



## **ST. JOSEPH'S COLLEGE (AUTONOMOUS)**

Post Box No 27094, 36 Lalbagh Road  
Bengaluru 560027

Recognised as 'College for Excellence' by UGC  
DBT – STAR & DST – FIST Sponsored College

### **SELF STUDY REPORT**

**2012-2016**

(For the Fourth Cycle of Institutional Accreditation)

Submitted to

**National Assessment and Accreditation Council**

Bengaluru

## PREFACE

We have turned over yet another leaf in the élan vital of St Joseph's College (Autonomous) - a fourth cycle of grace-filled attainment. When we catch the glimpse of our young and energetic students effervescent with the elixir of life settling their ways across the far ends of this wide earth, deep within our hearts we feel a sense of fulfillment, contentment and tranquility.

Ever since its inception in 1882, this great temple of learning has always been striving constantly to reach greater heights of excellence and glory in tune with the motto of the Jesuit Order *Ad Majorem Dei Gloriam*, i.e. **For the greater glory of God** cum the College motto *Fide et Labore*, i.e. Faith and Toil.

The purpose of our education at St Joseph's is the 'overall development of the human personality' that every student who passes through the portals of this College, learns to attain fullness through *metanoia*, i.e. school of the heart, not to be educated by mere information but capable of doing new things, creating a new world and showing plethora of concern for the needy of our nation thus to make him/her a better citizen of the city of God and the city of man, by inculcating in him/her 3H's and 5 C's. The 3 H's are:

**Head** - which includes deep intellectual pursuit;

**Heart** - the affective or the '*agapeic*' dimension. That is, the sacrificial love;

**Hands** - service of God realized in and through the service of men and women, especially including the excluded, i.e. the last, the least and the lost who are on the margins of society. And the 5 C's are:

**Competence, Conscience, Compassion, Creativity and Commitment.**

The goal of our education is the integral formation of our students helping them to become men and women for others with others. By striving for excellence in learning, creative and practical thinking, and co-operative leadership, we stress both academic excellence and human excellence, inspired by genuine religious and moral values, and with a practical awareness of the prevailing social conditions with commitment to the cause of justice.

Thus a Josephite lives with a commitment for justice, acts from a strong self-concept, thinks critically and creatively, communicates effectively, exercises power appropriately, cultivates a positive sense of direction and evokes hope.

Our aim here at St Joseph's is:

***To dream the impossible dream,  
To reach the unreachable star***

A blind man asked Swami Vivekananda, "Can there be anything worse than losing eyesight?" Swami Vivekananda replied, "Yes, losing your VISION." St Joseph's College (Autonomous) is the corpus of a vision incarnate. For, it invokes alchemy of a great vision. Moreover, it also instills vision into generations of scholars who tread through its sacred portals invigorating life and spirit into their mortal selves. Yes, the vision that St Joseph's imbues in its stakeholders is as high as the farthest skies, as profound as the deepest oceans and as wide as the endless universe, thus inspires to widen one's horizons, deepen one's faith and broaden one's perception. Henry David Thoreau once said, "I would give all the wealth of the world, and all the deeds of all the heroes, for one true vision." Yes, St Joseph's is born with and lives for such a great VISION...

My heart goes out to thank God and the members of the staff for making our students 'Truly Josephites' in heart, mind and spirit... nay, to the marrow.

I congratulate Dr Subhashini Muthukrishnan, the Coordinator of IQAC and her dexterous team consisting of Dr Arul Mani, Dr Arun Varma Tampan, Dr Ronald Mascarenhas, Dr Berin Lukas, Dr Syed Wajeed, and Mr Madappa who anchored the different criteria along with the expertise cum finesse of Dr Michael Rajamathi, Dr Etienne Rassendren, support of Ms Jayathi Bhadra, many more members of the faculty and our alumni who sojourned along this arduous journey of documenting this memoir of the College.

Dr. Fr. Victor Lobo, SJ.,  
Principal

## Table of Contents

<b>Title</b>	<b>Page No.</b>
Executive Summary	1-6
SWOC ANALYSIS	7-10
Timeline of the College	11
Profile of the College	12-19
Criterion I: Curricular Aspects	20-26
Criterion II: Teaching-Learning and Evaluation	22-75
Criterion III: Research, Consultancy, and Extension	76-79
Criterion IV: Infrastructure and Learning Resources	100-121
Criterion V: Student Support and Progression	121-144
Criterion VI: Governance, Leadership, and Management	145-166
Criterion VII: Innovations and Best Practices	167-180
Evaluative Reports of the Departments	181-325
Post Accreditation Initiatives	324-328
Annexures	229-243

## EXECUTIVE SUMMARY

St. Joseph's College, Bangalore is one of the premiere institutions of higher education in India. Established in the year 1882 by the Fathers of the Paris Foreign Mission, and then handed over to the Society of Jesus in 1937 through the Diocese of Mysore, the college works towards striving for a just, secular, democratic, and economically equitable society that cares for the poor, the oppressed, and the marginalized through the formation of men and women who are agents of change in modern society.

**College motto:** "Faith and Toil"

**Vision:** to prepare men and women for the service of their fellow-citizens, especially the poor and the oppressed.

**Mission statement:** "St. Joseph's College, seeks to create men and women who will be agents of change, committed to the creation of a society that is just, secular and democratic. The education we offer is therefore, oriented towards enabling our students to strive for both academic and human excellence. The college pursues academic excellence by providing a learning environment that constantly challenges the students and supports the ethic of intellectual curiosity and ceaseless enquiry. We promote human excellence through courses and activities that help students achieve personal integrity and consensitize them to injustice prevalent in society".

### Criterion I: Curricular Aspects

Academic autonomy granted to the college in 2005 by the Bangalore University has enabled the establishment and operation of an academic system that best implements the vision and mission statement of the college. The college motto, "Faith and Toil", encapsulates the institutional vision of creating men and women who are prepared to work in service of their fellow citizens, especially the poor and the oppressed. The academic programs of the college are strongly influenced and created through the lens of this institutional vision.

The development of syllabi for different academic programs in the college is undertaken through a robust Board of Studies that keeps in focus the larger issues while paying attention to minute details. Syllabi are further enhanced through the inclusion of ideas arising out of informal discussions with students and other stakeholders. The inclusion of eminent personages from research institutions, industry and corporations, and department alumni in the Board of Studies ensures that syllabi are pertinent and relevant to the needs of modern society.

St Joseph's College offers a wide range of undergraduate and postgraduate courses, some of which have traditions rooted deep in the history of the college and others which have dynamically evolved and come into existence as a part of the evolving nature of modern society. 18 undergraduate courses, 11 post graduate courses, three professional courses, and two vocational courses are offered by the college which are diversified over several relevant and pertinent fields of knowledge.

In the past four years, following demand trends among students, the College has introduced several new courses including two B.A programs: English, Journalism, and Psychology; Communicative English, Political Science, and Economics and a B.Com regular and B.Com –BPS(TCS) industry integrated. Two vocational courses: Visual Media & Film Making and Digital Media & Animation have also been introduced at the undergraduate level. At the postgraduate level, two courses have been introduced, including an MSc Mathematics, and an M.Sc. course in Big Data Analytics which has been introduced in collaboration with Tata Consultancy Services. Choice based credit courses have also been introduced from this academic year.

An atmosphere of challenge and stimulation is maintained in all academic, co-curricular, and extracurricular activities of the college to ensure that students are well prepared to meet and withstand the variety of challenges that they will inevitably find in the spheres of life and work.

### **Criterion II: Teaching-Learning and Evaluation**

The College follows an admission policy that includes a preferential option for the poor and marginalized sections of society. While initially instituted for the education of young Catholic men, today the College admits and encourages the education of men and women from all backgrounds. Applications are received and accepted today from a diverse student body spanning several socio-ethnic and religious backgrounds from across India as well as from several other countries including Afghanistan, Bhutan, Cote d'Ivoire, and Sri Lanka.

A carefully planned and monitored admission process ensures transparency and equitable opportunity to all applicants. Admission decisions are made by a specially constituted committee, based on the College's status as a Christian minority institution, and adhere strictly to the Reservation Policy of the Government of India.

The academic calendar is planned well in advance, and is outlined in a detailed fashion in the College Calendar. Lectures are primarily adopted as a method of promoting interest in learning among students. In addition, curricula of the Natural and Physical sciences include experimental learning as an important tool, while those of the Social Sciences utilize discussions in the classroom and in groups, presentations, quizzes, report writing, case studies, and management games in their teaching-learning process. The curricula aim at both sharpening the students' understanding of subjects as well as improving their grasp of how their subjects interface with the real world.

The College has adopted technology prominently in its teaching-learning process in recent years, equipping several classrooms with projectors, providing students with access to academic resources through the *Inflibnet*, through the inclusion of software based learning in many syllabi, and through the recognition of MOOC for awarding credits. Some of the innovations seen in recent years include the use of case studies, field work, data based research, review of literature, screening movies and documentaries in the social sciences, practical examinations in statistical software in the post-graduate economics program, Physics program uses online Learning Management System MOODLE in two lab courses, and Virtual Lab Experimentation by the Biotechnology department and many more.

The mix of staff from different regions of the country brings diversity to the quality of life on campus. A large number of them are PhD holders and several newer members are currently pursuing PhD programs as well. Teachers are encouraged to enhance their knowledge through attending seminars, conferences and workshops.

The evaluation system is transparent, fair and works as planned. The Controller of Examinations ensures that the examination system follows a clearly outlined process, which helps students and faculty to plan their academic schedules effectively. Flexibility and diversity in the evaluation schemes are encouraged by the College to cater to the different needs of students. Following the suggestions made by the Bangalore University, a 30-70 weightage scheme is being implemented between marks awarded in internal assessment and end semester examinations.

### **Criterion III: Research, Consultancy, and Extension**

One of the hallmarks of the vision and mission of St. Joseph's College is to serve the community through research and extension activities. These activities are seen by the

college as important catalysts for creating change agents out of its students. In this light, research is actively promoted and encouraged in all spheres of college life. The BJES has, as a policy initiative, earmarked Rs 50 Lakh for the promotion and research in the college, particularly through seed grants to faculty submitting research proposals. Additional support from the college towards research includes the reimbursement of travel and registration expenses for staff attending conferences and workshops, availability of leave for faculty, and infrastructural support in terms of electricity, water, office space, and internet to researchers.

Twelve research projects were completed by faculty of the college in the years 2012-16, and four departments (Botany, Chemistry, English and Physics) are recognized by Bangalore university for research. Grants for 39 research projects was received by the College during this study period, out of which 22 (7 major and 15 minor) are ongoing, and 17 (4 major and 13 minor) have been completed.

High quality equipment is available with the college laboratories of several departments, including Botany, Biotechnology, Chemistry, and Physics, and aid faculty in conducting high value experiments in their various fields.

The promotion of a culture of research among students can actively be observed in the college as well. In addition to syllabus-based learning, students are always encouraged to undertake research projects formed out of their own observations and questions. All undergraduate students are required to submit a term paper in any field of their interest that provides them with an exposure to the world of research. Students of postgraduate courses have to submit a rigorous thesis that represents a robust work of research that they have undertaken, and are also provided syllabus-based classes on research methodology in order to aid them in their research. Internships are encouraged at the undergraduate level and allow students to earn credits. Some postgraduate programs include internships as a necessary part of their curriculum .

The College also encourages its faculty to provide consultancy services to other agencies and organizations. Funds received through such activities are utilized for college development, and at times even re-injected into the department to help in funding that faculty's research.

In addition to research and consultancy, the College places importance on extension activities and social outreach programs for its students and staff. Sensitization programs are conducted for all new entrants to the college at the time of joining, and a plethora of extension activities are planned and conducted through the year by the Josephs cout reach centre, NSS, NCC, MSW courses ensure that students are constantly kept in touch with the ground realities of the society in which they live. The outreach program, has been made compulsory for all students of the college since two years, and post graduate students spend five days in villages. Undergraduate students visit several city-based social service organizations, serve at traffic signals, teach in government run schools, carry out environment conscious projects and participate in rallies and protests marches . They learn several individual and social skills by participating in the programs and form attitudes that are necessary to carry out the college mission and vision.

#### **Criterion IV: Infrastructure and Learning Resources**

St. Joseph's College is located at Langford Road on a 8.4 acres campus which houses several classrooms, well-furnished laboratories and libraries, auditoriums and seminar halls, administrative blocks, and residential facilities. Recent developments include newly completed and ongoing constructions of classrooms, laboratories, studios, an auditorium complex, and extensions to the library among several others. As a part of its drive to develop into a University, construction is underway in the College for a Multi Activity

Center and a new Building with 6925 m<sup>2</sup> of floor area, which will house a new state of the art library, spacious classrooms, research laboratories, staff rooms, administrative offices, and a reading room.

18 undergraduate and 11 postgraduate courses are laboratory based, and are equipped with state-of-the-art laboratories with modern, high quality, and well maintained equipment to meet the learning needs of students and research needs of faculty.

The encouragement of holistic development in students is echoed in the infrastructural facilities provided by the college, which include several sports and cultural facilities that boast a wide range of activities to offer students during their time in College. The Library has been constantly engaged as an important learning resource for students, and provides and OPAC facility and INFLIBNET access for students. With over 79,000 books and a budget of over six lakhs a year (increased to over twelve lakhs in recent years) for new additions, the knowledge base of the library is increasing rapidly and meaningfully through staff and student inputs. 83 computers with competent hardware is made available to all students in the library for access to online learning resources. The campus is equipped with optical fiber internet distributed over several Wi-Fi networks throughout the College for use by students.

ICT has been increasingly recognized and utilized as a key tool in effective education. 63 ICT-enabled classrooms are present in the College, and presentations and usage of these facilities are actively encouraged as a part of the curriculum.

Technology is also being leveraged in order to assist differently abled students of the College, especially during examinations and in the library through the use of assistive software. All blocks have wheelchair ramps and elevators that allow easier access.

### **Criterion V: Student Support and Progression**

The College has instituted a strong culture of mentoring and student support to help in the holistic development of students. Class mentors keep track of students' academic, co-curricular, and extracurricular performance as well as their regularity and punctuality. Mentors also provide pertinent information to new students of the College regarding the facilities and functioning of the institution. They are a link between department heads, welfare officers, administrative departments and assist in student out reach programs.

Students have several opportunities to participate in lectures and workshops, both in their own field of study and in others. A total of 80 workshops and seminars were conducted in the College during the years 2012-16.

The College management provides a number of scholarships to students from marginalized and deprived backgrounds. In 2012-13, the total number of management scholarships was Rs 7 lakh which has increased to over Rs 19 lakh by 2015-16. Students also receive financial assistance from several other agencies and organizations. These scholarships amounted to over Rs 5 lakh in 2015-16. The International Students Service, established in 2014 in collaboration with the Indian Council of Cultural Relations seeks to attract more foreign students to the college and provides them with a base for information and support.

Support services for the differently abled are also implemented in several areas of the college. Examinations and library access allow for software and hardware that can be utilized by them. Question papers are modified in order to meet the needs of such students and additional assistance in the form of Spoken English and other skill development courses such as computer literacy are conducted for students who have need of the same. A midday meal scheme for students from economically deprived backgrounds is also implemented in the College. Several grievance cells operate in the college to redress grievances relating to sexual harassment, examinations, and ragging.

To allow for smooth and meaningful student progression, the college has a functioning Placement Cell that invites participation from all students, and provides them exposure to potential employers. It acts as an interface between students and the world of work, organizing interviews, placement talks, mock aptitude tests, and equipping students with the skills required for employment. A registered Alumni association allows the College to stay in touch with graduates, who are placed in reputable organizations and institutions the world over. In the field of education, it is generally observed that half of the College's graduates move on to postgraduate courses. 5% of postgraduates pursue M.Phil. courses, while 3-4% enroll in PhD programs.

### **Criterion VI: Governance, Leadership, and Management**

St. Joseph's College is an institution under the Bangalore Jesuit Educational Society, and has a governing body. The Principal is nominated by the society as the head of the institution, and oversees its operations through a well-structured, consultative, and hierarchical administrative system.

Regular and mandatory training programs conducted in collaboration with experts for the staff as well as the management at all levels ensures that the College administration remains competent and able to meet the demands and challenges of running a large academic institution.

A system of decision making bodies is established to oversee the working of different facets of the institution, and to promote development in all areas. These committees are present at all levels of the College hierarchy, from the students to the management. Departmental autonomy grants departments freedom in curriculum design, mentoring, career guidance, and event organization. Several other important decision making and statutory bodies prominently include staff, and even students where required, so as to ensure that decisions reflect the requirements of the College. In this way, the College has adopted a system of consultative leadership that seeks and implements inputs from all its stakeholders so as to reinforce and ensure the culture of excellence. A feedback mechanism is also in place to gather inputs from teaching and non-teaching staff, parents, and alumni on its functioning.

In order to ensure that quality standards in higher education are met, in 2010 the College established the Internal Quality Assurance Cell. The policy of the College in this regard is to provide "inclusive quality higher education with shared responsibility of all stakeholders". Academic Audits are conducted by HODs of departments through the use of Work Done diaries, and through Staff Council Meetings. The Academic Council regularly reviews the teaching-learning process in the College, and consists of several key members of the management and faculty. A documentation center in the College enables complete documentation of all activities carried out, and helps to further reinforce the culture of quality and excellence promoted.

For the present (4th) cycle of NAAC accreditation conducted by the College, the IQAC has conducted an extensive feedback survey from all stakeholders, as well as a gender audit. While the College was reported to be of high quality in almost all aspects, some key areas of possible improvement were identified. The responses received from this survey are to help the College significantly improve its quality standards in the coming years.

### **Criterion VII: Innovation and Best Practices**

Several innovations have been implemented on campus these last four years. Many have been with respect to greater sensitivity for the environment, ensuring "greener" practices on campus including the installation and use of solar energy to meet College's energy



requirements. A sizeable array installed over the science block allows for the generation of 425 KWh of energy at peak operating capacity, and is estimated to have reduced emissions by as much as 7600kg of CO<sub>2</sub> every month.

The College contributes 1500 kg of waste paper for recycling, saving an estimated 33 trees, 39 kilo liters of water, and 1.7 cubic meters of landfill space by collaborating with ITC. While all used answer scripts are sent to Environment & Recycling Solutions, India, unused portions of answer scripts are detached, bound, and provided to children in orphanages. The College's offices also now use waste paper from one-sided photocopying for printing. The College has the infrastructure for rain water harvesting. Solid waste management system is in operation, with segregation of paper and plastic waste along with vermi-composting of wet waste.

The Josephite Outreach Program, named 'BEMBALA', has been introduced in 2014, and aims to create an interface between students of the college and deprived groups and vulnerable sections of society. Through visits to local agencies and rural camps, the College intends to create a learning process for faculty and students that exposes them to community needs, problems, and issues. Activities that have been undertaken include providing education to children in government schools and orphanages, visits to charitable institutions, conducting traffic awareness programs, rural exposure camps, cleanliness drives, classes for the children of gravediggers, and spreading awareness of the harmful effects of plastic.

With a view to promote interdisciplinary research, the Josephite Research Forum has been established which conducts bi-monthly research based discussions among students and staff members. A DBT-star grant allocation is made to fund small scale research projects by students.

Career guidance facilities have been made available to students. In addition to career counselling, workshops on knowledge & skill development for competitive examinations, basic managerial skills, and resume writing are organized.

On the Information Technology front, state of the art software for attendance and examination management has been adopted by the College, allowing error free attendance and marks entry. Examination booklets are bar coded to allow easier and anonymous valuation. Several digital management tools are now employed in the library as well, including the Gallelio Digital Learning Center, EPAC bibliography software. Anti plagiarism software has also been procured by the college. The admissions process has now been made completely digital, and students who do not have access to online resources are provided with registration facilities in the College. Three students have developed a mobile application to share information regarding various events and activities with users.

Best practices implemented by the College include a decentralization of the decision making system. A counsellor has been employed by the College to assist students in academic and personal challenges as well as deeply private disturbances they encounter. The attendance management system of the College is now made available online, with portals for student logins. Student parents/guardians are sent text messages regarding the absence periods of their wards.

There is an active output of high quality research from the College, with 61 SCI indexed, 108 ISSN, 39 ISBN publications and 20 proceeding, totaling 228 publications. MoUs have been signed with three foreign universities and guest facilities for visiting faculty have been provided.

## SWOC ANALYSIS

St. Joseph's College has always practiced a policy of introspection and is eager to maximize

its strengths, recognize new opportunities and capitalize on them, understand weaknesses and work to overcome them as well as perceive the challenges and take necessary creative actions to transcend them

### III cycle NAAC peer team visit

The NAAC peer team visit during the third cycle had granted 3.73/4 with an A grade. The NAAC peer team had identified the following as the strength of the college:

Dedicated team of faculty and management

Societal good will and positive brand image

Catering to the educational needs of marginalized and middle class society

Pro-quality culture with proper infrastructure

Academic collaborations with national/international institutions

### Post accreditation III cycle

While college continues to enjoy these strengths, it has also become aware of newer strengths it enjoys, newer areas of weaknesses that concerns the college, emergence of fresh opportunities and newer challenges it faces.

The college has adopted the use of the SWOC as a tool for continuous quality improvement. A detailed SWOC analysis was carried on in 2013-14 and thereafter at the beginning of every academic year all departments deliberate on the departments' functioning and conduct a SWOC analysis. This has been a fruitful exercise as all departments have been able to plan ahead their course of action. The college is ready for its fourth cycle accreditation and the following is the consolidated SWOC analysis of the institution in its current state presented criteria wise.

### CRITERIA I: CURRICULUM DEVELOPMENT

STRENGTH	WEAKNESS	OPPORTUNITY	CHALLENGES
<ul style="list-style-type: none"> <li>Has a well-defined vision and mission statement for guidance in all activities on campus</li> </ul>	<ul style="list-style-type: none"> <li>Sometime difficult to balance academic excellence with academically weaker students admitted.</li> </ul>	<ul style="list-style-type: none"> <li>To serve the marginalized, the weaker section and form change agents for a just secular society</li> </ul>	<ul style="list-style-type: none"> <li>To bring the academically weaker students to main stream</li> </ul>
<ul style="list-style-type: none"> <li>Faculty has the capability to develop innovative and relevant curriculum to match emerging needs</li> </ul>	<ul style="list-style-type: none"> <li>Younger faculty yet to be trained in syllabus preparation</li> </ul>	<ul style="list-style-type: none"> <li>To provide training to younger faculty in syllabus framing</li> </ul>	<ul style="list-style-type: none"> <li>Challenge of creating syllabi for new departments and courses</li> </ul>
<ul style="list-style-type: none"> <li>Could initiate, create and administer syllabi for 52 Choice-based Credit courses</li> </ul>	<ul style="list-style-type: none"> <li>Fitting it into the triple major system of Bangalore university</li> </ul>	<ul style="list-style-type: none"> <li>Offer a more flexible CBCS with more optional courses instead of one as of now</li> </ul>	<ul style="list-style-type: none"> <li>Logistic challenges of infrastructure</li> </ul>
Successfully introduced two industry integrated course	Getting trained faculty for the post graduate courses	To develop more industry integrated courses	Fear of attrition of trained faculty
<ul style="list-style-type: none"> <li>Offers several certificate courses</li> </ul>	<ul style="list-style-type: none"> <li>Not advertised adequately</li> </ul>	<ul style="list-style-type: none"> <li>To offer diploma courses</li> </ul>	<ul style="list-style-type: none"> <li>Competition from market</li> </ul>

## CRITERIA II: TEACHING LEARNING EVALUATION

STRENGTH	WEAKNESS	OPPORTUNITY	CHALLENGE
<ul style="list-style-type: none"> <li>• Student diversity in terms of region, social class and caste and knowledge level</li> </ul>	<ul style="list-style-type: none"> <li>• Many of them are academically weak and find difficulty in coping up with the courses</li> </ul>	<ul style="list-style-type: none"> <li>• To serve students from diverse background specially from the marginalized sections</li> </ul>	<ul style="list-style-type: none"> <li>• To reduce dropout rates and increase the pass percentage</li> </ul>
<ul style="list-style-type: none"> <li>• Increased admission numbers</li> </ul>	<ul style="list-style-type: none"> <li>• Large classes become unwieldy</li> </ul>	<ul style="list-style-type: none"> <li>• To divide them into more sections</li> </ul>	<ul style="list-style-type: none"> <li>• Giving personalized attention</li> </ul>
<ul style="list-style-type: none"> <li>• Departments enjoy autonomy enabling them to introduce innovative courses and learning processes</li> </ul>	<ul style="list-style-type: none"> <li>• Time required for balancing new courses with required resources</li> </ul>	<ul style="list-style-type: none"> <li>• Provides teachers with opportunities to exercise creativity and make course relevant to the needs of society</li> </ul>	<ul style="list-style-type: none"> <li>• Finding external resource persons to set question papers and carryout valuation.</li> </ul>
<ul style="list-style-type: none"> <li>• Capability of using ICT for traditionally non computer using courses based like social science and English</li> </ul>	<ul style="list-style-type: none"> <li>• Time available for all students to use ICT in class</li> </ul>	<ul style="list-style-type: none"> <li>• To help students acquire employable computer based skills</li> </ul>	<ul style="list-style-type: none"> <li>• Increased dependence on ICT can reduce personalized teaching</li> </ul>
<ul style="list-style-type: none"> <li>• Introducing practical component in non practical oriented social sciences and English courses</li> </ul>	<ul style="list-style-type: none"> <li>• Time required to give individual attention</li> </ul>	<ul style="list-style-type: none"> <li>• To teach several industry oriented skills</li> </ul>	<ul style="list-style-type: none"> <li>• Faculty to acquire industry friendly skills</li> </ul>
<ul style="list-style-type: none"> <li>• Teachers attending various workshops/ seminars / conferences</li> </ul>	<ul style="list-style-type: none"> <li>• Constraints on time to attend them due to missing classes</li> </ul>	<ul style="list-style-type: none"> <li>• To gain knowledge and keep up to date in subjects</li> </ul>	<ul style="list-style-type: none"> <li>• To balance this with required number of classes</li> </ul>
<ul style="list-style-type: none"> <li>• Compulsory internship for some PG, and Commerce courses</li> </ul>	<ul style="list-style-type: none"> <li>• Weak in getting the right kind of internships</li> </ul>	<ul style="list-style-type: none"> <li>• Net work with industry and learn industry specific skills</li> </ul>	<ul style="list-style-type: none"> <li>• Difficulty in getting good internships opportunities</li> </ul>
<ul style="list-style-type: none"> <li>• Several changes have been introduced in the evaluation system</li> </ul>	<ul style="list-style-type: none"> <li>• Takes time to adjust to the changes</li> </ul>	<ul style="list-style-type: none"> <li>• Ability to adapt to changing needs of testing and evaluation</li> </ul>	<ul style="list-style-type: none"> <li>• To put these changes into practice</li> </ul>
<ul style="list-style-type: none"> <li>• BOE meetings held before examinations</li> </ul>	<ul style="list-style-type: none"> <li>• Time consuming process</li> </ul>	<ul style="list-style-type: none"> <li>• To make error free question papers</li> </ul>	<ul style="list-style-type: none"> <li>• To make desired corrections in given time</li> </ul>
<ul style="list-style-type: none"> <li>• Regular BOS of depts.</li> </ul>	<ul style="list-style-type: none"> <li>• Sometimes contribution from external not as expected</li> </ul>	<ul style="list-style-type: none"> <li>• Receive support from other institutions</li> </ul>	<ul style="list-style-type: none"> <li>• To get the right resource persons</li> </ul>
<ul style="list-style-type: none"> <li>• Qualified, experienced faculty</li> </ul>	<ul style="list-style-type: none"> <li>• Retirement of several aided staff</li> </ul>	<ul style="list-style-type: none"> <li>• To recruit and train staff</li> </ul>	<ul style="list-style-type: none"> <li>• Getting qualified staff and retain them</li> </ul>

### CRITERIA III: RESEARCH, CONSULTANCY AND EXTENSION

STRENGTH	WEAKNESS	OPPORTUNITY	CHALLENGES
<ul style="list-style-type: none"> <li>• Large number of research publications</li> </ul>	<ul style="list-style-type: none"> <li>• Small percentage of faculty involved in research</li> </ul>	<ul style="list-style-type: none"> <li>• To bring in more faculty, especially the younger faculty, into research.</li> </ul>	<ul style="list-style-type: none"> <li>• Training the younger faculty suitably.</li> </ul>
<ul style="list-style-type: none"> <li>• Large number externally funded projects</li> </ul>	<ul style="list-style-type: none"> <li>• Small percentage of faculty get external funding</li> </ul>	<ul style="list-style-type: none"> <li>• To increase the number of externally funded projects and to fund projects internally.</li> </ul>	<ul style="list-style-type: none"> <li>• Training the faculty to write successful grant applications.</li> </ul>
<ul style="list-style-type: none"> <li>• Corpus available for funding younger faculty for research projects from college</li> </ul>	<ul style="list-style-type: none"> <li>• Time constraints to carry out research</li> </ul>	<ul style="list-style-type: none"> <li>• To initiate young teachers into research for developing future researchers</li> </ul>	<ul style="list-style-type: none"> <li>• Balancing academic time and research time</li> </ul>
<ul style="list-style-type: none"> <li>• Regular outreach program built in to the curriculum</li> </ul>	<ul style="list-style-type: none"> <li>• Time constraints with academic demands and availability of faculty to accompany students on village visits</li> </ul>	<ul style="list-style-type: none"> <li>• Incorporating outreach learning into the core courses. Expertise based outreach activities.</li> </ul>	<ul style="list-style-type: none"> <li>• To increase collaboration with other institutions of higher learning with matching value framework</li> </ul>
<ul style="list-style-type: none"> <li>• Many faculties are invited as resource persons for national and international seminars / conferences</li> </ul>	<ul style="list-style-type: none"> <li>• Faculty expertise not utilized for resource generation</li> </ul>	<ul style="list-style-type: none"> <li>• To make college a referral centre for expertise in various disciplines</li> </ul>	<ul style="list-style-type: none"> <li>• To make the expertise known in industry circles</li> </ul>
<ul style="list-style-type: none"> <li>• Compulsory dissertation for all Arts and social sciences PG courses</li> </ul>	<ul style="list-style-type: none"> <li>• Lack of time and not easy to get external research guides</li> </ul>	<ul style="list-style-type: none"> <li>• To encourage students to pursue research and learn research skills for employability</li> </ul>	<ul style="list-style-type: none"> <li>• To maintain quality and to ascertain ethical practices.</li> </ul>

### CRITERIA IV: INFRASTRUCTURE AND LEARNING RESOURCES

STRENGTH	WEAKNESS	OPPORTUNITY	CHALLENGES
<ul style="list-style-type: none"> <li>• Acquisition of Knowledge pro for student database management</li> </ul>	<ul style="list-style-type: none"> <li>• Reduced personalized services</li> </ul>	<ul style="list-style-type: none"> <li>• Error free administration of student services</li> </ul>	<ul style="list-style-type: none"> <li>• Increased administrative work load for faculty</li> </ul>
<ul style="list-style-type: none"> <li>• Adequate number of labs and class rooms for current courses</li> </ul>	<ul style="list-style-type: none"> <li>• Shortage of labs/ class space for increasing CBCS</li> </ul>	<ul style="list-style-type: none"> <li>• Introduce shift system to use infrastructure more creatively</li> </ul>	<ul style="list-style-type: none"> <li>• Work force to adjust to measures such as shift system</li> </ul>
<ul style="list-style-type: none"> <li>• Increased student strength</li> </ul>	<ul style="list-style-type: none"> <li>• Lack of space availability for recreation/sports/games</li> </ul>	<ul style="list-style-type: none"> <li>• To construct sports complex and modern amenities</li> </ul>	<ul style="list-style-type: none"> <li>• The inconveniences faced during construction work</li> </ul>

<ul style="list-style-type: none"> <li>• Good book collection in library</li> </ul>	<ul style="list-style-type: none"> <li>• Library space inadequate for expansion</li> <li>• and personalized attention un available</li> </ul>	<ul style="list-style-type: none"> <li>• To improve Library infrastructure.</li> </ul>	<ul style="list-style-type: none"> <li>• Motivating students to use books on a regular basis</li> </ul>
<ul style="list-style-type: none"> <li>• E Resources in library</li> </ul>	<ul style="list-style-type: none"> <li>• Library space inadequate for placing many computers</li> </ul>	<ul style="list-style-type: none"> <li>• To give assignments based on e resources</li> </ul>	<ul style="list-style-type: none"> <li>• To overcome the problem posed by plagiarism</li> </ul>

### CRITERION V: STUDENT SUPPORT AND PROGRESSION

STRENGTH	WEAKNESS	OPPORTUNITY	CHALLENGES
<ul style="list-style-type: none"> <li>• Mentoring and counseling services</li> </ul>	<ul style="list-style-type: none"> <li>• Large number of students</li> </ul>	<ul style="list-style-type: none"> <li>• To address individual academic need</li> </ul>	<ul style="list-style-type: none"> <li>• Time available for class mentors</li> </ul>
<ul style="list-style-type: none"> <li>• Healthy student teacher relation</li> </ul>	<ul style="list-style-type: none"> <li>• Large number of students</li> </ul>	<ul style="list-style-type: none"> <li>• Building healthy relationships</li> </ul>	<ul style="list-style-type: none"> <li>• Finding staff and time to engage students at a personal level</li> </ul>
<ul style="list-style-type: none"> <li>• Dialogue with students</li> </ul>	<ul style="list-style-type: none"> <li>• Not formalised for institutional growth</li> </ul>	<ul style="list-style-type: none"> <li>• Involve more students in this effort</li> </ul>	<ul style="list-style-type: none"> <li>• To train faculty</li> </ul>
<ul style="list-style-type: none"> <li>• Large number of student</li> </ul>	<ul style="list-style-type: none"> <li>• Takes time</li> </ul>	<ul style="list-style-type: none"> <li>• Provides holistic education</li> </ul>	<ul style="list-style-type: none"> <li>• Space as an constraint for all activities</li> </ul>
<ul style="list-style-type: none"> <li>• Functional placement cell</li> </ul>	<ul style="list-style-type: none"> <li>• Registration by students is low</li> </ul>	<ul style="list-style-type: none"> <li>• To motivate them to apply</li> </ul>	<ul style="list-style-type: none"> <li>• Getting students to apply for placements</li> </ul>

### CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT

STRENGTH	WEAKNESS	OPPORTUNITY	CHALLENGE
<ul style="list-style-type: none"> <li>• Decentralized academic and administrative leadership</li> </ul>	<ul style="list-style-type: none"> <li>• Sometimes not progressive decisions are made</li> </ul>	<ul style="list-style-type: none"> <li>• Possibility of quick and less bureaucratic decision making</li> </ul>	<ul style="list-style-type: none"> <li>• Younger faculty may not be a part of decision making</li> </ul>

### CRITERIA VII: INNOVATION AND BEST PRACTICES

STRENGTH	WEAKNESS	OPPORTUNITY	CHALLENGE
<ul style="list-style-type: none"> <li>• Josephite research forum for staff and students</li> </ul>	<ul style="list-style-type: none"> <li>• Only few students participate</li> </ul>	<ul style="list-style-type: none"> <li>• To broaden the base of students and staff participation</li> </ul>	<ul style="list-style-type: none"> <li>• To invite more people to undertake research despite other compulsions</li> </ul>
<ul style="list-style-type: none"> <li>• Josephs research committee</li> </ul>	<ul style="list-style-type: none"> <li>• Initial stages</li> </ul>	<ul style="list-style-type: none"> <li>• To making policies for nurturing research</li> </ul>	<ul style="list-style-type: none"> <li>• Establishing itself as a nodal centre to promote research among younger staff</li> </ul>
<ul style="list-style-type: none"> <li>• Josephs outreach centre</li> </ul>	<ul style="list-style-type: none"> <li>• Scheduling class along with outreach work</li> </ul>	<ul style="list-style-type: none"> <li>• To integrate the outreach work with regular academics</li> </ul>	<ul style="list-style-type: none"> <li>• To motivate staff to accompany students on outreach work</li> </ul>
<ul style="list-style-type: none"> <li>• Well functioning Mentoring system</li> </ul>	<ul style="list-style-type: none"> <li>• Additional time required</li> </ul>	<ul style="list-style-type: none"> <li>• To journey with the same batch of students till their final year</li> </ul>	<ul style="list-style-type: none"> <li>• provide counseling and mentoring skills to mentors</li> </ul>

### Timeline of the College

St. Joseph's college, autonomous, Bangalore, established in 1882 is run by the Jesuits through a registered body, the Bangalore Jesuit educational society. The Jesuits are a catholic male religious order founded in 1534 by St. Ignatius of Loyola. They work in 112 nations spread through six continents. The Jesuits mainly administer educational institutions and promote and support social Justice. St. Joseph's college, Bangalore, is one of them fulfilling this motto of combining academic excellence with human excellence.

YEAR	EVENT	OUTCOME
1882	Founded by Fathers of the French Foreign Mission.	Affiliated to University Of Madras as a 'Second Grade College.'
1925	Main building put up	350 students
1926	Run by Fathers of the French Foreign Mission.	University Of Madras granted status of a 'First Grade College'
1937	Fathers of the Paris Foreign Mission through the Diocese of Mysore	College was transferred to the Society Of Jesus
1949	Reorganization of the States	Affiliated to the University Of Mysore
1967	Establishment of Bangalore University	Granted permanent affiliation to Bangalore university
1972	Commerce Sections and Evening College Sections separated	Formation of commerce college and Evening College
1982	Centenary Year	His Excellency Dr. Neelam Sanjeeva Reddy, President of India.
1982	UGC Recognition (UGC Act 1956)	(i) 2(f) status (23/ 12 /1982)
1985	UGC Recognition (UGC Act 1956)	12(B) status(28/ 5/ 1985)
1999	NAAC Accredited Four Star level first cycle	Score (70-75%)(09/10/1999)
2002	Karnataka State Policy of Bifurcation	Formation of St. Joseph's PU College
2002	Shifted to the New buildings	#36 Lalbagh Road
2005	UGC	Granted Autonomous status
2006	NAAC Accredited 'A' level	(Score 85.3%)
2006	UGC	Accredited as 'College with Potential for Excellence (CPE)
2007	Celebrations of 125 years	chief guest Sri. Somanath Chatterjee
2009	UGC	Accredited as 'College with Potential for Excellence (CPE)
2009	Release of commemorative postal stamp	Indian postal stamp(1/08/2009
2010	UGC	Extension of Autonomous Status 2010-2011 to 2015-2016
2012	NAAC Accredited 'A' level	Score(3.73)
2014	UGC	Accredited as 'College for Excellence (CPE)
2015	DST	Status of DST-FIST college
2016	UGC	Extension of Autonomous Status 2016-2022

## Profile of the Institution

### 1. Name and Address of the College:

Name :	St Joseph's College(Autonomous)	
Address :	P.B. 27094, 36, Langford Road/Lalbagh Road	State : Karnataka
City : Bangalore	Pin :560027	
Website :	<a href="http://www.sjc.ac.in">www.sjc.ac.in</a>	

### 2. For communication :

Designation	Name	Contact details
Principal	Rev. Dr Victor Lobo, S.J.	O: 080-22272299, mob 9449268040 fax :080-22272299 <a href="mailto:principal@sjc.ac.in">principal@sjc.ac.in</a>
Vice Principal	Fr. Clarence D'souza	O: 080-22272299 <a href="mailto:clarencesj@gmail.com">clarencesj@gmail.com</a>
Steering Committee Co-ordinator	Dr. Subhashini Muthukrishnan	O:08022211429, mob: 9886712142 <a href="mailto:subhasjc@gmail.com">subhasjc@gmail.com</a> <a href="mailto:sjciqac14@gmail.com">sjciqac14@gmail.com</a>

### 3. Status of the Autonomous College by management.

- I. Government
- II. Private(Aided)
- III. Constituent College of the University

### 4. Name of University to which the College is Affiliated - Bangalore University

- 5. a. Date of establishment: 1882
- b. Date of grant of 'Autonomy' to the College by UGC: October 2005

### 6. Type of Institution:

#### a. By Gender

- i. For Men
- ii. For Women
- iii. Co-education

#### b. By Shift

- i. Regular
- i. Day
- ii. Evening

#### c. Source of funding

- i. Government
- ii. Grant-in-aid
- iii. Self-financing
- iv. Any other (Please specify)

### 7. It is a recognized minority institution?

YES

If yes specify the minority status (Religious/linguistic/ any other) and provide documentary evidence. Religious- Christian

8. a. Details of UGC recognition:

Under Section	Date, Month & Year
i. 2 (f)	23 / 12 / 1982
ii. 12 (B)	28 / 05 / 1985

(Enclose the Certificate of recognition u/s 2 (f) and 12 (B) of the UGC Act)

b. Details of recognition/approval by statutory/regulatory bodies other than UGC (AICTE, NCTE, MCI, DCI, PCI, RCI etc.)

Under Section/clause	Day, Month and Year	Validity	Programme/Institution	Remarks
NOT APPLICABLE				

9. Has the college recognized

By UGC as a College with Potential for Excellence (CPE)?  Yes  No  2004

For its contributions / performance by any other governmental agency?  Yes  No

10. Location of the campus and area :

Location *	Urban
Campus area in sq mts or acres	8.7 Acres
Built up area in sq. mts.	3622.3 sq mts

(\* Urban, Semi-urban, Rural, Tribal, Hilly Area, Any others specify)

11. Does the College have the following facilities on the campus (Tick the available facility)? In case the College has an agreement with other agencies in using such facilities provide information on the facilities covered under the agreement.

Auditorium/Seminar Complex	Yes
Sports Facilities	
○ Play ground:	Yes
○ Swimming pool:	No
○ Gymnasium:	No
Hostel	
○ Boys' Hostel:	Yes
○ Girls' Hostel:	No
Residential Facilities	
○ For teaching staff:	No
Cafeteria:	Yes
○ Health Center	
○ First-aid Facility:	Yes
○ Inpatient Facility:	No
○ Outpatient Facility:	No
○ Ambulance Facility:	No
○ Emergency Care Facility:	No
○ Health Center Staff:	



- Qualified Doctor: No
- Qualified Nurse: No
- Other Facilities
- Bank: No
- ATM: Yes
- Post Office: No
- Transport Facilities
- For students: Yes
- For staff: No
- Powerhouse: Yes
- Waste Management Facilities: Yes

**12. Details of programmes offered by the institution: (Give data for current academic year)**

SI No.	UG PG	Name of the programme/course	Duration	Entry Qualification	Medium Instruction	Sanction/ student intake	No. of students admitted
1.	UG	B.A. EPS	3	Plus Two	English	100	104
2.	UG	B.A. HEP	3	Plus Two	English	100	99
3.	UG	B.A. IES	3	Plus Two	English	100	104
4.	UG	B.A. EJP	3	Plus Two+ Entrance test +interview	English	60	59
5.	UG	B.A-CPE	3	Plus Two	English	100	52
6.	UG	B.Com	3	Plus Two	English	400	326
7.	UG	B.Com-Industry Integrated	3	Plus Two	English		83
8.	UG	BCA	3	Plus Two+ Entrance test +interview	English	66	66
9.	UG	BSW	3	Plus Two	English	40	43
10.	UG	BA Visual com	3	Plus Two+ Entrance test +interview	English	50	48
11.	UG	B.A Visual Media & Film Making	3	Plus Two+ Entrance test +interview	English	50	58
12.	UG	B.A Digital Media & Animation	3	Plus Two	English	50	50
13.	UG	B.Sc. CBBT	3	Plus Two	English	45	30
14.	UG	B.Sc. CZBT	3	Plus Two	English	45	50
15.	UG	B.Sc. CBZ	3	Plus Two	English	72	73
16.	UG	B.Sc. CEB	3	Plus Two	English	72	20
17.	UG	B.Sc. CEZ	3	Plus Two	English	72	20
18.	UG	B.Sc. MCB	3	Plus Two	English	72	19
19.	UG	B.Sc. MCZ	3	Plus Two	English	72	53
20.	UG	B.Sc. EMS	3	Plus Two	English	65	57
21.	UG	B.Sc. MEC	3	Plus Two	English	50	48

22.	UG	B.Sc. PCM	3	Plus Two	English	72	72
23.	UG	B.Sc. PEM	3	Plus Two	English	70	61
24.	UG	B.Sc. PMC	3	Plus Two	English	70	66
25.	PG	Botany	2	UG marks(40%)+Cognate subject in UG+Interview	English	30	32
26.	PG	Big Data Analytics	2	UG marks(40%)+Cognate subjects math &stats/ Comp.Sc. in UG +Interview	English	60	30
27.	PG	Chemistry	2	UG marks(40%)+Cognate subject in UG +Interview	English	30	25
28.	PG	Communication and Journalism	2	UG marks(40%)+Cognate subject in UG+Interview	English	30	32
29.	PG	Computer Science	2	UG marks(40%)+Cognate subject in UG+Interview	English	35	34
30.	PG	Economics	2	UG marks(40%)+Cognate subject in UG+ Entrance test +interview	English	30	30
31.	PG	English	2	UG marks(40%)+Cognate subject in UG	English	30	36
32.	PG	Microbiology	2	UG marks(40%)+Cognate subject in UG	English	30	31
33.	PG	MSW	2	UG marks(40%)+Cognate subject in UG	English	40	42
34.	PG	Mathematics	2	UG marks(40%)+Cognate subject in UG	English	40	30
35.	PG	Physics	2	UG marks(40%)+Cognate subject in UG	English	30	30
36.	PG	Political Science	2	UG marks(40%)+Cognate subject in UG	English	30	29
						Total	381

**13. Does the institution offer self-financed Programmes?**

Yes  No  If yes, how many? 24

**14. Whether new programmes have been introduced during the last five years?**

**YES**

If yes Number:10

15. List the departments: (Do not list facilities like library, Physical Education as departments unless these are teaching departments and offer programmes to students)

Particulars	Number	Number of Students
Science	Under Graduate	13
	Post Graduate	7
	Research centre(s)	2+1
Arts	Under Graduate	18
	Post Graduate	4
	Research centre(s)	1
Commerce	Under Graduate	1
	Post Graduate	0
	Research centre(s)	0
Any Other	Under Graduate	none
	Post Graduate	none
	Research centre(s)	NONE

16. Are there any UG and/or PG programmes offered by the College, which are not covered under Autonomous status of UGC? Give details: **NO**

17. Number of Programmes offered under (Programme means a degree course like BA, MA, BSc, MSc, B.Com etc.)

Annual System	00
Semester System	36
Trimester System	00

18. Number of Programmes with

Choice Based Credit System	All UG and PG courses
Inter/Multidisciplinary Approach	All- triple major
Any other ( specify )	00

19. Unit Cost of Education

(Unit cost = total annual recurring expenditure (actual) divided by total number of students enrolled )

(a) including the salary component	Rs. 25287
(b) excluding the salary component	Rs. 11881

20. Does the College have a department of Teacher Education offering NCTE recognized degree programmes in Education: **NO**

How many years of standing does the department have? ..... years

- a. NCTE recognition details (if applicable) Notification

No.: .....

Date: ..... (dd/mm/yyyy)

- b. Is the department opting for assessment and accreditation separately? **NO**

21. Does the College have a teaching department of Physical Education offering NCTE recognized degree programmes in Physical Education? **NO**

How many years of standing does the department have? ..... years

- a. NCTE recognition details (if applicable) Notification

No.: .....  
 Date: ..... (dd/mm/yyyy)

b. Is the department opting for assessment and accreditation separately?

22. Whether the College is offering professional programme?

Yes	√	NO	
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If yes, please enclose approval / recognition details issued by the statutory body governing the programme.(ENCLOSED)

23. Has the College been reviewed by any regulatory authority? If so, furnish a copy of the report and action taken there upon. YES

24. Number of teaching and non-teaching positions in the College

Positions	Teaching Faculty						Non-Teaching		Technical Staff	
	Prof		Asso Prof		Asst Prof		*M	*F	*M	*F
	*M	*F	*M	*F	*M	*F				
Sanctioned by the UGC/University/State Government Recruited Yet to Recruit	0	0	38	23	2	0	31	2		
Sanctioned by the Management/society or any other authorized Bodies Recruited Yet to Recruit	0	0	3	2	50	72	21	6	8	0

25. Qualifications of the Teaching Staff

Highest qualification	Professor		Associate professor		Assistant professor		Total
	Male	Female	Male	Female	Male	Female	
<b>Permanent teachers</b>							
D.Sc/D.Lit	None	None	None	None	None	None	
PhD	None	None	23	13	1	0	37
MPhil	None	None	9	5	1	0	15
PG	None	None	6	3	0	0	9
NET	None	0	0	0	0	0	0
SLET	None	None	3	0	0	0	61
<b>Temporary teachers</b>							
PhD	None	None	3	2	16	13	34
MPhil	None	None	1	0	2	17	20

PG	None	None	0	0	32	42	74
NET			1	1	11	19	32
SLET	None	None	0	1	8	7	16
<b>Part Time Teachers</b>							
PhD	None	None	0	0	0	0	0
MPhil	None	None	0	0	0	0	0
PG	None	None	0	0	5	4	9
NET	0	0	0	0	0	0	0
SLET	0	0	0	0	1	0	1
Total (excluding NET)	0	0	42	23	57	76	198

**26. Number of Visiting Faculty/Guest Faculty Engaged by the College: 9**

**27. Students enrolled in the College during the current academic year, with the following details:**

Students	UG		PG		Ph.D.
	M	F	M	F	M
From the state where the college is located	572	249	123	581	
From other states of India	395	261	102	159	
NRI Students	18	15	3	3	
Foreign Students	5	4	8	0	
Total	990	529	236	743	

\* M - Male \* F – Female

**28. Dropout rate in UG and PG (average for the last two batches)**

UG	20%	PG	10%
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**29. Number of working days during the last academic year: 240**

**30. Number of teaching days during the last academic year: 180**

**31. Is the College registered as a study center for offering distance education programmes for any University? NO**

**Is it recognized by the Distance Education Council?**

Yes  No

**c. Indicate the number of programmes offered. NONE**

**32. Provide Teacher-student ratio for each of the programme/course offered:**

Course	Student	Faculty	Course	Student	Faculty
HEP	60	1	CBZ	24	1
EPS	70	1	CEB	13	1

IES	70	1	CEZ	14	1
EJP	50	1	MCB	20	1
CPE	50	1	MCZ	26	1
PCM	65	1	CBBT	26	1
PEM	56	1	CZBT	21	1
PMC	50	1	BSW	45	1
MEC	50	1	BCA	50	1
EMS	32	1	BVC	35	1

**PG 10:1**

**33. Is the College applying for?**

Accreditation	Cycle 1	-	Cycle 2	-	Cycle 3	-	Cycle 4	√
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Re-Assessment: NO

**34. Date of accreditation\* (applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only)**

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 <sup>st</sup> Cycle	4 star	70-75%	1999	1999-05
2	2 <sup>nd</sup> Cycle	A	85.3%	2005	2005-10
3	3 <sup>rd</sup> Cycle	A	3.73/4	2012	2011-16
4	4 <sup>th</sup> Cycle				

**35. a. Date of establishment of Internal Quality Assurance Cell (IQAC)  
10th June 2010**

**b. Dates of submission of Annual Quality Assurance Reports (AQARs).**

AQAR 2011-12 submitted 6 September 2014  
 AQAR 2012-13 submitted 6 September 2014  
 AQAR 2013-14 submitted 6 September 2014  
 AQAR 2014 – 2015 submitted 3 November 2015  
 AQAR 2015 – 2016 submitted November 2016

**36. Any other relevant data, the College would like to include. (Not exceeding one page)**

## CRITERION I

### CURRICULAR ASPECTS

St. Joseph's College is a minority Roman Catholic institution run by the Bangalore Jesuit Educational Society. The institution was founded in 1882 and was eventually affiliated to Bangalore University. The college was granted academic autonomy concomitant with its affiliation to Bangalore University in the year 2005. These facts are important in terms of placing in context the special focus that various aspects of curriculum design and innovation receive in the institution.

#### 1.1. Curriculum Design and Development

As a Jesuit institution, the college values academic and human excellence equally and our focus on the curriculum derives much of its character from this goal. The institution is committed to using the valuable academic freedom granted under autonomy towards furthering this concern. This translates into a sustained engagement with developing a curriculum that offers the student a truly transformative experience.

##### 1.1.1 How are the institutional vision / mission reflected in the academic programs of the College?

- The institutional vision is an articulation of its motto, "Faith and Toil".
- The Vision of the college is to prepare men and women for the service of their fellow-citizens, especially the poor and the oppressed.
- This vision receives further elaboration in our Mission statement which reads, "St. Joseph's College, seeks to create men and women who will be agents of change, committed to the creation of a society that is just, secular and democratic. The education we offer is therefore, oriented towards enabling our students to strive for both academic and human excellence. The college pursues academic excellence by providing a learning environment that constantly challenges the students and supports the ethic of intellectual curiosity and ceaseless enquiry. We promote human excellence through courses and activities that help students achieve personal integrity and consensitize them to injustice prevalent in society".
- The Jesuit ideal of **cura personalis**, or *care of the whole person* drives the institution's initiatives. We do not see our students as automatons who must be outfitted to join a work-force but as whole individuals who will need to withstand a variety of challenges in life and work. Our academic programs focus on excellence in the form of a commitment to lifelong learning rather than through a focus limited to examination success. The college focuses equally on developing a sense of social concern among the students, through an active engagement with social causes at local, state and national levels.
- The college is committed to the idea of education as a preferential option for the poor and the marginalized and applies this idea rigorously in terms of student intake. The college is also committed to providing the academic and motivational support that students from the margins will require.
- This emphasis on student diversity ensures that each classroom is a cross-section of the republic and offers our students and teachers a substantive, continuing acquaintance with a variety of life experiences. Their education in the ideal of fraternity, which makes possible the other democratic ideals of liberty and equality, begins in the classroom. This engagement continues into formal, academic processes as well.

- The college's orientation programs, held every year, open discussions on the college's ideals. Our academic programs strive to go beyond a limited ethic of success through competition and focus instead on learning by doing, often calling on students to learn cooperation and team-work. Many of our programs feature a sustained rather than cosmetic focus on ethical practice. Learning does not stop at the classroom but takes concrete form in outreach and social engagement.
- Last, but not the least, St. Joseph's College strives to maintain a continuum of learning: the student is provided an atmosphere of challenge and stimulation that begins with the curriculum and extends into co-curricular learning and extra-curricular learning. This is reflected in the strong network of co-curricular and extra-curricular fora—50 in all—within the institution's departments.
- The Jesuit ideal of 'cura personalis' thus extends to character-formation of our students. The college provides opportunities to students for such a formation through self-discipline, hard work, perseverance, honesty, integrity and sensitivity to others. The Josephite formed thus, is capable of moving effectively past barriers of language, religion and caste into responsible citizenship.

### **1.1.2 Describe the mechanism used in the design and development of the curriculum? Give details on the process. (Need Assessment, Feedback, etc.)**

It is with the conferral of autonomy in 2005 that the college came into its own in terms of designing a sustainable curriculum.

- The initiatives begun then have, over the last eleven years, developed into well-honed mechanisms that promote critical self-examination and insight. We have thus a culture of conversation around our courses that draw on feedback from teachers, students, and their parents, alumni and industry representatives about course experiences and outcomes. These conversations also go a long way in driving the planning and commissioning of new courses. This endeavor is what makes the institution relevant and transformative to the times.
- Our departments are encouraged to pay equal attention to the framing of a syllabus as they are towards thinking actively about the curriculum. They enjoy freedom at the departmental level to develop and make changes at the departmental level. This encouragement takes the form of regular staff interactions at the beginning of each semester that allow us to look at the big picture while paying close attention to finer details.
- Departments are encouraged to reflect on the experiences of each semester, and out of this feedback from the teachers involved comes the basis for the annual Board of Studies meetings where the syllabus is formally examined in terms of teaching and testing, and in terms of broader concerns like relevance and equipping the student for a life in the academic discipline.
- There have been trend setter departments, that have set up alternative syllabi by reading the gap in the fields that they involved in.
- Need assessment- The increasing number of applications for a particular course in the college city or at the national level sets in motion the idea that there is a need to increase or provide the course in the college if the college can afford to provide it in terms of its infrastructural resources. This result in discussions at the departmental or at the college level and an assessment and feedback is collected to pursue it further. This is how new courses have been introduced in the college during the years.

The **informal** processes that our departments and faculty draw on are as follows:



- Experiential feedback from students, during and after each semester.
- Most of our departments draw on the expertise of faculty from other institutions for practical examinations and end-semester examinations. This allows for a regular, informal feedback mechanism.
- Feedback is collected from question paper setters and examiners about the quality relevance and stand of the syllabus.
- The COE also collects informal feedback from the external evaluators when they visit the college for evaluation.
- Several departments are able to draw on continuing feedback from alumni who have migrated to institutions of repute both in India and abroad.
- Faculty visits to other autonomous colleges as Board members also help in providing feedback about our curriculum college

The **formal** processes are as detailed below:

- Departments work on a draft syllabi that are discussed internally
- Most departments forward the draft syllabi to the BOS members for scrutiny prior to the actual date of the BOS meeting which helps the external members to contribute more effectively in the meetings.
- These syllabi are then formally presented at Boards of Studies meetings held annually. Each department constitutes such a Board comprising faculty, one Bangalore university nominee, alumni, invitees from industry and subject experts from other institutions of repute. This syllabus is discussed extensively, and suggestions are recorded, following which changes may be incorporated.
- Since the Board of Studies is an annual process, it also allows for fine-tuning and continuous improvement through regular reporting and discussion
- Once accepted, these syllabi are placed before an annual Academic Council, where the relationship between individual syllabi and the curriculum are carefully considered. The Academic Council comprises Heads of departments, representatives from the College administration and management, University nominees and legal experts. Following this scrutiny process, recommendations from the Academic Council are recorded and communicated back to departments even as syllabi are ratified.
- The College Governing Council meets annually to ratify resolutions passed by the Academic Council. The outcomes of the earlier discussions, suggestions and recommendations becomes a part of the deliberations. This helps in maintaining the connect between curricular aspects and institutional goals. With this meeting the college calendar for the coming academic year is passed.
- Following this the Finance Committee resolutions are passed for these ratifications to become actions.

### **1.1.3 How does the College involve industry, research bodies, and civil society in the curriculum design and development process? How did the College benefit through the involvement of the stakeholders?**

The long academic heritage and the resulting credibility of the institution allow it the luxury of drawing on the considerable expertise of both reputed academic and industrial experts and well-placed alumni in institutions of higher learning.

- Members of civil society are in close interaction with the college on subjects which require their expertise. This goes a long way towards helping the institution frame relevant and effective curricula.

- Professors from different universities, research institutions like Institute of Social and Economic Change, Indian Institute Of Management, National Law School of India University, Indian space research organization, National Institute of Advanced Studies (NIAS), Tata Institute of Fundamental Research (TIFR), Indian Institute of Science (IISc), National Centre for Biological Sciences (NCBS), Indian Institute Of Astrophysics (IIA), National Institute Of Mental Health and Neurosciences (NIMHANS), professionals from media houses, pharmaceuticals, eminent citizens from non-governmental organizations and the like are invited as resource persons for the Board Of Studies meetings.

- In addition, the departments enjoy a culture of constant co-curricular stimulus. Reputed professors and practitioners who are members of the Board of Studies are invited to interact with staff and students and deliver lectures. These lectures and conversations often spark innovation in curriculum design and draw our attention to frontier areas and how we may engage with them.

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#### **1.1.4 How are the following aspects ensured through curriculum design and development?**

##### **\* Employability \* Innovation \* Research**

The college's commitment to academic excellence encompasses the aspects of employability, innovation and research. These aspects receive due emphasis in the design and development of the curriculum.

##### **Employability**

- One key aspect in the regular updating of syllabi and curricula is skill-building in terms of employability. These are encouraged through a variety of classroom activities and through co-curricular activities.
- Regular contact with key industries through industrial visits is incorporated into the curriculum of most departments.
- Students are encouraged to take up internships in several of our courses that have a natural industry interface; the post graduate department of Economics, Political Science, Mass Communication have compulsory internship programs. Students of MSW have compulsory block placement as part of their curriculum. Post graduate department of Microbiology students carry out projects in industry.
- Alumni are brought in by various departments to orient students towards opportunities and towards skills they might need to acquire.
- The Placement Office organizes and monitors industry-intake and as part of this initiative offers basic orientation in terms of resume writing, tests, interviews and the like.
- Our B.COM - Business Process Services (BPS) and M.Sc. Big Data Analytics course are two industry- integrated courses where the curriculum is designed by the industry and some minor modifications made to match the academic requirements the discipline was done by the college. This is a new course which was started during this academic year (2016-17) in collaboration with TCS (Tata Consultancy Services).
- The Bachelor of Vocation B.Voc, B.A -Visual Communication, B.A in English, Journalism and Psychology and B.A Communicative English, Political Science and Economics are the industry – oriented courses offered by our college.
- The Choice Based Program was introduced this academic year in college. Several of our CBC courses allow students to add to their repertoire of skills from different departments such as of web-design skills and training in basic accounting.

- The Human Resources Development program is compulsory for all UG students which helps them with developing soft skills and inculcating values that are relevant to society and the work place
- A foundation course in Computer skills is mandatory for all students thus enabling all students to acquire some additional computer skills. Besides other foundation courses such as environmental studies, science culture and society, Indian constitutions help develop students into more responsible citizens.
- Students participate in Social Outreach Programs and other extension programs which also introduce them to the world of work. They acquire several social skills like leadership, communication, skills of empathy, negotiating, networking and other skills and attitudes required for developing good work ethics and habit.
- Guidance is provided to write the NET/KSLET/ UGC –CSIR-JRF and other competitive exams by faculty from their respective departments and all post graduate course include NET requirements into the syllabi.
- Increased use of Software and internet tools for teaching research and computational skills for courses such as Mathematics, Statistics, Economics, Physics, Botany, Zoology, Computer Science, Chemistry, Commerce and Big Data Analysis.

### Innovation

- The syllabi are designed keeping in mind the creativity of the individual members of the department and the extent to which the syllabi can assist in innovative teaching methodology.
- Often student projects and assignments provide insights of the nature of topics students are interested in and they eventually become part of the syllabi or the assignments and projects given to students later.
- Co-curricular extensions are focused on building problem-solving and practical skills among students
- The college has committed to innovations in knowledge delivery through an optimal use of available technology.
- Innovative teaching pedagogy which is popular in many subjects is a source of creative thinking for the students.
- When students become part of research carried out by teachers in their research project it induces students to think creatively about their own academic interests.

### Research

- The college has always encouraged research and as many as 40 MHRD, DST and other governmental sponsored research projects have been carried out during the past four years. This has its spillover effects on curriculum design and teaching methodologies.
- The College has set up a research committee to provide seed money for research projects.
- Some of our staff members have come together to promote a discussion group where staff and students may benefit from knowledge of current research called the Joseph Research Forum.
- Botany and Chemistry departments are already recognized as Research Centers by Bangalore University and a few more have applied to the University for recognition as Research Centers.
- Various Post-Graduate programs have a mandatory research requirement in terms of **dissertation writing**. These courses have a paper on research methodology as part of the curriculum.
- Taking cognizance of the fact that our departments have the highest number of PhDs among autonomous and other institutions in the state, the college has mandated a

**research term paper** as an essential course completion exercise for students in their final year. This was introduced in 2008 as an experiment, and has been continually fine-tuned over the current assessment period.

- The Environmental Science Department has made a research-based dissertation mandatory in the final semester of the B.Sc. course.

### **1.1.5 How does the College ensure that the curriculum developed addresses the needs of the society and have relevance to the regional / national developmental needs?**

The processes of feedback identified above represent one key aspect of this crucial task of measuring relevance to local needs.

- The curriculum designed has always been in tune with the vision and mission of the college and hence has always kept the focus on creating learning experiences which are relevant to the local needs and of the larger goals of development.
- Issues of local regional and national importance are included in the curriculum like issues of environment, economic and social issues like informal economy, gender, urban sociology, issues of governance, computer related and science.
- At the same time student activities like that of participating in departmental association has also helped students to be in touch with the real life affecting our society.
- The freedom to design assessment processes translates into innovative ways of engaging with local communities for students of courses such as Social Work, Environmental Science, Journalism, Sociology, Economics and History.
- The College also mandates a compulsory outreach programme in addition to these engagements through its newly formed Joseph's Outreach Centre which ensures that students are exposed to regional realities and development issues in a constructive way. The outreach can take the form of engaging with a rural community and also that of dealing with urban issues.
- The NSS, NCC, Social Work and Centre for Social Concern also run initiatives which go a long way in promoting such an engagement.

### **1.1.6 To what extent does the College use the guidelines of the regulatory bodies for developing or restructuring the curricula? Has the College been instrumental in leading any curricular reform which has created a national impact?**

- The College strictly adheres to guidelines laid down by the UGC and the University for developing and restructuring the curricula. The most recent example of this adherence is the phased manner in which CBCS courses were introduced after a due process of planning at the post-graduate and undergraduate levels in the academic year 2016-17. This is in tune with the national plan of providing choice based education to students.
- The successful introduction of two industry integrated courses namely B.Com Business Process Services (BPS) and M.Sc. Big Data Analytics has proved that colleges of liberal education such as ours too can offer industry integrated courses and may be a model for other colleges to follow thus creating a national impact. Both the courses have components in the disciplines which the college already has namely Computer Science, Mathematics Statistics and Economics but has incorporated the industry component from the Tata Consultancy Services. The B.Com –BPS course runs alongside the regular B.Com Course. In both the courses, study material, teacher training and resources have been provided by the TCS. For the M.Sc. resources have been provided setting up the lab. Tata Consultancy Services, has provided under its Corporate Social Responsibility program, laboratory facilities worth Rs 63 lakh, and videoconferencing facilities worth Rs

38 lakhs. Students of both courses will intern with the industry and placement opportunity will also be provided by the industry.

## 1.2. Academic Flexibility

### 1.2.1 Give details on the following provisions with reference to academic flexibility

**a. Core / Elective options** The College offers undergraduate programs ranging from general degree programs (BA and B.Sc.) in the three-major format stipulated by Bangalore University, to professional degree programs namely Bachelor's in Computer Applications (BCA), B.A (Visual Communication) B.Com and Bachelor's in Social Work (BSW). The list of courses offered at the undergraduate level are as follows:

**Table 1.1: List of Undergraduate Courses Offered**

1.	B.A. [EPS] Economics, Political Science, Sociology	2.	B.Sc. [CBBT] chemistry Botany, Biotechnology,
3.	B.A. [HEP] History, Economics, Political Science	4.	B.Sc. [CZBT] Chemistry, Zoology, Biotechnology
5.	B.A. [IES] Industrial Relations, Economics, Sociology	6.	B.Sc. [CBZ] Chemistry, Botany, Zoology
7.	B.A. [EJP] English; Journalism & Creative Writing; Psychology	8.	B.Sc. [CEB] Chemistry, Environmental Science, Botany
9.	B.A [ CPE ]Communicative English, Political Science, Economics	10.	B.Sc. [CEZ] Chemistry, Environmental Science, Zoology
11	B.Com	12.	B.Sc. [MCB] Microbiology, Chemistry, Botany
13	B.Com-Industry Integrated	14.	B.Sc. [MCZ] Microbiology, Chemistry, Zoology
15	BCA Bachelor of Computer Applications	16.	B.Sc. [EMS] Economics Mathematics Statistics
17	BSW Bachelor of Social Work	18.	B.Sc. [MEC] Physics, Electronics, Mathematics
19	BA Visual Communication	20.	B.Sc. [PCM]Physics, Chemistry, Mathematics
21	BVOC- VMF Bachelor of Visual Media & Film Making	22.	B.Sc. [PEM]Physics, Electronics Mathematics
23	BVOC -DMA Bachelor of Digital Media & Animation	24.	B.Sc. [PMC]Physics, Mathematics , Computer Science

The Social Science courses have four papers which are compulsory in the first four semesters and during the V, VI semesters a few courses offer students the option of taking an optional papers each along with a compulsory paper. This provides some flexibility within the university pattern.

The students of the Sciences and Arts undergraduate sections generally take up four core papers in the first four semesters and six core papers in the fifth and sixth semester. The students from the Commerce section take up four core papers in the first four semesters and six core papers in the fifth and sixth semester. Students have the option to choose a language among Additional English, Hindi, Kannada Tamil, Sanskrit French and German. The post graduate courses can take up optional papers in other related papers. Subjects like economics, political science and English offer optional papers as well. Table 1.2 presents the list of optional courses offered at the undergraduate level.

**Table 1.2: List of Optional Papers Undergraduate Courses**

	VSEM	VISEM
Economics(BA)	Environmental Economics Mathematical Methods for Economics Public Finance	Financial Institutions & Markets Basic Econometrics Entrepreneurship And Business Development
Economics (B.Sc.)	Environmental Economics(Optional) Economics of Growth and Development	Financial Institutions & Markets Public Economics
Political Science	International Relations: Institutions, Process & Issues Advanced Public Administration	
Commerce	Corporate tax planning Accounting for Other Companies Advance financial Management International finance Compensation Management Human Resource Development Consumer Behavior Retail Management	International Financial Reporting Standards Accounting for Business Decision and Reporting Investment Banking Security Analysis and Portfolio Management Industrial Relations International Human Resource Management International Marketing Advertising
BSW		Environment and development Social exclusion
History	History of Modern Europe History Of China And Japan Since 1900	Modern World History Of West Asia Since 1900 A.D
English III SEM	<b>BSc</b> Physical Sciences Stream: Science and the Making of Modernity <b>BA</b> students: Consuming the City: Bangalore as Text for <b>BSc</b> Life Sciences stream: Reading Nature	
English IV SEM	B.Sc. Physical Sciences Stream: Science and the Clash of World Views. BA and B.Sc. Life Sciences stream: Consuming the City: Bangalore as Text	

The College also offers optional papers in Post-Graduate courses in Chemistry, Botany, Big Data Analytics, Chemistry, Computer Science, Economics, English, Mathematics, Microbiology Political Science, Physics, Mathematics and Master’s in Social Work, Master’s in Communication . Table 1.3 presents the list of optional courses offered at the post graduate level.

**Table 1.3: List of Optional Papers Post Graduate Courses**

Department	IIISEM	IVSEM
Economics IVSEM	Comparative Politics and Society Human Resources Economics	

	Economics and Business Journalism Computer programming C	
English	Children's Literature I American Literature I	Children's Literature II American Literature II
Social Work	Health Situation in India Psychiatric Disorder Rural & Tribal Community Development Welfare & Development of Minorities	Medical social work Psychiatric social work Urban community development Environment & development Human resource Management Disaster management
Political Science IIISEM	Introduction to international law Forced migration & refugees : a human rights perspective	
Big Data Analytics IIISEM	Multivariate Statistics Operations Research	
Botany	Plant Tissue Culture Advanced Physiology	Microbiology Systematics Angiosperms Of
Chemistry IIISEM	Material Chemistry Organic Synthesis	
Computer Science IIISEM	Computer Architecture Mobile Computing	
Microbiology IIISEM	Food Microbiology Industrial Microbiology	
Mathematics IIISEM	Mathematical Methods Numerical Analysis	
Mass Communication IIISEM	Science and Environmental Journalism Technical And Content Writing	

**b. Enrichment courses:** the college regularly offers certificate courses for our students and a few students from other colleges in the city who are interested in the course. Presently there are about thirty-five courses in different subjects being offered.

**c. Courses offered in modular form**

At present, no courses are offered in modular form.

**d. Credit transfer and accumulation facility**

The UG courses require the student to have earned up to 160 credits in six semesters in order to complete the degree. The credit requirement for PG courses is 80 credits in four semesters.

In principle, the college allows credit transfer based on case to case basis and considering the curriculum completed in the earlier institution. The student is however required to obtain an equivalence certificate attested by the Registrar, Bangalore University in keeping with university norms governing such transfers. During the year 2013-15, five students from different states universities were admitted to our college to join EPS, CBBT, and PCM courses.

**e. Lateral and vertical mobility within and across programs and courses**

Students are permitted a small degree of lateral mobility in that the CBCS courses require them to take up one Open Elective with another department if they are Post-Graduate students and as many as three electives with other departments if they are Undergraduate students. Owing to the three-major format that the University mandates, lateral mobility is not a realistic option beyond this.

Vertical mobility is allowed in some courses. The B.A, BSW, B.A (Visual Communication) and B.Com Courses are open to all interested students irrespective of previous academic background as long as they have the basic 10+2 qualification. Similarly, at the PG level, Master’s programs in Communication, and Social Work admit students irrespective of their academic backgrounds.

**1.2.2 Have any courses been developed specially targeting international students? If so, how successful have they been? If ‘no’, explain the impediments.**

There are no courses targeting International students specifically, though the college has always played host to a small band of international students in its various undergraduate and postgraduate courses. The option of such a course has not been explored owing the current structure of affiliation to the University. In the absence of such a programme at the University level, we do not have no option of designing such courses.

**1.2.3 Does the College offer dual degree and twinning programs? If yes, give details.**

At present, there is no dual degree or twinning programs offered by the College though informal discussions have been held.

**1.2.4 Does the College offer self-financing programs? If yes, list them and indicate if policies regarding admission, fee structure, teacher qualification and salary are at par with the aided programs?**

- The college offers the following self-financing courses. These range from courses in soil sciences and humanities to basic sciences and to professional courses and to post graduate courses.
- The admission requirement to these self-financing courses is per the eligibility criteria prescribed by the Bangalore University. The admission policies are framed by the BJES and are in accordance with the rules framed for minority institutions in terms of intake from the religious minority. In addition, the BJES frames policies designed to further the preferential option for the poor among other religions while also making provision for admitting students who are Dalit/OBC and from other religious minorities.
- The fee-structure varies according to course owing to the different requirements of each course.
- The management is invested in finding qualified candidates with the appropriate skill-sets for each course with preference for NET/SLET and PhD candidates. The BJES ensures that the salaries given to qualified entrants into teaching these courses are on par or at least comparable with UGC entry-level salaries in order to retain talent.

**Table 1.4: List of Self Financing Courses**

UG Courses social sciences and Humanities	UG Courses sciences	PG Courses
[EJP] English; Journalism & Creative Writing; Psychology	[CBBT] Chemistry Botany, Biotechnology,	English
[CPE]Communicative English, Political Science, Economics	[CZBT] Chemistry, Zoology, Biotechnology	Journalism and Communication



B.Com	[MCZ] Microbiology, Chemistry, Zoology	Economics
B.Com-Industry Integrated	[MCB] Microbiology, Chemistry, Botany	Political Science
BCA Bachelor of Computer Applications	[EMS] Economics Mathematics Statistics	Physics
BSW Bachelor of Social Work	[PMC]Physics, Mathematics , Computer Science	Mathematics
BA Visual Communication		Computer Science
VMF Bachelor of Visual Media & Film Making		Big Data Analysis
DMA Bachelor of Digital Media & Animation BVOC		MSW

### 1.2.5 Has the College adopted the Choice Based Credit System (CBCS)? If yes, how many programs are covered under the system?

The college offers the following undergraduate and post graduate choice based courses

**Table 1.5: Undergraduate Choice Based Credit Courses**

		<b>Social sciences and English</b>
	Economics	Globalization and the Individual
		Insurance Services
		Agro-Food Marketing
		Economics Of Rural Development And Agriculture
		Basic Macroeconomics For Non-Economists
		Basic Microeconomic For Non-Economists
	English	Readings in popular culture
	History	Tourism of Karnataka
	Industrial relations	Human resources management
	Journalism	Journalism of story telling
	Political science	Civil services
		Ideas of development
	Political science	Civil services
		Ideas of development
	Psychology	Psychology
	Sociology	Characteristics of Indian society
<b>Physical sciences</b>		
	Chemistry	Cosmetic chemistry
		Industrial material chemistry
		Chemistry of food production
	Computer science	Basic programming skills
	Electronics	Number system and logic circuits
	Mathematics	Quantitative methods for civil services
	Physics	The Universe and Me
		Logic and Its Application in the Ascent of Physics
		Wonders of Physics
	Statistics	Descriptive statistics
	Chemistry	Cosmetic chemistry

		Industrial material chemistry
		Chemistry of food production
<b>Natural sciences</b>		
	Biotechnology	Biotechnology now and beyond
	Botany	Applied botany
	Environmental science	Environment and health
	Microbiology	Microbial diseases causes prevention and cure
	Zoology	A journey into animal world and human life
<b>Professional courses</b>		
	BCA	Web development
	BA (Visual Communication)	Reading images
		Film appreciation
	BSW	Basic human rights approach
	BCOM	Foundation on Income tax
		Basic accounting
		Entrepreneurial Development
		Fundamentals of Stock Market

**Table 1.6: Post Graduate Choice Based Credit Courses**

1.	Botany	Plant Propagation
2.	Chemistry	Chemistry Of Materials
3.	Computer Science	Web Technologies
4.	Economics	Basic Economics For Non Economists
5.	English	Writing For The Sciences
6.	Masters In Social Work	Human Rights
7.	Mathematics	Making The Right Decision
8.	Microbiology	Microbes And Us
9.	Physics	Astro Physics
10.	Political Science	Readings In Indian Polity
11.	Mass Communication	Indian Cinema

All students have to take a course of their choice in the IV semester of the undergraduate course and in the III semester of the post graduate courses. For the post graduate students, it is a 4 credit course of 60 hours course while for the undergraduate course it is 30 hour 2 credit course. At the end of the course, students take an examination as well.

#### 1.2.6 What percentage of programs offered by the College follows:

- \* Annual system
- \* Semester system
- \* Trimester system

All courses offered follow the semester system as the affiliating Bangalore University itself follows the system.

#### 1.2.7 What is the policy of the College to promote inter-disciplinary programs? Name the programs and what is the outcome?

- All courses offered at the under graduate level in the sciences and arts are multi-disciplinary in nature as students pursue a triple major course. This has been helpful to

students as they have an option of choosing one among the subjects for their master program. It has also helped them write competitive examinations

- A recent initiative towards starting inter-disciplinary courses has been made with the introduction in 2016 of M.Sc. Big Data Analysis at the post graduate level. This course is a collaborative effort of the Departments of Mathematics, Economics, Statistics and Computer Science.
- Since many of the faculty take up research projects and write papers along with faculty from other departments, students also get the benefits of such multidisciplinary approach to their subjects.

### **1.3 Curriculum Enrichment**

#### **1.3.1 How often is the curriculum of the College reviewed for making it socially relevant and/or job oriented / knowledge intensive and meeting the emerging needs of students and other stakeholders?**

- The curriculum of the college is reviewed annually through the Board of Studies. Major changes are made once in three years
- The BoS constitutes of subject experts who are often researchers themselves which helps in making the courses knowledge intensive
- The BoS constitutes of industry experts whose feedback help in forming syllabi relevant to the emerging trends and makes it job oriented.
- The presence of alumni helps in improving the course based on their experiences with the subject while in college and also suggests new units to the course.
- Feedback from present students, members of the department through Department meetings and parents through Parent-Teacher meetings is also considered.
- Feedback from eminent faculty who visit the college has been taken into consideration in updating the curriculum.

#### **1.3.2 How many new programs at have been introduced UG and PG level during the last four years? Mention details.**

\* Inter-disciplinary

\*Programs in emerging areas

The college has keeping abreast with the emerging needs of the city's educational landscape in the areas of basic sciences, social sciences and professional courses. It has thus introduced several courses during the last four years, and this is shown in the table given below

The BA-EJP and BA-CPE programs have an interdisciplinary element in that they feature collaborations between Journalism staff and the English Department in the areas of training in writing, editing, design and web-based production. Similar collaborations are underway between the Department of English and Political Science in terms of promoting a Reading and Writing model for students of the CPE course.

At the PG level, two new courses were introduced namely M.Sc. Mathematics and M.Sc. in Big Data Analysis. The big data analytics course features collaborations between four departments—Mathematics, Economics, Statistics and Computer Science and is an emerging area of study.

**Table 1.7: New UG and PG Courses Introduced During the Last Four Years**

UG Courses Social Sciences and Humanities	UG Courses Sciences	PG Courses
[EJP] English; Journalism & Creative Writing; Psychology	BVoc -VMF Bachelor of Visual Media & Film Making	Big Data Analysis
[CPE]Communicative English, Political Science, Economics	BVoc-DMA Bachelor of Digital Media & Animation	Mathematics
B.Com	B.Sc. Chemistry, Zoology, Biotechnology [CZBT]	
B.Com-Industry Integrated		
BA Visual Communication		

**1.3.3 What are the strategies adopted for revision of the existing programs? What percentage of courses underwent a major syllabus revision?**

Most departments have revised their syllabus for a minimum of three times and for a maximum of five times. The syllabus revision policy has always been that of a gradual incremental change rather than a sudden change. The following have been the guiding principles for all such revisions:

Compliance to UGC and Bangalore university norms

Researching syllabi of other autonomous colleges and universities both in India and abroad

Preparation for NET and other competitive examinations

Adoption of the recommendations by the members of the BoS.

Considering feedback from all stakeholders

Faculty expertise available

**1.3.4 What are the value-added courses offered by the College and how does the College ensure that all students have access to them?**

The college offers several value added courses. They are of five types. the first one is by choice and the others are mandatory for the completion of the degree itself.

- The first is the certificate programs which are offered beyond the curriculum. And the college offers about thirty such courses currently. These courses are paid courses and attract advanced earners. These students who wish to pursue but have difficulty in making payment the college offers them fee waivers.
- The second is the Choice Based Courses which is mandatory for all students to take a course of their choice
- The third is the foundation courses which is again mandatory and includes courses such as Indian constitution, science culture and society, computers and environmental studies
- The fourth is the Human Resources Development skill based courses.
- The fifth is the course on theology for catholic students.
- Software programs which are part of the syllabi of several courses are currently considered as value additions too

### **1.3.5 Has the College introduced any higher order skill development programs in consonance with the national requirements as outlined by the National Skills Development Corporation and other agencies?**

No, the college is yet to introduce higher order skill development programs in consonance with the national requirements as outlined by the National Skills Development Corporation. The college has set up a diploma course center which proposes to offer skill based –industry integrated diploma courses from 2017-18 in the evenings.

Some of the core and certificate courses that we offer are in correlation with the objectives of the National Skills Development Corporation.

#### **Core Courses:**

BCom Industry Integrated and MSc Data Analytics are courses offered in association with TCS, a leading private sector company.

#### **Certificate Courses**

Aptitudes, Soft Skills and Employability- Centre for Skill Development and Placement

Professional Accounting for Business Management- Dept. of Commerce

Data Science and Analytics- Dept. of Statistics

Research Based Learning- Dept. of Biotechnology

Art of Editing- Dept. of English

Training programme and counselling skills- Dept. of Psychology

Computer Fundamentals and Office Automations- Dept. of Computer Science

### **1.4 Feedback System**

#### **1.4.1 Does the College have a formal mechanism to obtain feedback from students regarding the curriculum and how is it made use of?**

The college employs a Compulsory Online Feedback Mechanism through Knowledge Pro (ERP Software) where the students anonymously assess the faculty at the end of the semester. One section of this feedback is directly related to curriculum delivery aspects. In this connection, it may be mentioned that the software for this purpose is managed entirely by a Non-teaching staff.

The feedback is analyzed and the consolidated report is given to the faculty by the principal. In case the principal finds that the faculty member requires help, he/she is given the required support.

#### **1.4.2 Does the College elicit feedback on the curriculum from national and international faculty? If yes, specify a few methods adopted to do the same - (conducting webinar, workshop, online forum discussion etc.). Give details of the impact on such feedback.**

- Each department has a cycle of BOS once a year for which external subject experts from other reputed institutions are invited. Their recommendations, suggestions and feedback are considered and incorporated and the syllabus is modified accordingly.
- Many of the BOS members have had research and teaching experience abroad and thus their sharing of expertise become valuable.
- Some departments have taken specific feedback regarding their syllabus from renowned Professors from reputed international universities.
- In a 2016 interaction with the faculty of Seattle University, USA, in which several of our departments presented details of the curriculum after which a discussion was held comparing aspects of curriculum delivery. This process came after visits to the said university by some of our faculty who also gave guest lectures there.

**Impact of the Feedback:** The feedback received from the national and international faculty has shaped the discussion around matter of syllabus and curriculum in several

departments, and changes have been made where they were found to be practical and sustainable.

#### **1.4.3 Specify the mechanism through which alumni, employers, industry experts and community give feedback on curriculum enrichment and the extent to which it is made use of.**

- The nature of the composition of the board has provided opportunities to elicit information from all stakeholders in the most appropriate and useful way. All departments have enjoyed this goodwill of the members of the BOS.
- The departments ensure that industry experts who are potential employers and alumni in divergent fields are consulted. Departments also earnestly seek guidance in these matters and keep track of suggestions made and the follow-up they have devised in response.
- The Department of Social Work and the Josephs Outreach Centre along with NCC, NSSA have been helpful in sharing their experiences of the community needs and this gets reflected in the syllabi or teaching in some way or the other.
- When CBCS was brought into effect, many departments were able to elicit feedback from alumni who are now employed by various international institutions regarding the syllabi. The English department has alumni who are faculty in Colgate University and Roanoke College, Virginia—the faculty are regularly consulted when they happen to visit India.
- Another source of feedback from the alumni is during the annual alumni meets. The alumni are sometimes invited, where the rules permit, as external lab examiners in some departments. During these sessions, valuable curricular inputs are received from them.
- The Academic Council and Governing Council which are both regulatory bodies are constituted so as to give adequate representation to the larger community. Their meetings are crucial as processes of review for existing and proposed curricula.

#### **1.4.4 What are the quality sustenance and quality enhancement measures undertaken by the institution in ensuring effective development of the curricula?**

Quality sustenance and enhancement are top priorities for the institution in all matters relating to curriculum setting to enhance academic rigor and make the course offered relevant and effective. This can be judged by the active engagement of the IQAC with counterparts in other institutions as well as in the institutional push towards the following initiatives:

- Regular and continuous discussion among the faculty about the working of the curriculum and changes desired generates several new ideas to emerge in terms of quality
- Regular staff council meetings raise issues of quality from a generic perspective which helps in setting benchmarks for departments.
- A regular feature of Departmental meeting with the principal once a semester has been helpful in sharing concerns of the department and this has been helpful in terms of quality enhancement initiatives.
- Attention to reconstituting Boards of Studies with eminent persons from time to time as specified by university statutes
- Our faculty visiting other colleges/research institutes in the city and other parts of the country to gain insights into the working of their curriculum and faculty visits from other colleges to our colleges sharing their experiences has been a proactive step in incorporating quality sustenance measures in our college.

- Faculty participating / delivering lectures in seminars and workshops have been a major another source of initiating quality measures in college curriculum.
- Active encouragement for staff in research advancement through minor/major projects, in seeking funding, and professional enhancement via orientation and refresher courses.
- Active encouragement of staff and student involvement in maintaining the learning continuum of curricular, co-curricular and extra-curricular activity.
- Collecting student feedback on curriculum and library infrastructure has been yet another important source of quality enhancement initiatives.

*Any additional information regarding Curricular Aspects, which the institution would like to include.*

The college enjoys the goodwill of all its stakeholders and they are ever so willing to contribute to enhancing the quality of curriculum design whenever required thus making the college and its curriculum current, relevant and making it holistic and sustainable for the required academic rigor and advancement of the discipline.

## CRITERION II

### TEACHING-LEARNING AND EVALUATION

At St Joseph's College the teaching-learning process is collaborative and holistic, being built around the needs of the student. The vision of the college is "Forming men and women for others" and so the pedagogy emphasizes critical and creative thinking, interactive and inclusive learning. The interactions between faculty and students reflect this nature of learning. The college motto 'Faith and Toil' remains the guiding principle in both academic and co-curricular endeavors.

#### 2.1 STUDENT ENROLMENT AND PROFILE

St Joseph's College in its early years was predominantly a men's college but today there are as many girls as there are boys. The college has a diverse student body which is drawn from different socio-economic backgrounds that come in from various parts of the country and from around the world as well. St. Joseph's College has students from Afghanistan, Bhutan, the Ivory Coast, Sri Lanka in its repertoire. The distribution of students by their state of origin show that .68% are foreigners, 1.56% are NRI, 36.7 are non karnatak and 61% students are Karnataka.

The students are drawn in by the promise of an educational institution that ensures academic excellence with social responsibility, and in return, the college strives to ensure access, equity and inclusivity along with quality education. Our diversity therefore creates a unique academic and cultural space, which is one of the most important strengths of the college. Each student is given the feeling of being a valued member of the college community.

##### 2.1.1 How does the college ensure publicity and transparency in the admission process?

St Joseph's College, Bangalore, is a 135-year-old institution which is one of the earliest colleges to have undertaken the NAAC accreditation in as early as in the year 1997. It received an A grade during the third cycle with a CGPA of 3.73 which is publicized on the college website([www.sjc.ac.in](http://www.sjc.ac.in)). The college is also one of the few colleges in India to have been granted the status of 'Centre of Excellence' by the UGC which is also displayed on the college website([www.sjc.ac.in](http://www.sjc.ac.in)). This information is also used in the college letter heads and all documents that the college publishes. The college has also been granted the Scheme "Fund for Improvement of S&T Infrastructure (FIST)" of the Department of Science & Technology (DST), Government of India.

The College website and prospectus carries all relevant details regarding the history of the college, its vision and mission statements, details of the admission process such as the admission schedules, departmental profiles, fee structures, certificate courses and other similarly relevant details. Information about the rich experience of the faculty is put up on the college website which provides publicity about the quality of faculty. Many of the faculty serves as resource persons to other reputed institutions and many also undertake various research projects. The college website carries detailed syllabi of all the courses being offered, as well as course objectives, reading lists and an evaluation system. A fairly good idea over view of the college and its working is thus made available to interested, potential students. Admission details are posted on the college notice boards in all three blocks namely, the Humanities block, the Science block and the Postgraduate blocks. The college thus promises to offer students a rich experience with a multitude of intellectual and cultural opportunities. The admission processes are planned very



carefully to ensure transparency and availability of information at all times to all the stakeholders.

#### Pre-Admission Phase:

A selection committee with the Principal as the Convener, a representative from the Local Superior and a few senior staff members as members is constituted to process all the applications. The selection of the applicants to be admitted is decided by this committee. The college is a Christian minority institution and as a result has an admission policy suiting this status. The college implements the Reservation Policy.

The criteria for admission is established and scrupulously observed.

40%: OBC, Hindus, Muslims and others.

10%: SC/ST

50%: Catholics

The broad guidelines to be followed during the admission process are discussed and approved by the Staff Council. A detailed allotment list is prepared to assign admission tasks to faculty members. A committee is set up for the framing of question papers for courses requiring an admission test and for the conducting of these tests, if required.

A detailed set of guidelines for admission, eligibility criteria, fees, list of documents required, hostel admission details, the “No Capitation Fee” notice and a list of answers to ‘Frequently Asked Questions’ are thereafter displayed prominently on the college notice-boards. This information is also printed in the college prospectus and made available, with the application forms, on the college website (<http://www.sjc.ac.in>). Student Volunteers assist the committee at all times.

#### Publicity and Transparency during the Admission Process:

- The College forms an Admission Committee, which has representatives from all departments. New faculty members are trained about the process in order to conduct the admission interviews. A young faculty member is accompanied by a senior faculty during the admission process. The coordinator of the committee reviews the admission process on a daily basis to ensure that the admissions are conducted in a smooth and transparent manner. A detailed schedule with faculty names, course lists, dates and timings is created and put up on the notice board to assist in the admission process.

- A Help Desk is created and manned by faculty members, on a rotation basis, which assists all prospective students who visit the college seeking for information about admissions.

Students seeking admission to the college can apply using the link to the application form which is available on the college website. Students also have the option of coming to the college premises to fill in the application form online using college computers. Adherence to Bangalore university requirements for admission in terms of marks, and cognate subject are also mentioned on the college website.

- The provisionally selected students are then notified via email/SMS regarding the date and time of interview which is conducted on the college premises. The list of candidates is uploaded on the college website immediately after the list is finalized.

The selected students must mandatorily appear for interview with his/her parents. The qualifying marks for different categories and subjects are specified during the admission process. Programs such as Joseph’s Outreach program are informed to the parents and students during interview.

- The Help Desk responds to any queries immediately and the college has a Grievance Committee to look into any complaints. Once the interview is completed, the application

of the selected candidate is countersigned by the interviewing faculty. The selected candidate meets the Principal with his/her parents. who countersigns it for further processes of payment of fees in order to complete the admission process. The candidate is then given twenty-four hours to pay the fees. The college strictly does not collect or accept any donations at the time of admission. Notices to this effect are posted on as many places as possible for the information of the applicants.

- The process is entirely transparent and follows all the norms and procedures laid down, as mentioned above. No eligible student, including those from the reserved categories (including SC/ST/OBC/PD, students from Foreign Boards, and students who apply under the Sports Category) is refused admission, subject to availability of seats. Since the entire admission process is computerized, data on the number of students admitted in each subject on each day is available. After the completion of the admission process an auditor of admissions is appointed to study the process and a report is prepared. Members of the faculty who are part of the admission committee are involved in the admission process on a rotation basis.

### **2.1.2: Explain in detail the process of admission put in place for UG, PG and Ph.D. programs by the College.**

#### **Explain the criteria for admission (Ex. (i) merit, (ii) merit with entrance test, (iii) merit, entrance test and interview, (iv) common test conducted by state agencies and national agencies (v) others followed by the College?**

The admission process takes care to inform all interested candidates about admission criteria to various courses. All courses follow the guidelines of Bangalore university which is the affiliating university regarding admission requirements. Besides merit being taken into consideration, some courses have merit plus entrance test. All courses have interviews. The requirements are mentioned below

#### **Undergraduate Courses:**

**Eligibility criteria for admissions to Undergraduate courses [B.A./B.Sc./B.S.W./ B.A. Visual Communication, BA Film making and BA Vocational courses]**

Candidate should have completed 12 years of schooling in 10+2 pattern of Karnataka PUC / ISC / CBSE / NIOS / IGCSE / IBor from any recognized Board in India or abroad with any combination of optional subjects or any other examination recognized as equivalent thereto shall be eligible for admission to BA course namely

HEP: History- Economics-Political Science

EPS: Economics -Political Science -Sociology

IES: Industrial Relations- Economics - Sociology

CPE: Communicative English-Political Science - Economics

B.A. Visual Communication

#### **Marks +Entrance test**

The following courses besides the basic requirements also have an entrance test

EJP: English- Journalism- Psychology- Marks +Entrance test

BCA Bachelor in Computer Applications

B.Voc Film making

B.Voc Digital Media and Animation

**B.Sc.:** A candidate, who has passed two year PUC examination / 12th standard consisting of at least two Science subjects as optional subjects shall be eligible for admission into the B.Sc. degree courses. However, for PCM, CBZ and PEM, candidates should have

studied all three subjects in the +2 level. A candidate applying for a B.Sc. degree shall opt at least two of the optional subjects which he/she had studied at the +2 level.

A candidate opting for Physics as an optional subject in the B.Sc. degree course should have studied Mathematics as an optional subject in addition to Physics as another optional subject at the +2 level.

A candidate opting for Statistics as an optional subject in the degree course should have studied Science with Mathematics as a compulsory subject at the +2 level.

A candidate opting for Botany, Applied Botany, Microbiology, Biotechnology and Zoology as optional subjects at the B.Sc. degree course should have studied Biology as an optional subject at the +2 level.

None of these courses requires an entrance test for admission.

**B.S.W:** Candidates who have passed two years Pre-University Course of Karnataka State or its equivalent in any combination of subjects are eligible for admission to this course.

**B.Com.:** Candidates who have completed two years Pre-University Course of Karnataka State or its equivalent in any combination are eligible for admission to this course.

**B.C.A:** Basic eligibility is a pass at the +2 level (Karnataka PUC / ISC / CBSE / NIOS / IGCSE / IB) from any recognized Board in India or abroad. Candidates, from non-Science streams, should have studied Mathematics, Computer Science or Electronics at the +2 level to gain admission to this course. ENTRA

### **Postgraduate Courses:**

The college offers eleven post graduate courses of which some courses have admission tests.

#### **Marks+ Entrance test**

**M.A. Economics:** Candidates who have secured 40% marks in the aggregate of all subjects and 50% marks in Economics at their Bachelor's Degree level can apply but have to qualify the written test in Mathematics, Economics, Basic logical skills and writing skills conducted by the department. The courses conduct an admission entrance test

**M.A. English:** Graduates who have secured 40% in the aggregate of all subjects and 50% marks in the cognate subject in the qualifying University Examinations, as well as four semesters of General English are eligible to apply. OR Candidates with B.A., B.Sc., and B.Com Degree are eligible to apply provided they have scored 55% in English in the degree course- they also need to have done 4 semesters of English at the Undergraduate level. The courses conduct an admission entrance test.

**M.A. Political Science:** Graduates who have secured a 40% aggregate of all subjects and 50% of marks in the cognate subject at the Bachelor's Degree level OR Graduates who have studied Public Administration (with 50% marks) at their Degree OR those who have studied Political Science as a subject in the first three years of a Five Years B.A.B.L / B.A.LLB Course. The course conducts an admission entrance test.

#### **Only based on marks in the qualifying examination**

**M.S.W:** A Bachelor's degree in any subject of a recognized University with a minimum of 50% marks.

**M.Sc. Botany:** The candidate must have studied Botany as a cognate subject at B.Sc. level along with two Natural Science subjects and with a minimum of 50% marks in the cognate subject and minimum of 40% in the aggregate.

**M.Sc. Chemistry:** The candidate must have studied Chemistry as a cognate subject at B.Sc. level and studied Mathematics at 10+2 or Pre-University level and with a minimum of 50% marks in the cognate subject and minimum of 40% marks in aggregate.

**M.Sc. Microbiology:** B.Sc. Degree of Bangalore University or any other University equivalent thereto with 50% marks (45% for SC/ST) in aggregate. The applicant should have studied Chemistry/Biochemistry compulsorily as an optional subject along with at least one of the following optional subjects. a) Microbiology b) Biotechnology c) Botany d) Applied Botany e) Zoology f) Applied Zoology g) Industrial Microbiology h) Environmental Science i) Genetics j) Applied Genetics k) Sericulture l) Home Science m) Life Sciences n) Biological Sciences o) Agricultural Sciences p) Biochemistry q) Dairy Sciences r) Horticulture s) Forestry and (t) Fisheries. In case of Honors students in Biotechnology, Microbiology, Botany, Zoology or Biology where the “class” is decided on the basis of Honors subjects only, marks in other optional may not be calculated for this purpose.

**M.Sc. Computer Science:** Candidates with B.Sc. (Computer Science) or B.C.A with at least 50% aggregate marks of all optional subjects (throughout 3 years of B.Sc. /BCA courses).

**M.Sc. Physics: Candidates** who have passed B.Sc. Degree Examination of any University provided he/she has studied Physics and Mathematics as any two of three cognate subjects and has scored at least 50% marks in physics and a minimum of 40% in the aggregate.

#### **M.Sc. Mathematics**

Candidates who have secured 40% marks in the aggregate of all the optional subjects and 50% of marks in the cognate subject (Mathematics) at the Bachelor’s Degree level.

#### **M.Sc. Big Data Analytics** (Industry Integrated Course)

Candidates who have completed B.Sc. Degree with Mathematics and Statistics as two of the optional subjects with 50% marks in aggregate are eligible for the course.

#### **Marks+ Entrance test**

#### **M.A. Mass Communication**

Candidates who have a second class Bachelor’s Degree with 50% aggregate in all examinations of the degree in optional subjects of Journalism. For Non-Journalism Graduates, Candidates should have passed the Bachelor’s Degree examination from any recognized university.

**PhD Programs:** The College is affiliated to Bangalore University and follows the procedure of admissions through entrance conducted by Bangalore University. Students are allowed to use the lab facilities of the college once selected during the counseling in the BU

**iv) common test conducted by state agencies and national agencies:** none

**(v) others followed by the College:** none

### **2.1.3 Does the College have a mechanism to review its admission process and student profiles annually? If yes, what is the outcome of such an analysis and how has it contributed to the improvement of the process?**

Yes, the college reviews the admission process annually. The feedback is then incorporated for improvement. For instance, the faculty is now fully involved in the process thereby ensuring transparency and fairness and also knowledge about the kind of students appearing for interview and share valuable insights with the admissions committee. It has also helped in streamlining the process of admission by making all lists available to the office and the principal in terms of fees payment due and proceeds to announce further vacancies for particular courses if available.

Since the application process has also gone completely online, based on demand, comparisons are made with the number of applications received in the previous years, requirements of entrance tests for courses and so on. Student profiles of the admitted

candidates are collected during the admission process and the same is updated annually in the administrative office for the preparation of the admission abstract and can later be used by the college for all other academic purposes.

#### 2.1.4: What are the strategies adopted to increase / improve access to students belonging to the following categories

\* SC/ST \* OBC \* Women \* Different categories of persons with disabilities

\* economically weaker sections \* Outstanding achievers in sports and extracurricular activities

- The college follows the rules set by the Government of Karnataka in terms of student admission for SC/ST and other reserved categories. Scholarships provided by the state and other minority agencies are put up on the notice boards as information to attract students of this category.
- There is no special effort being taken by the college to increase access for women students as the numbers of women students applying for the courses are many.
- The college offers preferential options for the poor and follows certain strategies to increase access to students belonging to various categories. Once students from the marginalized sections are admitted, the college assists the needy by providing fee concessions/ scholarship to students who belong to the economically weaker sections of society.
- Mid-day meal schemes are available to students requiring such assistance. Students with disabilities have access to class rooms as ramps, use of lifts are available in all blocks of the college.
- When candidates with disabilities apply, they are summarily given admission. The college informs them about the various facilities available for such students on campus. The use of scribes and laptops during exams, extra writing time, and special assignments for students with special needs, special question papers for students with special needs is provided so as to increase access for such students.
- Outstanding achievers in sports and extracurricular activities are given admission with the intention to encourage sports on campus. Such students are informed about the benefits they get regarding attendance for participating in competitions.

#### 2.1.5 Furnish the number of students admitted in the College in the last four academic years in the number

The college has seen a steep increase in the number of students admitted to the different courses. Table 2.1 shows the statistics for student profile of the last 4 years.

**Table 2.1: UG Student Profile of the Last 4 Years**

Categories	2013-14		2014-15		2015-2016		2016-17	
	M	F	M	F	M	F	M	F
SC	37	26	41	27	53	51	63	46
ST	53	40	108	26	86	28	80	30
OBC	230	159	268	192	450	325	381	254
GENERAL	124	134	168	162	228	235	426	347
OTHERS	22	12	23	18	6	3	9	0
TOTAL	466	371	608	425	823	642	959	677

All Catholics, Christians-Non Catholics and Minorities come under OBC category

**Table 2.2 : PG Student Profile of the Last 4 Years**

CATEGORIES	2013-14		2014-15		2015-2016		2016-17	
	M	F	M	F	M	F	M	F
SC	4	2	4	3	6	9	4	10
ST	15	12	10	22	19	14	14	33
OBC	49	123	50	101	78	157	39	107
GENERAL	25	60	28	75	9	10	51	123
OTHERS	0	0	8	2	0	0	0	0
TOTAL	93	197	100	203	112	190	108	273

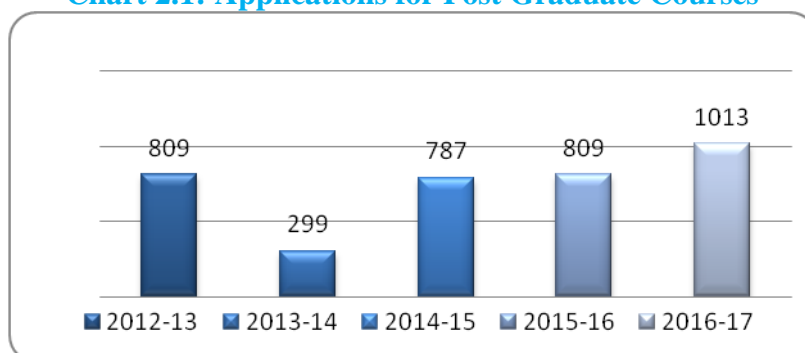
**2.1.6 Has the College conducted any analysis of demand ratio for the various programs offered by the College? If so, indicate significant trends explaining the reasons for increase / decrease.**

Yes, the college has analyzed the demand for various courses. It was found that for a couple of years, undergraduate basic science courses had a lower demand when compared to social sciences. Commerce was introduced in 2015-16 and has seen heavy rush for seats. The reason behind this rush was not hard to find, since the college waits for the common entrance test results to be announced before filling the seats for these courses. Of late the situation has improved as the college has begun to get good students right from before the Common entrance test results are announced. The demand for Bachelor of Computer Science is an exception. There is a good demand for all Social Sciences courses. The high demand for EJP, CPE, B.Com and professional courses such as Visual Communication, Film Making and Animation is due to the professional nature of courses and also because it targets those students who do not wish to pursue traditional courses.

**Table 2.3: Applications for Post Graduate Courses**

	Courses	2012-13	2013-14	2014-15	2015-16	2016-17
1.	Big Data Analytics	-	-	-	-	54
2.	Botany	20	20	46	63	68
3.	Chemistry	23	23	59	46	77
4.	Communication	32	31	118	109	115
5.	Computer Science	36	35	55	70	68
6.	Economics	34	29	89	88	70
7.	English	31	32	103	164	142
8.	Microbiology	31	31	72	51	97
9.	MSW	42	43	92	84	122
10.	Mathematics	-	-	27	23	56
11.	Physics	63	21	74	63	96
12.	Political Science	48	34	52	48	48
	<b>TOTAL</b>	809	299	787	809	1013

**Chart 2.1: Applications for Post Graduate Courses**

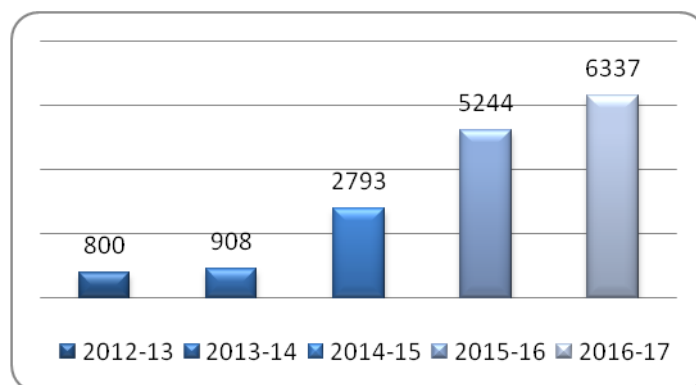


**Table 2.4. Applications for Undergraduate Courses**

	<b>COURSE</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>
1.	B.A-EJP-	4	37	443	497	472
2.	B.A. –EPS-	104	94	208	247	276
3.	B.A.-HEP-	91	77	175	210	233
4.	B.A. –IES-	90	79	177	194	214
5.	CPE	-	-	-	-	151
6.	B.Com	-	-	-	1825	2269
7.	B.Com-Industry Integrated	-	-	-	-	83
8.	B.Sc.-CBBT-	36	25	54	66	86
9.	B.Sc. –CBZ-	31	39	120	170	195
10.	B.Sc.-CEB-	12	21	24	26	52
11.	B.Sc.-CEZ-	15	16	44	44	70
12.	B.Sc.-CZBT-	-	34	106	163	235
13.	B.Sc.-EMS-	32	38	124	213	219
14.	B.Sc. –MCB	13	20	45	54	47
15.	B.Sc. –MCZ-	46	49	90	126	151
16.	B.Sc. -MEC-	45	54	77	78	110
17.	B.Sc. –PCM-	38	71	178	220	224
18.	B.Sc.-PEM-	27	37	117	109	174
19.	B.Sc. –PMC-	64	64	138	165	163
20.	BCA	69	62	334	429	320
21.	BSW	40	45	82	79	109
22.	BVC	43	46	218	206	253
23.	Digital Media & Animation	-	-	13	45	110
24.	Visual Media & Filmmaking	-	-	26	78	121
	<b>Total</b>	<b>800</b>	<b>908</b>	<b>2793</b>	<b>5244</b>	<b>6337</b>

Note: In 2016-17 BVC was changed to Visual Communication.

**Chart 2.2: Applications for Under Graduate Courses**



The demand for post graduate courses indicates that there has been a steady increase in the demand for the courses such as English, MSW and Communication. All courses have shown an increased demand during the study period. The admission process went online in 2014-15.

**Table 2.5: Number of Students Admitted 2016-17**

Programs	Number of applications	Number of students admitted	Demand ratio
UG	6337	1636	4:1
PG	1013	381	3:1
Integrated masters	0	0	0
MPhil	0	0	0
Ph.D.			
Integrated Ph.D.	0	0	0
Certificate	700	600	1:1
Diploma	0	0	0
PG Diploma	0	0	0
Any other (please Specify)	0	0	0

**2.1.7 Was there an instance of the College discontinuing a programme during last four years? If yes, indicate the reasons**

The college has not discontinued any program during the last four years.

**2.2: CATERING TO STUDENT DIVERSITY**

The college has the history of admitting students from a variety of socio economic and regional backgrounds. It is truly cosmopolitan in character as different languages and different regions are represented on campus. Not all students joining the college have good academic records as access is given even to students with not so good an academic record to better his/her life after admission to the college which is a challenge and also a satisfying experience.



### **2.2.1: Does the College organize orientation / induction programme for fresher's? If yes, give details of the duration of programme, issues covered, experts involved and mechanism for using the feedback in subsequent years.**

With the nature of diversity presented on campus, the college has a long history of conducting orientation programs every year. A one or two-day orientation programme for the new batch of students is conducted. Different staff members are involved in this process.

- The students are given an introduction to the history of the college, the working of autonomy, the examination system, the rules and regulations regarding attendance, discipline and other academic concerns.
- The issue of 'Ragging' is highlighted to students and Anti ragging notices are posted on all notice boards. Students are informed about the working of the various grievance cells of the college to seek help in times of need.
- Students are also introduced to each other with ice breaking sessions.
- In addition to the College conducting orientation/ induction programs, department-wise orientation programs are also conducted in the first week of college. Here, students are introduced to the course and are oriented into the course structure and course requirements. Members of the faculty interact with students and present teaching plans, and also motivate them to work towards time management and team work. The faculty also highlight opportunities that the students may have for higher studies and employment, based on their chosen combinations. The Social Work department conducts grass-root level social workers training before students are placed at grass root level NGOs, department orientation with field work Classroom to community and vice versa. The Communication and Visual Arts departments conduct workshops on Issues and Challenges in Reporting and Editing, and on Career Opportunities in Design and in film.
- After a week or two in college all first year students attend a week long IGNITORS program conducted by the Josephs Out Reach Centre. These weeklong sessions include sessions on personal goal setting, building self-esteem freedom and responsibility, conflicts, family, sex education, team working, leadership, motivation, social issues, poverty, drug and substance abuse, Indian constitution, gender issues and similar topics. The resource persons are from among the faculty and also from other colleges and NGO as number of resource persons required are many.

### **2.2.2 Does the College have a mechanism through which the “differential requirements of student population” are analyzed after admission and before the commencement of classes? If so, how are the key issues identified and addressed?**

Since the college admits students of all denominations, the college is sensitive to the differential needs of admitted students. Discussions at Departmental meetings on student performance result in planning actions required for different category of students and also for individual thus looking into "differential requirements of the student population”.

- Since students with differing levels of competency in English and language skills get admitted into college, it poses a challenge for teachers. Therefore, the English department conducts streaming tests and students are divided into different classes based on their writing abilities. The syllabus and pedagogy are then customized to help the students strengthen their language skills. The vernacular language Kannada and Hindi have different syllabi and question papers for B.A,B.Sc. and B.Com students.

- The post graduate Economics department has a mechanism to identify relatively weaker students in mathematics and writing skills through the admission test papers and also after joining the course.
- Almost all departments provide remedial help through various means such as classes on basic concepts, peer learning, joint assignments with academically better students and individual attention, along with counseling, if necessary.
- Several teachers are approachable for one-on-one sessions both online and in person.
- Sports students admitted are watched out for as they require special attention since they miss classes during their matches. Teachers arrange special support for them in terms of classes and internal assignments.
- After the commencement of classes, student attendance is monitored for any particular pattern and class mentors and counselors attend to this need.

**2.2.3: Does the College provide bridge /Remedial /add - on courses? If yes, how are they structured into the time table? Give details of the courses offered, department-wise/faculty-wise?**

**Bridge Courses:** Bridge courses are conducted by different departments.

- The Sociology, Political Science, Economics, Chemistry and Physics departments conduct courses to help the students to refresh their basics and bridge the knowledge gaps to prepare them for the course.
- Department of Commerce conducts abridge course in quantitative methods for the first years.
- The Mathematics department conducts a non-linear dynamic course for all the students to initiate research thinking in the field.
- The Social Work department conducts a course in basic Kannada for the non-Kannada speaking students to equip them with colloquial language skills required for field work
- Students with poor written and spoken skills in English are informally sent to the English Department teachers.
- Post graduate Economics department provides tutorial classes and encourages peer support for the students weak in mathematics. They are guided to library work to improve upon their reading and writing skills.
- All departments provide individual support and encourage peer support in academics for the academically weaker students. Some departments like chemistry provide special classes before the commencement of examination for the needy students. The post graduate Economics students are assigned weaker undergraduate students to mentor and provide remedial classes.

**2.2.4 Has the College conducted a study on the incremental academic growth of different categories of students; student from disadvantaged sections of society, economically disadvantaged, physically challenged and slow learners etc.? If yes, give details on how the study has helped the College to improve the performance of these students.**

The Controller of Exams 'office has a centralized data base of students and the list of their academic performance. This data is available to departments and to individual mentors. Individual departments and mentors access this data after each set of examinations and assess the performance of different categories of students to help them stay on par with the others. The college enjoys healthy and cordial student- teacher relationship which has been central for providing individualized attention to students. The

college also has four counselors who play an important role in providing individualized attention wherever required.

**Economically disadvantaged:** Individual Teachers, Mentors, Welfare officers and Heads of departments are responsible for recognizing individual needs of students through their continuous interaction with these students. Needystudents are encouraged to apply for scholarships, apply for mid-day meal scheme, apply for books from book banks or provide them with some books available with the departments.

**Slow learners:** Sometimes individual teachers identify such students, at times parents come and meet class mentors and share their concerns and the concerned teachers provide support in whatever way possible. For example, a student with phocomelia dyslexia is exempted from learning languages. Following the result analysis and individual feedback, separate question papers without answers requiring graphs are prepared for the visually challenged students in economics, a separate question paper in statistics for dyslexia students, or examination time is extended for slow learners and the like.

**Physically challenged:** For physically challenges students, the COE's office arranges suitable ground floor rooms to write examinations. They are given different types of assignments suiting their abilities. For example, a post graduate Economics student was given concession in carrying out his dissertation using secondary instead of collecting primary data.

These efforts by individual mentors and departments have helped in improving the overall academic experience of students.

Following is the analysis of data relating to differently challenged students.

**Table 2.6: Incremental Academic Growth of Different differently challenged students**

Sl. No.	Register number	Exam results(percentage marks)					
		I Sem	II Sem	III Sem	IV Sem	V Sem	VI Sem
1.	12HEP1002	Failed in Eco 40 %	47%	51%	44%	55%	Not Available*
2.	12IES1338	Failed in Eco48%	52.4%	52.6%	50%	56.17%	Not Available*
3.	12BCA4252	77%	76.38%	80.88%	82.5%	91.33%	90.33%
4.	13PEM2246	56.17 %	58.83%	64.5%	65.17%	69.3%	67.75 %
5.	13EPS1261	69%	57%	57%	61%	64%	60.33 %
6.	13HEP1015	79.80%	79.60 %	79.8%	73.4%	77%	74.67 %
7.	13HEP1028	Failed in Language History 45%	Failed in Economics 48.2%	Failed in Pol sc 52.4%	44.2%	48.2%	45.54 %
8.	13HEP1067	79.20%	80%	78.2%	80%	82.5%	80.17 %
9.	14BVC4338	62.14%	67%	71.5%	69 %		
10.	14HEP1001	54.60%	55%	58.8%	59.4 %		
11.	14HEP1055	64.60%	65%	61.0 %	67.80 %		
12.	14IES1304	41%	42.8%	44%	63 %		
13.	14ECO5312 ( MA)	57.40%	64.8%	65.4%	67 %	NA	NA
14.	14PLS5107 (MA)	67.40%	75.6%	74.67%	83.71	NA	NA

15.	15VOF6104	61.29%	56.38 %				
16.	15HEP1071	68.20%	76 %				

### 2.2.5 How does the institution identify and respond to the learning needs of advanced learners?

As mentioned above individual teachers are attentive to student needs based on their interaction and they are guided appropriately. Several certificate courses are offered to students who have the inclination to go beyond the regular class room curriculum. They are willing to spend money, time and effort to take up courses of their choice. The courses include GIS and Remote sensing, Ecological sampling techniques, Ornithology, Statistics using MS Excel, connecting people and plants, Course on R Software, Data Science Analytics, Accounts, Practice Teaching, Research Methodology, Certificate course in Hindi, Life Skills, Gender studies, Space and Rocket Dynamics, Spectroscopy, Economic Botany, Environmental Science, Wildlife and Conservation. Table 2.7 presents the number of such courses offered. These courses are conducted after class hours and are popular among students. These courses also award students with credits.

**Table 2.7: Number of Certificate Courses Offered**

Category	2012-13	2013-14	2014-15	2015-16	2016-17
Natural Sciences	4	1	6	9	7
Physical Sciences	1	1	2	3	4
Social Sciences	1	2	4	7	4
Skill-based	1	2	2	4	5
Arts & Theatre	2	2	4	4	3
Journalism Courses	1	1	4	6	1
Language Courses	1	3	1	4	1
Computer-based Courses	7	9	9	12	10
	18	21	32	49	35

- The Josephite Research Forum which is a platform for discussion in research encourages advanced learners to take up research project by interacting with faculty from other disciplines in an attempt to help students get different perspectives of research on the subject. This has motivated advanced learners and some of them have applied for funding of their small research projects under the DBT program.

Undergraduate and postgraduate students from both the Sciences and the Humanities are encouraged and enabled to attend conferences, present papers and sometimes, even publish them. Choosing a challenging topic for writing their term paper is another way to meet the needs of advanced learners. They are also suggested advanced books in subject of their interest.

Both social sciences and basic sciences courses at the post graduate departments require students to get internships in research institutions and in industry which motivates them to apply their class room learning to the field of work. Here students search for internship depending on their abilities in research institutions and for research projects. Academically oriented students are helped with their research proposals when applying for higher studies.

Students are encouraged to participate in summer projects with research labs and internship programs at institutions such as JNC, IISc, (sponsored by Indian Academy of Sciences), IIM, ISEC, IGIDR, Reap conducted by Nehru planetarium, NCBI/ IISc/ NPCC/

NAP etc. Students are intimidated about seminars and national level conferences, exams etc.

The postgraduate students engage foundation course classes for B.Sc./ BA students in Environmental Science and Indian Constitution which offers them a challenge in using their knowledge for teaching purposes.

### **2.2.6 How does the institution cater to the needs of differently-abled students and ensure adherence to government policies in this regard?**

The departments such as Economics which have students with special needs enrolled like for visually challenged students, arranges for special question papers without questions requiring graphs. Dyslexic and visually challenged students are permitted to use a scribe or a laptop to answer exams, and are also given extra time writing exams.

Customized assignments are given to students with special needs. For instance, a physically challenged student of MA (Economics) was helped to choose a dissertation topic which required only secondary data analysis. The college exempted him from outreach activity.

Ramps and lifts make it easier for physically challenged students to access classrooms and academic spaces.

In addition, an Equal Opportunity Cell, as well as other associations such as gender sensitization cell, Tibetan and North-eastern student's forum, International student's association, create awareness to ensure that the students are enabled to express their specific needs and concerns, which are then addressed by the management.

## **2.3 TEACHING-LEARNING PROCESS**

### **2.3.1 How does the college plan and organize the teaching, learning and evaluation schedules? (Academic calendar, teaching plan, evaluation blue print and so on)**

**Academic calendar:** As an autonomous college, St Joseph's College devises its own teaching plans and methods of evaluation. The college has an academic calendar which is designed by the Principal and Controller of Examination as per the stipulation of Bangalore University, UGC norms with 180 teaching days. There are additional days for tests, examinations, and valuations. The college works for more than 240 days during a year.

**Planning teaching and learning:** Based on this academic calendar the college, the Board of studies designs the syllabus, along with the sub divisions and the respective time required and a well-developed plan for teaching, learning and evaluation is developed. In compliance with the schedule, the Board of studies designs the syllabus, along with the sub divisions and the respective time required. The college adheres to this plan throughout the academic year. Regular staff meetings are held to monitor and keep the calendar of events on track. In case of some unusual events like political unrest resulting in loss of working days, the schedule is reworked with approval from the Staff Council.

**Time Table:** The College prepares a master time table to incorporate languages like languages French, German, Tamil, Sanskrit and other common subjects like foundation courses. Another time table is prepared for sciences and social sciences, languages, professional course and PG courses. The time table is prepared well in advance before the commencement of the next semester. This ensures that the planning of teaching learning process is done in an organized manner.

**Teaching plan:** At the departmental level, the faculty decides the portions of the syllabus that need to be completed before each academic event. The college follows the practice of each member of the faculty writing the work done diary which is countersigned by the head of the department and finally signed by the principal. From this

semester onwards the college has gone digital in recoding activities in the work done diary. Discussion on completion of portions to match the examination schedule ensures that all faculty members teaching the same paper are on par with each other.

**Evaluation schedule:** The college calendar has mentioned the dates of announcing internal assignments, dates of mark entry and dates of end semester examinations. This enables both teachers and students to plan their work. Upon discussion with faculty, the Head of the department makes allotment of setting question paper and preparing scheme of evaluation and the list of evaluators which is given to the COE. The COE announces the dates of Board of Examiners meeting with an external examiner to review the question papers for moderation of question paper if required, content and grammatical errors, scheme of evaluation and allotment of marks. All members attending the meeting together finalize the papers after making corrections in soft copy and then putting their signature on it.

The examination schedule with invigilators list and non-teaching staff duties is prepared by the COE office well in advance and put up on the notice board. The elaborate arrangements ensure that the evaluation process is conducted in the best possible manner. Once a paper of the end semester exam is conducted, valuation can begin on the same day itself by the teachers listed in the Board of evaluation submitted to the COE earlier. This list contains both internal and external evaluators. The answer booklets are bar coded ensuring secrecy. After evaluation review is carried out, the marks are entered in the computer using the ERP software Knowledge pro then itself. This ensures faultless and speedy entry of marks. With the cooperation of faculty, college is able to complete the entire evaluation with ten days for UG papers and about a fortnight for PG papers and results are announced within ten days of the conduct of the UG examination on the college website while for the PG courses it takes about twenty days due to the process of double valuation which as to be done by external examiners.

### **2.3.2 Does the College provide course outlines and course schedules prior to the commencement of the academic session? If yes, how is the effectiveness of the process ensured?**

Departments after the Board of Studies meeting finalize the syllabus along with the course specific objectives, reading lists and evaluation pattern which is then hosted on the college website. The college website hosts details of all courses. The availability of the syllabus online ensures that the students take up a course with full knowledge of the rigor involved. This helps reduce the student drop-out rate. Students are made aware of this syllabus available online and take print out and keep. Till a few years ago a printed copy of this was given to students and was discontinued as students use computers in their daily academic life. Students track the completion of syllabus as well ensuring that they too are involved in the teaching learning process.

### **2.3.3 What are the courses, which predominantly follow the lecture method? Apart from classroom interactions, what are the other methods of learning experiences provided to students?**

The lecture method, being a proven pedagogical approach, is adopted uniformly across courses. Science courses have practicals as a part of their curriculum. The Natural and Physical Sciences have units incorporated in their curriculum which permits them to use experiential learning. The social sciences and languages courses use different methods of classroom interactions like group discussions, classroom presentations using PPT, quiz, report writing, using case studies and management games. In addition to it, students are exposed to their subject through field work, movie screenings, panel discussions and

museum visits, interclass and intra class competitions collecting and discussion of published material/objects of historical, sociological and economic value, role plays and rural camps are used as methods of experiential learning. Inviting guest lecturers is another method used both by science and social sciences and humanities teachers. The use of these methods has become possible as the curriculum is designed in a suitable way. Participating in exhibitions is another way of learning both for the sciences and social sciences. Encouraging students to research to write term papers and dissertation is yet another method of providing a meaningful method of learning.

#### **2.3.4. How is 'learning' made more student-centric? Give a list of participatory learning activities adopted by the faculty that contribute to holistic development and improved student learning, besides facilitating life-long learning and knowledge management.**

The approach to teaching-learning at St Joseph's College is learner-centric, rather than teacher-centric. It makes use of innovative pedagogical techniques that combine the theoretical with the practical. The aim is to not only to sharpen critical understanding of a subject, but to understand its interface with a changing world.

- The attempt is to blend the chalk and talk method of teaching with e-learning to make the classroom a truly interactive space.
- To enhance independent learning among students, faculty use nonconventional pedagogical practices, such as films, workshops and interaction with experts. These encourage discussions on a range of issues beyond the classroom. Another important enrichment of the teaching-learning process is the use of field trips.
- The classroom being an interactive space, students are expected to contribute their own perspectives to discussions and question established forms of knowledge. Classroom presentations by students using e-resources are an integral part of the teaching-learning process for many faculties. Presentations often are collaborative endeavors, with students complementing each other's strengths and learning from peers.
- The faculty use creative methods of evaluation to strike the right balance between following norms and yet customizing the evaluation process to take into account the differing capabilities and needs of a heterogeneous student body. The aim is to find out how much of a subject has been imbibed, as well the skill sets that a student has acquired.
- Students are encouraged to take the initiative to bring out journalistic papers which enables them to gain practical experience in editing and peer-reviewing. The college fosters an interdisciplinary approach to teaching-learning by holding joint seminars by two or more departments. Providing avenues for internship assists students in self learning then they work with research institutes and in research projects in famed institutions.

#### **2.3.5 What is the College policy on inviting experts / people of eminence to provide lectures/seminars for students?**

All Departments engage in conducting seminars, workshops and association level activities where opportunities to invite resource persons on specific field of study are possible. More than 180 such lectures/ seminars/ panel discussions were arranged in college by various departments. The college pays an honorarium, arranges for local accommodation at ArrupeNivas and extends hospitality. Several eminent personalities have visited the college during the past four years. When it is known that an eminent scholar is in the city for an academic work then faculty members are known to them invite them to college. The college is proposing to have 'scholar on campus' program soon. The following list is a select list of representatives. more detailed information is available in

department evaluative reports. The following table presents a sample of names of resource persons from different depts. More details are available in the departmental profiles.

**Table 2.8: Select List Of ‘People Of Eminence’ Invited To College**

2012-13	Dr. Thimappa Hegde	Dean of Neurosciences at Narayana Hrudayalaya.
	Mr. Pu Lalrokhuma Pachau,	Director General and the Inspector General of Police, Karnataka
2013-14	Oscar Fernandes,	Union Minister for Rural Transport and Highways
	Dr Gulshan Relhan	Former Scientific Advisor , visiting scientist at Bhabha Atomic Research Centre, Mumbai
2014-15	Dr. Deviprasad Shetty.	Founder, Narayana Hrudayala
	Dr. Shakeel Ahmad	Deputy Secretary, University Grants Commission (UGC)
2015-16	Shri Shankarappa	Director of the Department of Collegiate Education, Government of Karnataka
	Syed Kirmani.	cricketer
2016-17	Dr Shiv Vishvanath	O P Jindal Global University Eminent Social Scientist
	Dr C.N.R. Rao	Bharat Ratna, scientist par excellence.

**Table 2.9: Select List of ‘People of Eminence’ Invited by Departments**

Department	Resource person	Field of expertise / Designation	Institutions
Botany	Dr. K.M Mathew	Membrane Biophysics	NCBS, TIFR, Bangalore
	Dr. R.R. Rao,	Ethnobotany	CIMAP & ex director BSI, Kolkata
Chemistry	Dr. Aninda Bhattacharya	Solid State and Structural Chemistry	Indian Institute Of Science, Bangalore.
	Dr. Gulshan Relhan	Nuclear Sciences	Bhabha Atomic Research Centre, Mumbai
Economics	Bruce Stokes	Global Economic Attitudes	Pew Research Center
	Dr. C R Mohan	Currency Management	Reserve Bank of India RBI
Environment	S. Kartikeyan,	Chief Naturalist	Jungle Lodges, Karnataka Forest department
	Dr. Savitri Sambamurthy	Ayurveda	Ayurveda Academy
Microbiology	Dr. Mary Dias	Infectious Diseases	Dept. of Microbiology, St John’s Medical College, Bengaluru
	Dr. Sandhya S. Visweswariah	Molecular Reproduction	Dept. of Molecular Reproduction Development and Genetics, IISc, Bengaluru
Psychology	Dr. Ashok	Organizational Psychology	Dept Of Psychology Bangalore University
Communication	Sanjana Bhatt	Art Director	Stirred Creative
	John Crowley	Editor in Chief	International Business Times, UK
Social work	Swami Agnivesh	Religious	Arya Samaj Movement



	Mr. Thangarajan	Information Commissioner	Govt of Karnataka
Statistics	Mr. Krishna Prasad	Consultant	Fractal Analytics
	Mr. Sandeepa MS	Data Scientist	Cognizant Technology Solutions
Political science	Dr. M. Amarjeet Singh	North East Studies	Jamia MiliaIslamia (University)
	Mr. Ashraf Haidari	Deputy of Chief Missions	Afghanistan
Biotechnology	Dr. Ramamohan	Regulatory and Scientific affairs lead	Monsanto India
	Prof. John Kirby	Applied Immunology and Transplantation research group	Newcastle University UK

**2.3.6 What are the latest technologies and facilities used by the faculty for effective teaching? Ex: Virtual laboratories, e-learning, open educational resources, mobile education, etc.**

Most of the classrooms are equipped with LCD projectors. The computer science dept. considers the completion of MOOC courses for credits. Students and faculty members have registered and been given user id and pass words and make use of the electronic library *Inflibnet*. The Physics department uses MOODLE to structure a significant part of the coursework. The English and Political Science department requires students to run individual and class blogs for certain courses. Software such as SPSS, STATA, R, MATLAB, Tally and Wings are also used to teach subjects long with programs.

**2.3.7. Is there a provision for the services of counselors / mentors/ advisors for each class or group of students for academic, personal and psycho-socio guidance? If yes, give details of the process and the number of students who have benefitted.**

Yes, the college has provision for providing the services of counselors and mentors as the college is concerned about the mental health and well-being of students. It believes that any problem of this nature adversely affects students' experience of learning and that of being in the campus.

**Mentor:** Each class has a mentor; the mentors contribute to the total development of the students and help them to attain their academic cultural and sport potential. These mentors begin their association with students during their first year of joining college and journey with them till they complete the course. The mentors collect personal details of students and interact with them on a regular basis. Mentors are the supportive link between the student and the department. Mentors know their students well and provide specific and individualized guidance to them. The mentors keep track of academic performance of the students, their regularity and punctuality and their participation in various college activities. They act as guides to them and refer them to college counselors in case the student requires counseling help.

**Welfare Officers:** Besides the mentors, the college has the system of welfare officers both for boys and girls separately for the social sciences and humanities, commerce, sciences, post graduates and for the communication sections and they address the needs of students when they have any personal or attendance related issues which is beyond those allotted to the mentors like sickness for a long time or other personal issues like death of a dear one or visiting some countries for some competition or research.

**Counselors:** Since the mentor is in close contact with their mentees, they may chance upon conditions that warrant the need of meeting counselors. The college has four

counselors who function from each of the three blocks. Many senior teachers are also trained counselors and provide assistance to students in additions to the designated counselors. They provide academic and personal help to the needy. Many students meet them to find help on their personal matters. On academic matters students usually meet their subject teachers who are approachable and available on campus during the entire day. Students also meet the head of the department in case they need any academic help. The counselors maintain case diary and follow up if required.

**Peer Counseling:** The counselors have begun what is known as ‘peer counseling’ where students who have benefited from counseling address classes on their free will and encourage students to seek help of counselors. More than two hundred students have benefited from counseling services during this academic year alone.

**.3.8 Are there any innovative teaching approaches/methods/ practices adopted/put to use by the faculty during the last four years? If yes, did they improve the learning? What methods were used to evaluate the impact of such practices? What are the efforts made by the institution in giving the faculty due recognition for innovation in teaching?**

The college has believed that being innovative in pedagogical practices is what makes teaching learning a good experience both for the teacher and the student. It’s a challenge to the teacher to be creative and for the students to challenge their known practices of learning thus making both the teacher and the student a learner and making the whole system learning centric rather than being student centric. Most departments in college have experimented with known methods or with methods that have been created to suit their class room requirements.

- The Economics department makes use case studies, management games, gives individual assignments based on field work, country studies, screens movies, mandates use of Library and Infilbnetfor assignments, and uses the services of PG students for teaching and conducting exams for first year undergraduate students who need remedial work. The post graduate course has introduced practical exams for learning software programs such as SPSS, STATA, Excel and R to enable them to use it effectively without wasting time during their dissertation work. Internship and dissertation is compulsory. The department has organized nearly thrifty five lectures by external resource persons during the last four years.
- The department of English uses the dialogic method, seminars, tutorials, social media interface and audio visual teaching aids.
- The Botany department undertakes visits to well-known laboratories to expose students to the advances made in research
- The Environmental Science department uses peer teaching, Colloquim, You tube, Ted x talk, Infibnet, field visits, student’s videography of Environment issues, compulsory dissertation and taking part in rallies.
- The Electronics department gives opportunities to build projects based on using latest techniques.
- The Mathematics department uses digital resources from You Tube and uses software to make classes innovative.
- The Psychology department uses games and activities, field exposures, street plays quiz and movie reviews
- The Sociology Department engages student in conducting field based studies and chronicle social issues in their publications.
- The Social Work department uses a wide variety of teaching methods ranging from community programs, research studies, case study analysis, policy and societal analysis,

role plays taking part in rallies besides other common methods to make classes innovative.

- The Political Science department organizes a large number of lectures, symposium, panel discussions and talk by external resource person as a part of their innovative method of teaching they have organized nearly fifty such activities during the last four years. Besides they have taken students on field trips to learn about the working of various institutions. Post graduate student have a compulsory internship and dissertation.
- Commerce department besides using case studies also uses practical cases in class rooms.
- The Computer Science students complete online certificate courses such as MOOC in place of assignments. This allows the students to learn new techniques, methods and practical application of knowledge in the respective topics.
- The Physics department made use of Moodle (Learning Management System) for two lab courses and the Computer Algebra System to demonstrate mathematical concepts.
- The Chemistry department ensures student-centric learning through POGIL and RBPT. Several departments have incorporated industrial visits and ICT enabled practical classes in their pedagogy.
- The physics department uses MOODLE and interesting experiments to making teaching interesting
- The Biotechnology department arranges for Virtual Lab experimentation, Industrial mentor based programme conducted by Curricular, interaction with Biotech Industry experts, interactions with farmers at GKVK and KrishiMela Zoology students undertake field visits to understand animal man conflicts.
- The big data analytics course has an Industrial mentor based unit in its curriculum.

### **2.3.9 How does the College create a culture of instilling and nurturing creativity and scientific temper among the learners?**

The college views education as a transformative experience. The pedagogy that is employed in class rooms is expected to stimulate their creative and critical thinking. Sustained efforts are made to encourage critical and creativity thinking among students.

- Students are encouraged to take up term papers, research projects under the mentorship of faculty members and are trained in quantitative and qualitative research methods. Students are exposed to a range of pedagogical practices through interaction with teachers and during their internship with research institutes.
- Several assignments are creative in nature but at the same time follow known scientific methods of research. Students are encouraged to read widely and engage not just with the text but with the larger context.
- Classroom discussions allow for different kinds of subjects to be introduced, interrogated and debated. Guest lectures and seminars often provide a window to listen to research based lectures.
- Encouraging students to organize and participate in several co-curricular and extracurricular activities help them to be both scientific and creative as they learn both managerial skills and learn to question the way things are done.
- Papers on research methodology, certificate course on research methods in sciences and dissertations are other methods to encourage scientific temper.
- The Biotechnology organized a visit to TATA tea factory, Kodagu as part of the Industrial visit, organized a one-day workshop on Biochemical techniques –2015
- Set up innovative models for the visit by government school student from rural sectors at Tackle fest, and organized industrial visits to Labland Mysore with Student training, to

Defense food research laboratory, to Drosophila stock lab, Mysore University, and to GKVK, Commerce - Seminar on emerging trends in marketing, EMPORIO an inter college business meet.

- The Sociology department organized visits to villages around Bangalore, and tribal visit to Yercaud. A plethora of extracurricular activities is available to students, to hone their talents in diverse fields as dance, dramatics, public speaking, photography, creative writing and art.

### **2.3.10: Does the College consider student projects a mandatory part of the learning programme? If so, for how many programs is it made mandatory?**

#### **\* Number of projects executed within the College**

- Teaching undergraduate students, the basic skills of research is viewed as necessary in this age of rapid advancement in science and technology and changes taking place in society. To meet this need the college introduced the Term Paper concept in 2008. This mandates that all undergraduate students must choose a research supervisor who guides them in the student's area of academic interest. This term paper has four credits and is carried out in the third year.

- The undergraduate environmental sciences students have to undertake a project in their final year.

- All four post graduate courses in social sciences namely Economics; English, Political Science and Social Work have to undertake mandatory research work in the form of a dissertation to successfully complete their course. All students have to complete their viva voce to defend their research work to successfully complete their course.

- Students from the post graduate Economics department and Political Science have a compulsory internship program of 8 weeks which results in report writing.

- The post graduate students of microbiology do their fourth semester as internship

- Students from social work, work with NGOS and other organizations.

- Students from the science courses too work in research labs during the summer as interns resulting in project writing. In all cases faculty is engaged in guiding students for their research work. Working in other research institutes instills in many students the need to pursue research later.

#### **\* Number of projects executed within the College**

Since it is mandatory for all final years undergraduate students to write a term paper for the completion of the course, the number of term papers written is large. So is the number of projects for PG program where internship/ dissertation is mandatory.

#### **\* Names of external institutions associated with the College for student project work**

Several research institutions of local, national and international importance help students in carrying out their research and in writing a project. Institutes such as NIAS, IISC, ISEC, IIM, ISRO, NCBS and several institutions.

#### **\* Role of the faculty in facilitating such projects**

- All undergraduate students have to register with faculty to pursue their research activities in the form of term paper. Thus almost all teachers are engaged with research work on campus. Teachers guiding research projects help students in identifying a research problem and help them to follow scientific methods.

- For social sciences students the Department of Economics conducted a day's workshop on research methods to help undergraduate students into research. In departments like Economics dissertation work follows a time line and spread over the last semester of the post graduate course to ensure that all students' complete work on time and also the teachers are able to closely monitor their work.

- Other departments journey with students during their literature survey work Science teachers assist them in conducting experiments in labs.

**2.3.11. What efforts are made to facilitate the faculty in learning / handling computer-aided teaching/ learning materials? What are the facilities available in the College for such efforts?**

All teachers are computer users. Many of them create their own resources or creatively use the available resources and often students download online materials for making their presentations as well. The college has provided computers to all department staff room. Besides the college has studios which faculty can make use of.

**2.3.12 Does the College have a mechanism for evaluation of teachers by the students / alumni? If yes, how is the evaluation used in achieving qualitative improvement in the teaching-learning process?**

Collecting feedback from students about individual teachers is an important activity of improving the quality of teaching. Every year, students provide feedback on the teachers who teach them. Three years ago, a shift was made from collecting the feedback on paper to online forms. The data is collated and a printed copy is given to the individual teachers by the principal with individual counseling to enable them to improve their strengths. This process puts the responsibility on individual teacher to improve his/her own area where the scores are low and strengthen their strong areas further. This improves teacher quality which in turns improves the quality of teaching and research.

Yes, a feedback has been collected online by the IQAC from 426 alumni across class and year, and they have given positive feedback about their teachers who taught them while at college and they have good memories of the college mainly due to the quality of the faculty.

**2.3.13. Does the institution face any challenges in completing the curriculum within the planned time frame and calendar? If yes elaborate on the challenges encountered and the institutional approaches to overcome these.**

The academic calendar is monitored by heads of departments and by the COE. The conduct of regular staff council meetings has ensured that the given curriculum is completed on time. The syllabus is framed keeping the realistic number of hours available to complete it as the college has to balance academics with extracurricular activities. Since it is well planned and monitored, the departments do not face challenge in completing the curriculum. Student class presentations and interactive classroom discussions often require a large amount of time which is difficult to spare at times requiring scheduling of extra classes to complete the syllabus by the concerned department.

Occasionally when unexpected holidays or shut downs are declared, the college either extends the length of the semester, or the timetable is modified for a week or two to enable the faculty to make up for the missed classes.

**2.3.14. How are library resources used to augment the teaching-learning process?**

Library as a resource is used by teachers to give students assignments like book reviews, reviews of journal articles, writing term papers, asked to look up online resources. Many students are registered users of INFILBNET and the college is currently one of the top users of INFILBNET. Many departments also have departmental library thus giving greater access to library books of student choice with guidance from faculty which is a good experience for students.

### **2.3.15. How does the institution continuously monitor, evaluate and report on the quality of teaching, teaching methods used, classroom environments and the effect on student performance.**

There is a constant monitoring of the quality of teaching-learning at various levels.

- At the departmental meetings, the faculty discusses student performance and analyzes attendance records of students. It is here those faculties share their experiences of class room pedagogy, class room environment and seek each other help in understanding these issues better. These enable the faculty to gauge the effectiveness of their pedagogical practices and make required adjustments. Question papers, assignments given, industrial visits to be undertaken, topics for seminars and guest lectures are all discussed in these departmental meetings.

- Staff council meeting is held once in two months to discuss these issues. Heads of all departments, coordinators of post graduate departments, welfare officers along with the Principal collectively discuss these issues put forth and necessary actions are taken.

A detailed analysis of the results of the students in the Semester examination is discussed by the Staff Council after the reopening of the following semester with discussions on how it could be improved when issues of quality arise.

- The subject teacher ensures that assignments and projects are carried out on a regular basis and results are uploaded for students to check their marks. Class mentors closely monitor student's performance, talk to them guide them and counsel them if necessary.

- Any student requiring personal help as identified by the subject teachers or mentor is guided to meet the welfare officer/ counselor. Those who have not attended the stipulated minimum number of classes and tutorials are counseled and if still found wanting, they are debarred from taking the end Semester examinations.

- Many faculty members request written feedback from student and also gather feedback informally. Further, the college has a web-based feedback form to assess the teaching-learning methodologies and the infrastructural and other student resources available, administered at the end of each semester. The reports are shared by the principal with the individual teacher.

## **2.4 TEACHER QUALITY**

Teachers in the college function as teachers, mentors, welfare officers, deans, grievance redressal officers, counselors and head several committees. While some are creative, some analytical and some desire to provide counseling and others are engaged in high end research. This diversity, quality and commitment of the faculty are the strengths of the college.

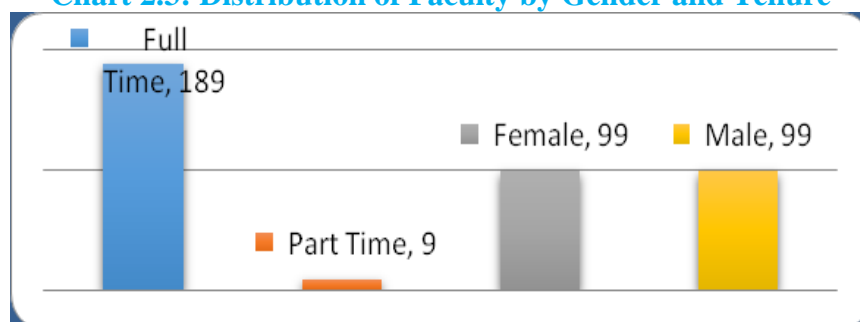
### **2.4.1 What is the faculty strength of the College? How many positions are filled against the sanctioned strength? How many of them are from outside the state?**

All posts are filled against the sanctioned and required strength. The faculty strength of the college is 199. 95.45 % of the positions are full time in nature while 4.5% are part-time positions. The distribution of faculty by gender is equal with 50% females and 50% males. (40) 20.2% of the faculty have completed their post-graduation from the same college, (51) 25.75% from the Bangalore university, (46)30.8% have completed their post-graduation from other universities and (61)30.8% are from universities of other states. This is presented in Table 2.12.

Faculty members from other states include Tamil Nadu, Kerala, Andhra Pradesh, Maharashtra, West Bengal, Bihar, Madhya Pradesh, New Delhi, Jharkhand, Gujarat, Uttar

Pradesh, Manipur and Assam. Table 2.10 presents department wise detailed information on faculty strength.

**Chart 2.3: Distribution of Faculty by Gender and Tenure**



**Table 2.10: Faculty Strength of the College**

Departments	Total	Departments	Total
Big Data Analysis	1	History	3
Bio technology	3	Industrial Relations	1
Botany	15	Kannada	3
Chemistry	22	Library Staff	3
Commerce	9	Mathematics	12
Communications	13	Microbiology	8
Computer Science	13	Physical Instruction	3
Economics	8	Physics	14
Electronics	5	Political Science	5
English	21	Psychology	4
Environmental Sc	2	Sanskrit	1
French	1	Social Work	9
German	2	Sociology	3
Hindi	3	Statistics	2
History	3	Tamil	1
Industrial Relations	1	Zoology	8

#### 2.4.2. How are the members of the faculty selected?

The work load of the courses, introduction of new courses, superannuation of teachers or teacher's resignations necessities recruitment of new teachers. The head of the department taking these into considerations gives in writing to the principal the need for additional staff. The Director or Jesuit principal informs the vice president of the BJES of the vacancies and with his approval starts the recruitment process, which includes issuing advertisements, inviting applications and holding interviews. The minimum requirement is post-graduation in the concerned subject but advertisements explicitly indicate that candidates with PhD and NET are preferred.

Each institution under BJES (Bangalore Jesuit Educational Society) has the same standard format for evaluating the candidates during the personal interview. The panel consists of the head of the department, subject experts, and a management representative. The applicant is informed beforehand to come prepared for a demonstration class. After

the interview, each committee member of the interview board (which includes Head of the Department (HOD), subject expert, principal and vice president of the society or his representative) records the marks in the evaluation form individually, sign it and submit it to the principal in a sealed envelope. The sealed envelopes are submitted to the Vice president/ Rector who then submits them to the governing body for approval.

### Selection Process of Part Time/ Temporary Staff

According to the BJES rules, if the principal is a Jesuit, he is empowered to appoint part time and temporary staff under intimation to the vice president. If the principal is a lay person, then the Jesuit director may appoint the part time or temporary staff. According to the rules, a non-Jesuit principal is not authorized to appoint any staff member or issue any letter of appointment. However till now the college has not appointed any non-Jesuit principal.

### 2.4.3 Furnish details of the faculty

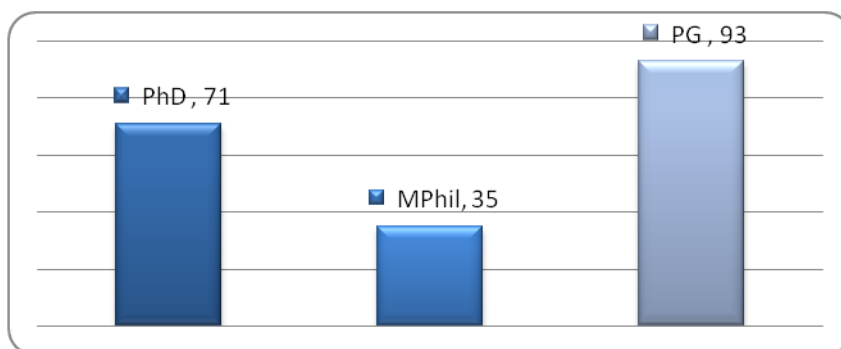
The college has 61 aided associate professors and 2 assistant professors. There are 5 associate professors under the management aided category and 122 Assistant professors.

**Table 2.11: Distribution of Faculty by Designation, Qualification and NET/SLET**

Highest qualification	Professor		Associate professor		Assistant professor		Total
	Male	Female	Male	Female	Male	Female	
<b>Permanent teachers</b>							
PhD	None	None	23	13	1	0	37
MPhil	None	None	9	5	1	0	15
PG	None	None	6	3	0	0	9
NET	None	0	0	0	0	0	0
SLET	None	None	3	0	0	0	61
<b>Temporary teachers</b>							
PhD	None	None	3	2	16	13	34
MPhil	None	None	1	0	2	17	20
PG	None	None	0	0	32	42	74
NET			1	1	11	19	32
SLET	None	None	0	1	8	7	16
<b>Part Time Teachers</b>							
PhD	None	None	0	0	0	0	0
MPhil	None	None	0	0	0	0	0
PG	None	None	0	0	5	4	9
NET	0	0	0	0	0	0	0
SLET	0	0	0	0	1	0	1
Total (excluding NET)	0	0	42	23	57	76	198

**Chart 2.4: Distribution of Faculty by Qualification**

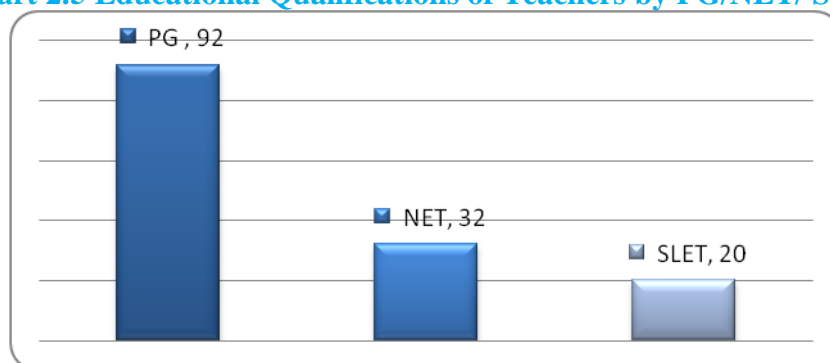




**2.4.4 What percentage of the teachers have completed UGC-CSIR-NET, UGC-NET, and SLET exams? In that what percentage of teachers are with PG as highest qualification?**

1.5% of the aided faculty have cleared SLET 16% of the management aided faculty have cleared NET while 8% of the management aided faculty have cleared SLET AND .5% of the part time faculty have cleared NET

**Chart 2.5 Educational Qualifications of Teachers by PG/NET/ SLET**



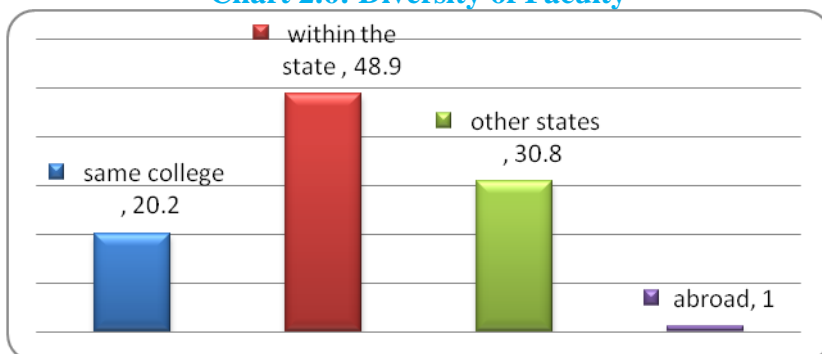
**2.4.5 Does the College encourage diversity in its faculty recruitment? Provide the following departments-wise details**

Yes the college has diversity in its faculty recruitment. This is seen in the table below. 20.2 % is from the same college, 48.9 % are from other colleges within the state and 28% of faculty are from other states. Two members had their studies abroad. Faculty members outside Karnataka have pursued their education from institutions located in Tamil Nadu, Kerala, Andhra Pradesh, Maharashtra, West Bengal, Bihar, Madhya Pradesh, New Delhi, Jharkhand, Gujarat, Uttar Pradesh, Manipur and Assam. All positions are filled up against the sanctioned strength. Most of the positions are full time in nature. Part-time positions are created only when the number of teaching hours per week is less than 14 hours per week which not enough to create a full time position. Thus the composition of faculty is truly cosmopolitan.

**Table 2.12: Distribution of Faculty by Diversity of Institutions**

SN	Department	%of faculty who are product of same college	%of faculty from other colleges within the state	%of faculty from other states	%of faculty from abroad	Total
1.	Big Data Analytics	0	1	0	0	1
2.	Biotechnology	1	2	0	0	3
3.	Botany	6	5	4	0	15
4.	Chemistry	3	10	9	0	22
5.	Commerce	0	8	1	0	9
6.	Communication	3	8	2	0	13
7.	Computer Science	3	6	4	0	13
8.	Economics	1	3	4	0	8
9.	Electronics	0	4	1	0	5
10.	English	8	6	6	1	21
11.	Environmental Sc	0	1	1	0	2
12.	French	0	0	1	0	1
13.	German	0	2	0	0	2
14.	Hindi	0	2	1	0	3
15.	History	0	3	0	0	3
16.	Industrial rel	1	0	0	0	1
17.	Kannada	0	3	0	0	3
18.	Library	0	3	0	0	3
19.	Mathematics	1	9	2	0	12
20.	Microbiology	4	1	3	0	8
21.	Physical Ed	0	2	1	0	3
22.	Physics	0	4	10	0	14
23.	Political Sc	2	0	3	0	5
24.	Psychology	0	3	1	0	4
25.	Sanskrit	0	1	0	0	1
26.	Social Work	3	1	2	1	9
27.	Sociology	2	1	0	0	3
28.	Statistics	0	2	0	0	2
29.	Tamil	0	0	1	0	1
30.	Zoology	2	3	3	0	8
	Total	40(20.2%)	96(48%)	60(30.8%)	2(1%)	198

**Chart 2.6: Diversity of Faculty**



**2.4.6 Does the College have the required number of qualified and competent teachers to handle all the courses for all departments? If not, how do you cope with the requirements? How many faculty members were appointed during the last four years?**

The college has always had the required number of qualified faculty to handle courses. Care is taken during recruitment to ensure that only teachers with required qualifications are taken. Preference is given to selecting candidates holding PhD degree, followed by NET/SLET qualified and only if a suitable candidate is not available, then post graduates are taken in. The college has not had the problem of being able to get qualified faculty members as the salary paid is close to the UGC scales. However one of the challenges the college faces is that after the Karnataka government has stopped appointment of teachers in private aided colleges attrition has increased as better job prospects both in private universities and in the corporate sector are available in the city of Bangalore. Almost all departments have had to appoint new faculty members due to this attrition. The foot note explains the reason for appointment.

**Table 2.13: New Faculty Members Appointed**

	Big Data Analysis	1(N)	Industrial relations	0
1.	Biotechnology	0	Kannada	2(A)
2.	Botany	4(S+A)	Library Staff	1(N)
3.	Chemistry	5(R+A)	Mathematics	7(N)
4.	Commerce	9(N)	Microbiology	2(A)
5.	Communications and B Voc	8(A+N)	Physical Instruction	1(N)
6.	Computer Science and BCA	4(A)	Physics	6(R+A)
7.	Economics	3(A+R+N)	Political Science	3(A+N)
8.	Electronics	2(R+A)	Psychology	4(N)
9.	English	11(A+N)	Sanskrit	1(R)
10.	Environmental science	0	Social Work	7(A)
11.	French	1(A)	Sociology	1(R)
12.	German	1(N)	Statistics	1(A)
13.	Hindi	1(A)	Tamil	1(R)
	History	2(R)	Zoology	4(R+A)

*Note: A-attrition, N- new course , R- retirement*

**2.4.7 How many visiting Professors are on the rolls of the College?**

The department of communication has four visiting faculty in their specialized area of work relating to film making animation.

#### **2.4.8 What policies/systems are in place to recharge teachers? (eg: providing research grants, study leave, nomination to national/ international conferences/Seminars, in-service training, organizing national/international conferences etc.)**

The members of the faculty are guided towards attending seminars and workshops to recharge themselves. When invitations are sent to the college the principal informs the concerned department and then members if they choose to attend program they are given permission, leave and registration fees. The aided faculties are required to attend refresher courses conducted by the Academic Staff College if required for their career progression. Unaided management teachers update their knowledge by writing, publishing and attending seminar and workshops.

Besides regular departmental meeting on research activities of the academic year are conducted and faculty of the Botany and Chemistry department are PhD guides to the faculty members within the department and other departments of the college. In other departments where dissertations are compulsory teachers keep abreast with knowledge by guiding students in their research work.

#### **2.4.9 Give the number of faculty who received awards / recognitions for excellence in teaching at the state, national and international level during the last four years.**

1. Botany: Dr. Jayaram Reddy Eminent scientist award- (by The National Environmental Science Academy (NESAC, New Delhi).2015
2. Communication: Mr. Johnson Rajkumar: Certified by National Film Archive of India and International Federation of Film Archive, Belgium on Film Preservation and Restoration 2016.
3. Communication: Johnson Rajkumar: Named among the top 25 'Teachers Transforming the Landscape of Education' in India by the magazine, Campus Diaries 2016.
4. Environmental science: Dr.M.R.E. Wilson received an Appreciation Award "Guru Vandana", honored by Rotary Bangalore South and Karnataka Civil Defense Corps for the dedicated service in the field of Environmental Science. The award was conferred by His Excellency Dr.Hansraj Bharadwaj, The Governor of Karnataka, on the occasion of Teachers Day Celebration held at Dayananda Sagar Institutions, Bangalore on the 28th September 2013.
5. Social work: Mr. Kiran Jeevan – The Center for Social Justice Award, instituted by Saint Louis University, MO USA
6. Social work: Lt.Akshay DM – Best in Drill, Best Contingent Commander, Best in Theme Performance, Best in Weapon, Training (Silver Medal).
7. Social work:Lt. Akshay DM, AMI of KAR ARMD SQN selected as officer in charge of the KAR&GOA Directorate's RDC 2017 Contingent.
8. Awarded Deputy Director General Commendation card
9. ANO in charge of Karnataka and Goa Directorate for Republic Day Camp 2017
10. All India runners up at Prime Minister's Rally, Republic day camp 2016
11. Performed at BRICS Summit 2016 GOA
12. Social work: Prof. YJ Rajendra – Ashoka Fellow
13. Johnson Rajkumar -granted Rs 3.3 lakhs for research, production and post production of a film role of women organization in patriarchal society of Manipur under film funding project supported by Films Division, Ministry of Information & Broadcasting, and Government of India. Out of 167 proposals received from across the country, 9 films have been selected.

**2.4.10 Provide the number of faculty who have undergone staff development programs during the last four years. (Add any other programme if necessary).**

All teachers in the college have attended training/ enrichment program/orientation program throughout the four years. All management teachers necessarily go through orientation and most of them also go through HRD training. The entire attend talks of general interest including that of gender sensitization and intellectual property rights.

**Table 2.14: Participation in Staff Development Programs**

<b>Academic staff development program</b>	<b>Number of faculty</b>
Refresher courses	5
HRD programs	100+
Orientation programs	123+
Staff training conducted by the College	197
Staff training conducted by University/ other Colleges	25+
Summer / winter schools, workshops, etc.	15+
Any other (please Specify )NAAC-AQAR	69(teachers who joined college after the last accreditation in 2012)

**2.4.11.What percentage of the faculty have**

\*been invited as resource persons in Workshops / Seminars / Conferences organized by external professional agencies :20% of the senior faculty have been invited as resource persons for seminars/ workshops

\* participated in external Workshops / Seminars / Conferences recognized by national/ international professional bodies:50% of teachers have attended at least one seminar/ workshops

\* presented papers in Workshops / Seminars / Conferences conducted or recognized by professional agencies :20% teachers have presented papers in seminars workshops/conferences

\* Teaching experience in other universities / national institutions and others: many teachers who have joined as management staff have had experiences in teaching in other colleges and universities.

\* industrial engagement: five teachers have had industrial engagement

\* international experience in teaching: In last four year the college has started certain exchange programs. A MOU has been signed between Seattle University, US and St. Joseph's College. There has been other similar Australian Jesuit University. Five teachers have had experience in teaching in other universities outside the country

**2.4.12 How often does the College organize academic development programs for its faculty, leading to enrichment of teaching-learning process?**

\* Curricular Development

Teaching-learning methods

\* Examination reforms -

\* Content / knowledge management

\* Any other (please specify)

- The college has many senior teachers who are well trained in curriculum development and many of them are members of Board of Studies of other city colleges and are also invited as resource persons on curriculum development and related areas. This has the advantage of providing departmental level training to the younger faculty as and when required.
- Formal training on examination reform is shared with all faculties by the Controller of Examinations as and when required. The college has conducted training on Bloom's Taxonomy of education objectives some time in 2012-13. Since many new teachers have joined the college recently, the college proposes to provide this training some time in this academic year.
- As far as knowledge management is concerned, the college had organized two lectures on intellectual property rights during these four years for all faculties.
- Continuous discussions happen on this issue as many teachers are guiding students to complete their research work both at the UG PG level.
- Talks of enlightening nature, on leadership have been held earlier during this period. Teachers attend the several seminars that are organized in college from time to time for keeping themselves abreast of advances in their subjects or for acquiring knowledge in newer areas.

#### **.4.13. What are the teaching innovations made during the last five years? How are innovations rewarded?**

Whenever a teacher has been granted a research project or has made a significant contribution like guiding a research scholar for a doctoral degree or has contributed to the college's efficient working in some way they are acknowledged by putting up a notice on the staff notice board, entries are made in the college magazine and also shared by the principal during the college day.

#### **2.4.14 Does the College have a mechanism to encourage**

**\* Mobility of faculty between institutions for teaching?**

**\* Faculty exchange programs with national and international bodies?**

**If yes, how have these schemes helped in enriching quality of the faculty?**

The College does not have a mechanism to encourage mobility among institutions as it is not possible within the given university and Govt of Karnataka rules. Faculty exchange between universities is done on the basis of Memorandum of Understanding signed between them. However teacher researchers do go abroad during holidays and teach in universities or carryout research during their international visits.

#### **2.5. Evaluation Process and Reforms**

Evaluation is central to the teaching learning process. Continuously improving the quality of this process ensures that the college is able to meet its educational and social objectives set for the in its vision and mission statements. The college has completed ten years of autonomy and each year has seen efforts being put in to improve the evaluation system. Today the college has a well working evaluation system which is appreciated by the student body and faculty.

Several colleges in the city and outside have visited the college to gain insights into its working processes. A review of the evaluation process was conducted from teachers of all departments, and data was collected from a random sample of 300 students using a survey questionnaire during the academic year 2016-16. The results are encouraging and motivates the college to improve its evaluation system further. Suggestions which are implementable by the COE office have been incorporated and put into force. Other

suggestions requiring permissions from the Governing council and finance committee for further actions will be taken up during the next meeting of the governing council. Similar feedback has been collected on infrastructure and services which included questions on administrative aspects of examinations has also been done and the COE office is making suitable changes.

### **2.5.1. How does the institution ensure that the stakeholders of the institution especially students and faculty are aware of the evaluation processes that are operative?**

As stakeholders, students and teachers are fully aware of the working of the evaluation system in the college. The Student Handbook describes in detail the evaluation process as this sets the road map for students to plan their academic career in college.

- The college follows the Credit Grade Based Performance Assessment (CGPA) for all courses conducted in the college.
- The student hand book contains all details regarding the evaluation system followed, the system of continuous assessment and end semester examination with its weighted average.
- It also contains details about marks required for passing, common rules such as 75% attendance requirements; make up tests, improvement examination, and promotion to the next semester, revaluation and challenge evaluation, practical examinations, supplementary and special supplementary, rank certificate, foundation course and evaluation pattern. Thus students are aware of the evaluation system before the commencement of the academic year during the orientation program, way of going through the student handbook and subject teachers also educate students about the system.
- Teachers are informed of any changes in the evaluation system during Department Meetings, General Body Meetings, Board of Studies meetings, Academic council meetings and Board of Examiners meetings are occasions for the college to share the evaluation process as well as the details of any new reforms that might have been introduced.

### **2.5.2. What are the major evaluation reforms initiated by the College and to what extent have they been implemented in the College? Cite a few examples which have positively impacted the evaluation management system?**

St Joseph's College has made efforts to innovate and accurately assess the learning process of students. Since the college is affiliated to the Bangalore University, it is obliged to adhere to the evaluation pattern suggested by the university.

- The college policy on assessment is to have flexibility and diversity so that different capabilities and needs of the students are catered to by teachers also who have different kinds of skills.
- The assessment system is geared towards mapping individual differences in performance (written/oral expression, comprehensiveness and accuracy of information, analysis and coherence of presentation). At the same time, it takes into account the individual student's progression/improvement over time on the performance parameters and gives quantitative and qualitative credit for the same.
- Multiple written assignments (class/home) are arranged for the students to help them enhance their writing skills, prepare for examinations and improve their performance.
- Other kinds of creative evaluative strategies, like oral tests, quizzes, objective tests are also used. For both assignments and projects, students are encouraged to explore and

research on topics beyond the curricula. They are also encouraged to make presentations on their topics to help them hone their presentation skills and confidence.

### **Major evaluation reforms of the university:**

The college adheres to the Bangalore university norms whenever communicated. The latest was to introduce 30 internal marks and 70 for semester examination marks. The corresponding changes have been introduced in the college evaluation system. Thus the college from the academic 2016-17 conducts its end semester examination for 70 marks only and 30 marks from CIA activity.

**Reforms initiated by the institution on its own:** The College has been innovative in making its evaluation processes more effective, more organized, increasing accountability, less time consuming, increasing the benefits to students, making it more inclusive, minimizing resource wastage, making it error free, more efficient utilization of faculty resources and time and over all making the evaluation process a well planned and executed in meeting the vision and mission of the college. Improving the quality of the evaluation process has been central to the teaching learning process in the college.

- To achieve these objectives continuous feedback is collected from BOS meetings, preparation of the question paper setting, and conduct of examinations and evaluation process. The inputs are shared during staff council meetings and actions are planned which are then put forward by the COE at the following staff council meeting after further discussions in the examination committee and suitable actions are then planned for the conduct of the next examinations. This set of planned activities if of a major nature are then introduced to the Governing Council where the final changes are made and sanctions are obtained for executing them. Once this permission is obtained, the COEs office executes them through his directives.
- The other efforts have been to help students in terms of completing the courses and reducing drop outs, regularization of BOS meetings, making question paper setting more inclusive, making evaluation of papers more efficient, making examination system more secretive, reducing administrative burden by evolving more efficient methods in the conduct of examination.

### **2.5.3 What measures have been taken by the institution for continuous evaluation of students and ensuring their progress and improved performance?**

The college has been following internal assignments and tests to ensure that students undergo the continuous learning cycle and are aware of the examination system. Their results are monitored by the mentors and HODs discuss student performance with their faculty members thus getting information of the functioning and also planning changes if required. Based on these the departments design their remedial classes.

### **2.5.4 What percentage of marks is earmarked for continuous internal assessment? Indicate the mechanisms strategized to ensure rigor of the internal assessment process?**

**Table 2.15: Marks Allotted for Continuous Internal Assessment**

Year	Percentage of marks earmarked for CIA	
	Theory	Practicals
2012 admission	50	50
2013 admission	50	50
2014 admission	50	50



2015 admission	30	70
2016 admission	30	70

The weightages mentioned in the table are applicable for both undergraduate and post graduate courses. From 2015 admissions onwards, the CIA weightage has been reduced to 30% in accordance with Bangalore University rules.

The various methods used for assessing internal assessment are

Seminars, assignments, projects, quizzes, discussions, model making and written tests

For 2012, 2013 and 2014 admissions: One centrally organized mid-semester test + 2 activities 1 before and 1 after the mid-semester test. One such activity would be a written test.

For 2015 and 2016 admissions: One centrally organized mid-semester test + 1 activity after the mid-semester test.

Teachers discuss the nature of assignments being given among their colleagues and often innovative topics, methods are designed to ensure that mere copying from each other is avoided. Some follow field work, some interviews, some specific problem yet others ask for MOOC courses and so on. All these innovative methods ensure that the assignments are not all easy affair.

#### **2.5.5 Does the College adhere to the declared examination schedules? If not, what measures have been taken to address the delay?**

Yes. The college has always adhered to the declared examination schedule.

#### **2.5.6 What is the average time taken by the College for declaration of examination results? Indicate the mode / media adopted by the College for the publication of examination results e.g., website, SMS, email, etc.**

The college publishes its undergraduate examination results within ten days of the conduct of the last examination. The results are put up on the college website.

Since the postgraduate courses have double valuation it takes longer as the college has to wait for the external examiner convenience. Once all papers have been valued for a particular subject, the result of that subject is released

#### **2.5.7 Does the college have an integrated examination platform for the following processes?**

##### **\* Pre-examination processes – Time table generation, OMR, student list generation,**

**Time table generation:** Yes the COE office is a well-planned and organized set up with adequate manpower and resources. Time table generation is done by the COE himself keeping in mind the college calendar and the dates fixed for the conduct of examinations.

**Student list generation:** Student list is generated nearly ten days before the examination when hall tickets are announced on the college website after meetings among the welfare officers and the examination committee. Adherence to prescribed attendance for qualifying to write examination as per the Bangalore University is taken into account. Students with genuine problems faced during the year due to participation in national and international events like Republic Day parade and sports are taken into consideration. Examination fee is collected along with annual college fees.

##### **\* Examination process –Examination material management, logistics.**

- The college procures the stationery well in advance with the support of the finance committee. The answer booklets are now **bar coded** for increased secrecy.

- **Preparation of Evaluatorslist:**The CEO invites the HODs of all departments to provide a list of teachers both internal and external who can be assigned the task of setting question papers. Once the question papers are received by the COE, the COE sends mail to each of the designated faculty with the papers to be set with code numbers and dates by which it needs to be sent.
- **Question paper setters:** Internal question paper setters are required to submit their question papers to the COE personally or into the personal mail id of the COE. External examiners too submit question papers in the personal mail id of the COE. Teachers are informed about the need for maintaining secrecy at all cost. By doing this the college has been able to maintain secrecy regarding question paper setting.
- **Board of evaluation meeting:** Once the papers are received the COE allots days during the study holidays for Board of evaluation meeting where in all members of the faculty and external member scrutinize all papers, make necessary corrections in the COE office in the soft copy in a pen drive provided by the COE both for language and in content. The final edited version is returned in the same pen drive to the COE. Secrecy is maintained all through.
- **Picking question paper:** The COE blind picks any one question paper out of the available three sets on the previous day and photocopies are made under his supervision.
- **Packing of question paper:** is done in a different room by select members of the faculty assigned by the Examination committee. This is done according to the seating arrangement under the COE supervision.
- **Question paper bundle:** is delivered to the assigned room five minutes before the examination second bell.

#### **Conduct of examination**

- Deputy Superintendent of examinations is responsible for the smooth conduct of the examination ensuring no shortage of examination material, invigilators, and shortage seating space, attenders on floors or support in any room.
- An invigilators list is prepared with invigilation units for all teachers except those who assist in the conduct of the examination such as the vice principals and staff involved in packing and other administrative duties.
- Students stick the bar code against their number and put their signature across in eh invigilator diary and get their hall tickets countersigned by the invigilator on duty.
- Examination squad visits all three blocks during examination to ensure the sanctity of examination is followed. The invigilators are informed about handling malpractices cases and if found they are reported to the COE with the help of attenders immediately.
- Examination coordinator prepares the seating arrangement, invigilation list, allotment of room, keeping number of answer script according to student allotment, allotting relief work for invigilators.

#### **\*Post examination process – attendance capture, OMR based exam result, auto processing, generic result processing and certification**

- Post examination the answer scripts are centrally collected and arranged subject wise and class wise. After entry in log books they are stored in respective cupboards and in designated pigeon holes. Invigilator diaries are collected and bound for safe keeping.
- Valuation is done centrally in the COE office.
- Teachers often begin their evaluation in the afternoon session itself if they are free as papers get arranged within few minutes. The head of the department usually calls for a quick meeting to review the question paper and suggests the use of the scheme of valuation for the paper. Teachers are allotted specific number of valuation. Review and

retotaling is arranged for the papers to ensure valuation has been fair and mistakes n totaling are avoided.

- Marks are entered by using bar code on the booklet and three machines have been kept in the COEs room for this purpose.
- Four scanners are available for the administrative staff to compile the marks. This ensures error free entry and speeds up the process of declaring results.

#### **2.5.8 Has the College introduced any reforms in its Ph.D. evaluation process?**

The college has recognized research centers for Chemistry and Botany affiliated to Bangalore University to carry out research leading to Ph.D. The process of Ph. D. evaluation is performed by Bangalore University.

#### **2.5.9 What efforts are made by the College to streamline the operations at the Office of the Controller of Examinations? Mention any significant efforts which have improved process and functioning of the examination division/section?**

The controller's office has taken a series of initiatives to stream line the operations of the examination system based on the feedback received from teachers and also on the basis of difficulties faced during the process of conducting examinations. The examination committee discusses these issues and decisions are taken to bring in the required changes. Some of the changes made are hall ticket can be downloaded on line, bar coding of answer booklets, error free marks entry and compilation and speedy redressal of examination related grievances.

#### **2.5.10 What is the mechanism for redressal of grievances with reference to evaluation?**

To address any grievance pertaining to continuous assessment (CA) and the semester exams (SE), there is an Examination Grievance Cell. Students have to meet the subject teacher who teaches the subject, if they feel that injustice has been done to them. If they are not satisfied with the evaluation made by a teacher, the matter may be referred to the head of the department. The examination grievance committee could be met with a written complaint, if a student still feels the issue has not been addressed. If the grievance cell orders for a revaluation, the marks awarded after the revaluation will be the final marks.

### **2.6. STUDENT PERFORMANCE AND LEARNING OUTCOMES**

#### **2.6.1 Does the college have clearly stated learning outcomes? If 'yes' give details on how the students and staff are made aware of these.**

St Joseph's College believes in the following learning outcomes:

- Providing a total learning experience that integrates the classroom with the world outside
- Seeing things from different perspectives and understanding the complexities and interconnectedness of issues
- Developing the core intellectual skills of critical thinking and analysis
- Engaging with issues of profound significance for the community
- Learning to appreciate diversity and having a deeper understanding of one's own culture

These learning objectives are emergent and are often discussed in staff councils, in the term end meetings of department faculty with the Principal. Students are spoken to about them in the college orientation and the department orientation. They are at the center of attention in the choice of teaching-learning methodologies as well as designing extra and

co-curricular activities. The vision and mission of college are suggestive of the above mentioned learning outcomes. They are available on the college website and also in the prospectus and the students' handbook.

### 2.6.2 How does the institution monitor and ensure the achievement of learning outcomes?

- The results of class tests/assignments/projects are analyzed at the departmental level and communicated to the students in the class with suggestions for improvement.
- College monitors attendance, and feedback is given to students by the teachers about the shortage of attendance. Students can also check their attendance online.
- College has a policy of conducting detailed results analysis for each department comparing percentage of first class/second class/third class/failures for each year. The detailed analysis is shared with the Principal in the Academic Council meetings.

### 2.6.3: How does the institution collect and analyze data on student performance and learning outcomes and use it for planning and overcoming barriers of learning?

- Every lecture interaction is an occasion for the faculty member to determine student progress and the outcome of the lessons taught.
- Since the student data base management is done using software, it has become easier for the COE office to compiled at and announce it at the staff council meetings.
- Active mentoring system helps teachers to monitor each student and plot his/her learning trajectory, enabling the institution to offer customized learning strategies that address each student as unique with a specific set of skills and potentials.
- The End-Semester exam is an evaluation of the student performance at a higher level. These results provide a comparison of the student's achievements at a broader base. This provides the institution with a comparative analysis of the results of every discipline.
- All faculty members keep track of the students' results.
- The Principal conducts an annual review of department results with the faculty members and suggestions for enhancement of the academic rigor are discussed.
- 

### 2.6.4 Give Programme-wise details of the pass percentage and completion rate of students

**Table2.16: Pass Percentage and Completion Rate of UG Students**

C	2009 - 2012			2010 - 2013			2011 - 2014			2012 - 2015			2013 - 2016		
	A	C M	%	C	A	CM	%	C	A	C M	%	C	A	C M	%
HEP	64	37	57.8	46	29	63.0	65	35	53.8	68	25	36.7	65	32	49.2
EPS	63	46	73.0	53	35	66.0	64	30	46.8	83	48	57.8	89	51	57.3
IES	68	43	63.2	66	40	60.6	72	49	68.0	76	48	63.1	72	44	61.1
PCM	45	29	64.4	42	23	54.7	29	14	48.2	35	24	68.5	59	31	52.5
PEM	40	28	70	35	14	40	29	17	58.6	18	10	55.5	37	14	37.8

PMC	60	44	73.3	61	42	68.8	49	23	46.9	49	31	63.2	61	36	59.0
MEC	42	28	66.6	46	27	58.7	36	19	52.7	40	17	42.5	46	25	54.3
EMS	--	--	--	23	12	52.1	32	24	75	21	15	71.4	35	25	71.4
CBZ	32	20	62.5	28	18	64.2	29	15	51.7	22	16	72.7	37	28	75.6
CEB	6	3	50	7	1	14.2	12	5	41.6	3	2	66.6	18	16	88.8
CEZ	11	3	27.2	22	13	59.0	18	13	72.2	6	5	83.3	16	10	62.5
MCB	17	12	70.5	16	8	50	8	4	50	12	8	66.6	15	8	53.3
MCZ	32	26	81.2	27	1	77.7	23	15	65.2	40	23	57.5	45	29	64.4
CBBT	48	25	52.0	34	4	70.5	32	15	46.8	38	25	65.7	22	11	50
CZBT	--	--	--	--	--	--	--	--	--	--	--	--	36	16	44.4
BSW	34	25	73.5	38	8	73.6	34	28	82.3	38	21	55.2	43	32	74.4
BCA	63	52	82.5	61	8	78.6	62	40	64.5	62	53	85.4	61	42	68.8
BVC	--	--	--	31	2	74.1	44	32	72.7	36	27	75	34	27	79.4
EJP	--	--	--	--	--	--	--	--	--	--	--	--	36	27	75

\*C: Course \*A: Admitted \*CM: Completed

**Table 2.17: Pass Percentage and Completion Rate of PG Students**

C	2010 - 2012			2011 - 2013			2012 - 2014			2013 - 2015			2014 - 2016		
	A	C	%	A	C	%	A	C	%	A	C	%	A	C	%
Economics	29	20	68.9	18	13	72.2	24	14	58.3	28	22	78.5	28	21	75
English	28	27	96.43	26	23	88.4	26	25	96.1	28	26	92.8	31	25	80.6
Political Science	13	9	69.2	19	12	63.1	14	11	78.5	23	20	86.9	20	15	75
Botany	20	17	85	18	18	100	20	19	95	20	19	95	29	29	100
Chemistry	15	13	86.6	16	12	75	21	17	80.9	21	6	28.5	20	8	40
Computer Science	25	23	92	31	27	87.1	31	29	93.5	34	34	100	31	27	87.1
Microbiology	30	30	100	29	26	89.6	29	27	93.1	29	22	75.8	28	18	64.2
Physics	19	15	78.9	21	9	42.8	20	16	80	22	11	50	21	11	52.3

Mathematics	--	--	--	--	--	--	--	--	--	--	--	--	18	16	88.8
MSW	21	20	95.2	21	12	57.1	36	26	72.2	42	33	78.5	41	35	85.3
MS Communication	26	22	84.6	29	13	44.8	29	15	51.7	31	12	38.7	30	20	66.6

\*C: Course \*A: Admitted \*CM: Completed

*Any additional information regarding Teaching, Learning and Evaluation, which the institution would like to include.*

Along with academics, stress is also laid on extra-curricular and co-curricular activities. St Joseph's College has an extremely active National Service Scheme (NSS), Sports organization, and National Cadet Corps (NCC). In addition, there are more than 50 associations for extracurricular activities like Dramatics, Dancing, Music, Creative Writing, etc. These student associations work throughout the year at an impressive pitch providing avenues for the expression of the creative potential of the student community.

## CRITERION III

### RESEARCH, CONSULTANCY AND EXTENSION

The college has taken the responsibility to encourage its talented faculty to undertake research. Serving the community through research consultancy and extension services is one of the hall marks of the college. These three activities are important for the college as they define the mission and vision of the college namely creating change agents who will become men and women for others. While research engages the academic component, consultancy and extension are designed to serve the society that the college serves. Extension activities provide the much needed space for experimentation and questioning the injustices prevalent in society.

#### **3.1.01: Does the College have a research committee to monitor and address the issues of research? If yes, what is its composition? Mention a few recommendations which have been implemented and their impact.**

Yes, the college has a research committee. The college provides support in terms of financial, academic and human resources required. It also provides timely administrative support to enable faculty to pursue research in their chosen field. The greatest asset for research is the freedom, encouragement and recognition that researchers enjoy in the college in terms of their research activities and the college has over the years passionately encouraged research orientation among its student and faculty members. In pursuance of this goal, the college has a research committee to provide more focused attention to meet the needs of the researchers. The committee comprises teachers from various departments having a leaning towards research and who have shown significant proof of their commitment towards research either through their publications, projects or as research guides and other activities over the years and/or through obtaining research grants from external funding agencies.

Currently, the members are:

Dr. Rev. Fr. Dr. Richard Rego S.J. (Director-Department of Mass Communication)

Dr. Michael Rajamathi (Department of Chemistry)

Dr. Subhashini Muthukrishnan (Department of Economics)

Dr. K. M. Divakar (Department of Botany)

Dr. Priyanca Mathur (Department of Political Science)

Dr. Sandra Misquith (Department of Chemistry)

Dr. Etienne Rassendran (Department of English)

Dr. Stephen Titus (Department of Mathematics)

Dr. Syed Wajeed (Department of Microbiology)

Dr. Arun Varma Thampan (Department of Physics)

- The Research Committee has met at regular intervals and had proposed to the St. Joseph's College management, BJES (Bangalore Jesuit Educational Society) for funding of research projects. The BJES has allocated a sum of Rs 50,00,000 for the year 2016-17 towards facilitating research.
- During its meetings, several issues relating to balancing research with teaching, sabbatical for faculty pursuing doctoral programs, supporting researchers in terms of leave of absence to present papers, attending conferences, assisting young teachers to write proposals by conducting workshops to educate them about research, about funding agencies and support system available were discussed. It has critically looked into the need for purchasing large data bases for carrying out research.

- The other recommendation implemented includes providing seed money for funding research to encourage younger faculty by submitting minor/major research proposals to the college research fund.
- The research committee called for proposals and received 18 proposals from 9 Departments. The proposals were subject to intense scrutiny - by a panel comprising of internal and external members. The authors/scholars of the proposal made a presentation of their intended work. 4 proposals were shortlisted for funding and seed money has been allocated. Invitation for another round for submission of proposals for seed money has been communicated to the younger staff and is in the process of allocating the same. An interim review of the funded projects is planned for March 2017. Table 3.1 lists the college-funded projects.

**Table 3.1: College Management (BJES) Funded Research Projects**

SN	Faculty	Department	Amount sanctioned	Amount disbursed
1.	Dr Popy Dutta	Microbiology	Rs. 1,05,000	15000
2.	Dr Libi Thomas	Chemistry	2,00,000	50,000
3.	Dr Priyanca Mathur	Pol. Sci.	1,00,000	50,000
4.	Dr Manojit. Bhattacharjee	Economics	23,818	23,818
5.	Dr Richard Rego SJ	Mass Comm	10,178	10,178
6.	Dr Richard Rego SJ	Mass Comm	25,000	25,000

- The few initiatives taken include organizing a two day workshop on Research Methodology with a common program for the entire faculty on the first day followed by different resource persons for social sciences and humanities, physical sciences and for natural sciences on the second day.
- It has also discussed the need for setting up research colloquium to share research findings and has also conducted two such meetings.

### **3.1.02: What is the policy of the College to promote research culture in the College?**

The college in its larger goals of providing education is convinced that research is an integral part of improving teaching learning and extension activities. It actively promotes research through financial support (seed money) and enables reduction in teaching hours for those involved in research. Some salient promotional activities of the college are

- The BJES's has earmarked of Rs. 50,00,000 (Rupees Fifty Lacs) per annum for the promotion of research in the college is a part of the college initiative to promote research.
- In addition to this, the college has the policy of routinely providing assistance to faculty in terms of leave, travel costs and registration costs in case of workshop/conferences - both national and international seminars and workshops.
- The college also provides material support in terms of office/ laboratory space, electricity, water and internet.
- In some cases, the college has also allowed researchers to use the consultation earnings back into research costs.

### **3.1.03: List details of prioritized research areas and the areas of expertise available with the College.**



The faculties of the college have research interest in a variety of subjects and are invited as resource persons for seminars and conferences in their committed areas. Given below is the list of expert area they specialize in:

**Table 3.2: List of Research Areas of Expertise**

<b>No</b>	<b>Name of faculty</b>	<b>Dept</b>	<b>Area of expertise</b>
1.	Dr. Betty Daniel	Botany	Cancer Biology and Infectious Diseases
2.	Dr Diwakar	Botany	In vitro seed germination, Micro propagation
3.	Dr. Jacob Abraham	Botany	Aerobiology, Melittopalynology, Taxonomy
4.	Dr. Jacob Paul	Botany	Medical and Environmental Microbiology
5.	Dr. Jayaram Reddy	Botany	Biotechnology and Bioinformatics
6.	Dr. Susan Mary Philip	BioTech	Gene expression regulation, Molecular stress responses in plants
7.	Dr. Grace Prabhakar	BioTech	Classical and Molecular Genetics, Plant Breeding, Immunology, Plant Biotechnology, Biostatistics
8.	Mr. Madappa MB	BioTech	Genetic conservation , biotechnological tools, Mushroom culture technologies, Entrepreneurship
9.	Dr. Nagaraju N.	Chemistry	Heterogeneous catalysis, super capacitors, carbon nanotubes : synthesis 78 and 78applications
10.	Dr. Michael Rajamathi	Chemistry	Solid State Chemistry, Materials Chemistry, Nanoscience
11.	Dr. Vijayakumar Reddy	Chemistry	Electrochemistry and catalysis
	Dr. Melwin Colaco	Chemistry	Green synthesis
13.	Dr.Ronald. J. Mascarenhas	Chemistry	Modified electrodes, Electro-organic reactions, Electroanalytical techniques, Electrochemistry, Nanoparticles, Biosensors
14.	Dr. Somasekhariah BV	Chemistry	Phytochemical and Biochemical studies from medicinal plants.
15.	Dr. Sandra Misquith	Chemistry	Enzymology, Lectin chemistry, Anti-coagulants
16.	Dr. Shanty Mathew	Chemistry	Heterogeneous Catalysis
17.	Dr. Libi Thomas	Chemistry	Conducting Polymers
18.	Dr. Joyce Q. D'Souza	Chemistry	Heterogeneous Catalysis
19.	Dr Suhas	Chemistry	Nanotechnology for tissue engineering and therapeutics
20.	Dr. Priyanka Parmar	Electronics	Conducting Polymers
21.	Dr. Nachappa N	Computer science	Multimodal Biometric System ,Data Compression, techniques for synchronization, localization and navigation of resources
22.	Ms. Banu M	Computer S	eWallet, Web search Tools, Digital currency and Cryptocurrency
23.	Ms. Mrinmoyee B	ComputerS	Genetic Programming
24.	Dr. Syed Wajeed	Microbiology	Signal Transduction in prokaryotes, Bioremediation and Antimicrobial drugs and their assay
25.	Dr. Beatrice Sequeira	Microbiology	Gene expression regulation, Molecular stress responses in plants
26.	Dr. Vanitha NM	Microbiology	Agricultural Microbiology, Environmental Microbiology, Food, Dairy and Industrial Microbiology, Bioinformatics

27.	Ms. Jothy Williams	Microbiology	Agriculture Microbiology
28.	Mr. Jayshankar	Zoology	Ethno zoology
29.	Dr. Subhashini Muthukrishnan	Economics	Higher education, Environmental economics , labour and health economics
30.	Mr. Clement D'Souza	Economics	Informal sector
31.	Mr. Keshav Murthy	Economics	Agriculture and Agricultural Trade aspects
32.	Dr. Manojit Bhattacharya	Economics	Macroeconomics, Growth and Development, informal credit markets
33.	Dr Etienne Rassendan	English	Culture studies
34.	Dr. Arul Mani	English	Literary Studies
35.	Ms. K.S Jyothsna	English	Cultural Studies and Education
36.	Ms. Nalini Pai	English	Pedagogy
37.	Dr Priyanka Mathur Velath	Political Science	Migration
38.	Mr. Kiran Jeevan D	Social Work	Rural and Urban Youth
39.	Ms. Maria A	Sociology	Street Vendors
40.	Dr. Arun Varma Thampan	Physics	Neutron Stars, High Energy Astrophysics, General Theory of Relativity
41.	Dr. L R Goveas	Physics	Condensed matter

#### **3.1.04: What are the proactive mechanisms adopted by the College to facilitate smooth implementation of research schemes/projects?**

- In general, the college promotes research by providing basic facilities like space, internet, electricity, water and permission to go out to visit labs in the city during working days when teachers are free and granting leave relating to research provided the concerned teacher makes up for the hours of teaching hour lost.
- Researchers are given full freedom in the utilization of the grant according to the guidelines given by the granting agency.
- The auditing and accounting services is available for all researchers.
- In many cases, the college advances the funds for projects based on sanction letter.

#### **3.1.05: How is interdisciplinary research promoted?**

- Several members of the faculty who conduct research in the Life and Chemical Sciences have multidisciplinary collaborations with faculty in other related departments. This is seen in the publications of research among faculty
- The college has introduced a scheme of Choice Based Credit System (CBCS) courses that engage in interdisciplinary teaching. Since teaching interdisciplinary courses is the first step towards interdisciplinary research, the college expects to see a furthering in research outputs that use interdisciplinary collaboration.
- The Undergraduate programs carry with it a requirement of Term Paper in the final semester. Term paper has been a vehicle to encourage interdisciplinary research both among students and teachers. Students learn Research Methodology, planning new research, carry out research experiments, collect data, writing computer programs, carrying out a thorough literature survey, writing a research paper, finding proper good impact journal for publication etc. within the gambit of the term paper. Some of the student term papers have also been published.
- The newly founded Josephs Research Forum set up under the DBT star program encourages students and teachers from different disciplines to work together. All these result in resource sharing among faculty and students.

- A few interdepartmental national state level workshops and seminars too have been held indicating interdisciplinary approach to research.

**3.1.06: Enumerate the efforts of the College in attracting researchers of eminence to visit the campus and interact with teachers and students?**

- Researchers and eminent personalities in individual fields known to faculty visit the college during related events such as workshop or conferences held in the city.
- Many of the resource persons who are on the various boards of studies are eminent researchers themselves and are invited to deliver lectures.
- Alumni members also come over to deliver lectures in their areas of expertise. The program ‘scholar on campus’ has been discussed and the college hopes to make use of this program soon and place of residence is also available for guest researchers.
- In addition to this, the college has good facilities for hosting events like an excellent 1100 seater auditorium with attached satellite rooms for smaller congregation and halls to carry out smaller talks and discussions. These facilities are frequently sought after for public lectures as well which benefit the college teachers and students, besides other academics in the community in particular and the city in general.
- The Science departments regularly organize Academies Sponsored Lecture Workshops on different themes almost every year.
- Typically, each of the 30 departments have had more than five but less than 50 visits by eminent researchers totaling to at least 200 researchers visiting the college in the last four years.

**3.1.07: What percentages of faculty have utilized sabbatical leave for research activities? How has the provision contributed to the research quality and culture of the College?**

While the college currently does not have a facility for sabbatical leave for the increasing number of management paid teachers, two of the government aided faculty had availed of the UGC- Faculty Improvement Program to complete their Ph.D.

- The college provides leave for faculty in the crucial stages of their Ph.D. program and is sensitive and supportive during the PhD course. Such measures have increased the number of faculty taking up research emphasizing the efficacy of the program despite lack of sabbatical leaves. Currently ten members of faculty are pursuing their research program.

**3.1.08: Provide details of national and international conferences organized by the College highlighting the names of eminent scientists/scholars who participated in these events.**

A total of 33 workshop/conferences were conducted in the past 4 years. Of these, 20 were National Level workshops and 2 were at the International Level. The following (Table 3.3) is the list of national and international level seminars. The Departmental evaluative report has the list of departmental level seminars and conferences organized.

**Table 3.3: List of National and International Conferences**

	Title of Workshop/Seminar	Year	Sponsors	Prominent resource persons
Biotechnology				
1.	Practical Biochemistry– hands on Experience (IISC & NCBS)	2015-16	College Level DST	Dr. Vishnu Janardhan Mr. Kiran R

2.	National Seminar on Emerging Trends in DNA Research	2014-15	UGC	Dr. Jagadish Mathur Dr. Malali Gowda Dr. Suryanarayan Dr. Ravi kanth
<b>Botany</b>				
3.	Recent trends in cellular mechanism and gene expression	2015-16	Indian Academy of Sciences (State)	Dr. K M Mathew Dr. Rajalakshmi Gopi Dr. Malali Gowda
4.	International conference on green technologies for sustainable ecosystems and trade show.	2015-16	UGC	Dr. Mang Hung Wong Dr. Ramakrishna Y Dr. Sushma Nagaraj
5.	National - Academies lecture workshop on plant taxonomy & Biodiversity,	2014-15	IAS Bangalore INS Academy New Delhi NAS Allahabad	Dr. Sundarajan Dr. R R Rao Dr. Shivanna
<b>Chemistry</b>				
6.	Electrochemical concepts: Materials for energy storage and sensing	2014-15	ECMESS-2015	V. Lakshmi Narayana Dr. Sampath Dr. Sheker Kumar
7.	Spectroscopic and Microscopic methods for the analysis of materials-Workshop	2016-17	IASB IMS-New Delhi NAS Alahabad	Prof. S Vasudevan Prof. E Arunan Dr. Chandan Sriarthala
<b>Communications</b>				
8.	National Conference on Media and Social Responsibility	2013	UGC	Mr. V.G. Varguese (Veteran Journalist) Mr. M.N. Venkatachaliah (Former Chief Justice of India)
9.	National Conference on Media Challenges in the age of Globalization and Digitization	2014	Self-financed	Mr. Pradyod Barman Editor North East Today
<b>Economics</b>				
10.	National Conference on Human Capital Formation: Issues and Challenges	2015-16	UGC	Dr Abdul Aziz Dr Chiranjib Sen Dr Manimekalai Dr Usha R
11.	National seminar on Financing Micro, Small and Medium Enterprises	2015-16	UGC	Mr. Suresh Savekar Dr Mahadeva Dr. Robert Clive
<b>Mathematics</b>				
12.	Workshop In Mathematics	2014-15	Science Academies	Dr. Mithily Ramaswamy Dr. Koushal Varma Dr. Venky Krishnan
<b>Environmental sc , Zoology and WAAC</b>				

13.	National Seminar on Ecology, Sustainable Development and Wildlife Conservation	2016-17	Self and AROCHA	Dr. KN ganesiah Dr Karthic shanker Dr. MS Rao
<b>Microbiology</b>				
14.	Kaleidoscope-Seeing the Unseen – State level	2014-2015	UGC	Dr. Renee Borges Dr. Dipankar Nandi Dr. Binay Panda
15.	Emerging And Re-Emerging Infectious Diseases State Level	2016-2017	Indian Academy of Sciences	Dr. Saumitra Das Dr. Uday Kumar Ranga Dr. Hemalatha Balaram Dr. Sandya Visweswariah
<b>Physics</b>				
16.	Science from Space: new findings and challenges ahead State Level	2015-16	ISRO	Prof. G Srinivasan Mr. Shivram Dr. Shyama
17.	Modern optics :Raman Research Institute Outreach programme	2016-17	RRI	Prof. Regi Philip Prof. Andal
<b>Political science, Economics, Sociology and English</b>				
18.	National Seminar on Teaching Social Sciences national(prof Jerome)	2012-13	UGC	Dr. Vanamala Vishwanatha Dr. Shobha Raghuram Dr. Sandeep Shasri
<b>Social work and psychology</b>				
19.	International Conference – Higher Education in the 21 <sup>st</sup> Century: Trends and Challenges	2013-14 In Collaboration with St. Louis University, USA	UGC + St. Louis University, USA	Dr Krishnan, Vice Chancellor of Karnataka Open University
20.	International Conference – Community Mental Health: Trends and Challenges	2013-14 In Collaboration with Univ of North Carolina, USA	UGC	Dr. Arthur Frankel, Professor, University of North Carolina
21.	National Human Trafficking	2013-14	Self - Financed	Dr. Sunitha Krishnan Padma Vibhushan & Director of Prajvala
22.	Trends, challenges in the Social work profession	2014-15	UGC	Justice Saldhana & Shabnam Hashmi
<b>Electronics</b>				
23.	Microprocessor based simulation	2013-14	UGC	Sparsh Technologies Bangalore
<b>Sociology</b>				
24.	Gender and work	2016-17	UGC	Dr Elizabeth Dr Babu Mathew NLSUI

**.1.09: Details on the College initiative in transferring/advocating the relative findings of research of the College and elsewhere to the students and the community (lab to land).**

Publication of research findings is the most important vehicle for transmitting research knowledge to knowledge seekers elsewhere.

- Many of the papers published by our faculty are in high impact journals. Sharing of knowledge through various media enhances quality of teaching and learning. Involvement in research has impacted class room pedagogy with the nature of assignments given to students, lab experiments done, certificate courses offered and selection of topics for term papers.
- Sharing their knowledge in their field of research at seminars and conferences is a powerful tool for disseminating research findings with larger academic community in the city, state, national and international levels making their effort beneficial to all. Students too present papers in seminars and conferences elsewhere.
- Departments such as Social Work directly interact with community and incorporate their research findings into their class rooms. All social sciences faculty use research based assignments and also carries out field visits. The Department of Botany has developed an experimental forest. It has worked on Biocontrol agent trichoderma that controls pathogens of crop plants. The experiment is at a stage where it may be applied on land.

### 3.1.10: Give details on the faculty actively involved in research (Guiding student research, leading research projects, engaged in individual or collaborative research activity etc.)

Teachers are engaged in research related work at various levels. Some of them are as follows

#### Guiding student research:

- As part of the undergraduate course, it is mandatory for students to present a term paper in their final semester. Almost all teachers are engaged in guiding students for research towards the term paper.
- The postgraduate departments supervise their students to carry out individual research work in the form of dissertation.
- The introduction of CBCS has seen students from different departments getting exposure to other areas of research other than their majors.
- Another set of teachers have research projects and students work with them as project interns completing their internship requirements and also learning to carry out research.
- Many students do their internships/ research labs with important national research/ Govt institutes like IIM, ISEC, CDS, IGIDR, NIAS , ISRO, IISC .

#### Guiding doctoral research:

Two departments of the college namely Botany and Chemistry are recognized research centers of Bangalore University. Table 3.4 shows faculties of these departments registered with Bangalore University as doctoral research guides and the number of PhD scholars guided.

**Table 3.4: Details of Faculty Engaged in Guiding PhD Students**

Sl No	Faculty	Department	PhD awarded	PhD scholars registered
1.	Dr. Nagaraju N.	Chemistry	8	1
2.	Dr. Michael Rajamathi	Chemistry	7	3
3.	Dr. Ronald Jerald Mascarenhas	Chemistry	1	4
4.	Dr. Somashekharaiyah B. V.	Chemistry	7	3
5.	Dr. Sandra Misquith	Chemistry	6	3
6.	Dr. Purushottama K.B.	Botany	2	1

7.	Dr. Bopaiah A.K.	Botany	3	2
8.	Dr. Divakar K.M.	Botany	2	2
9.	Dr. Jayarama Reddy	Botany	1	0
10.	Dr. Tamizhseran(retired)	Botany	1	0
11.	Dr. Nayeem Ullah Khan(retired)	Botany	4	0

**Leading research projects:** As many as 42 research projects granted by various agencies have been carried out in the college during the last four years. The lists of ongoing and completed projects are presented in **Tables 3.5 - 3.9**

**Table 3.6: Ongoing Major Projects**

Sl No	Name	Department	Amount (Rs.)	Year (Grant Received)	Funding agency
1.	Dr. Melwin Colaco	Chemistry	1479300	31-03-2013	UGC
2.	Dr. Sandra Misquith	Chemistry	2296000	07-10-2013	CSIR
3.	Dr. B.V. Somashekariah	Chemistry	1268900	31-03-2013	UGC
4.	Dr. Michael Rajamathi	Chemistry	3682580	23-08-2016	SERB
5.	Dr. Ronald J. Mascarenhas	Chemistry	2700000	07-05-2014	BRNS
6.	Dr. Arun Varma Thampan	Physics	1800000	2017-19	DST
7.	Mr. Keshav Murthy	Economics	700000	2014-16	ICSSR
<b>Total</b>			<b>13926780</b>		

**Table 3.7: Ongoing Minor Research Projects**

Sl. No.	Name	Subject	Amount	Year (Grant Received)	Funding Agency
1.	Dr. Betty Daniel	Botany	95000	2014	UGC
2.	Dr. Jacob Paul	Botany	76000	2014	UGC
3.	Dr. K. M. Divakar	Botany	110000	2014	UGC
4.	Mr. Madappa M.B	Biotechnology	240000	2015	UGC
5.	Dr. Grace Prabhakar	Biotechnology	200000	2014	UGC
6.	Dr. Susan Mary Philip	Biotechnology	150000	2014	UGC
7.	Dr. Joyce D'Souza	Chemistry	200000	2015	UGC
8.	Ms. Banu	Computer science	65000	2015	UGC
9.	Mr. Clement D'Souza	Economics	85000	2015	UGC
10.	Dr. Ayanendu Sanyal	Economics	100000	2014	UGC
11.	Dr. Manojit Bhattacharjee	Economics	116955	2014	UGC
12.	Dr. Arul Mani	English	55000	2014	UGC
13.	Ms. K.S Jyothsna	English	40000	2014	UGC
14.	Ms. Nalini Pai	English	35000	2014	UGC
15.	Ms. Maria David	Sociology	110000	2014	UGC
<b>Total</b>			<b>1677955</b>		

**Table3.8: Major Research Projects Completed (2012-16)**

	Name	Department	Amount	Year completed	Funding agency
1.	Dr.Naheem Ullah Khan (rtd)	Botany	7,87,800	2014	UGC
2.	Dr. Michael Rajamathi	Chemistry	55,00,000	2012	SERB, DST
3.	Dr. Ronald J. Mascarenhas	Chemistry	9,39,807	2013	UGC
4.	Dr.Subhashini Muthukrishnan	Economics	10,00,000	2016	ICSSR
<b>Total</b>			<b>8227607</b>		

**Table 3.9: Minor Research Projects Completed (2012-16)**

	Name	Department	Amount	Year	Funding agency
1.	Dr. Jacob N. Abraham	Botany	48,000	2010	UGC
2.	Dr. Jayaram Reddy	Botany	1,00,000	2013	UGC
3.	Dr. Naveen Chandra	Chemistry	1,50,000	2013	UGC
4.	Dr.M.N.Nachappa	Computer sc	1,00,000	2013	UGC
5.	Ms Mrinmoyee Bhattacharya	Computer sc	60,000	2015	UGC
6.	Dr. Subhashini Muthukrishnan.	Economics	105000	2015	UGC
7.	Mr Keshav Murthy	Economics	85000	2015	UGC
8.	Dr. Godwin D'Souza	Electronics	100000	2015	UGC
9.	Dr. Padma Baliga	English	80000	2015	UGC
10.	Dr. Syed Wajeed	Microbiology	1,90,000.00	2013	UGC
11.	Dr. Vanitha N M	Microbiology	70,000.00	2013	UGC
12.	Ms. Jothy W	Microbiology	1,90,000.00	2013	UGC
13.	Kiran Jeevan	Social work	100,000	2013	UGC
<b>Total</b>			<b>1,378,000</b>		

**Engaged In Individual / Collaborative Research:**

Science faculties are engaged with collaborative research with faculty at IISc and Bangalore University. A faculty from the Economics Department is presently having a collaborative project with Institute for Social and Economic Change. Details of individual research are presented in Tables 3.5.to 3.9 above. Table 3.10 gives details of collaborative project.

**Table 3.5: Collaborative project**

	Name	Collaborator	Department	Amount	Grant Received	Funding agency
1.	Dr. Manojit Bhattacharjee	Prof Meenakshi Rajeev, ISEC project placed at ISEC	Economics	1500000	2014-16	ICSSR

**3.2.01: What percentage of the total budget is earmarked for research? Give details of major heads of expenditure, financial allocation and actual utilization for last four years.**

The college through its Research Committee is in the process of regularly setting aside funds for furthering research activity on campus. Starting from 2016-17, Rs. 50,00,000



(~3.3% of the total budget) per annum. The actual utilization as on Feb 2017 is Rs. 20,00,000.

### **3.2.02: What are the financial provisions made in the College budget for supporting student research projects?**

The College encourages student research as well. The college has a student research forum called the Josephite Research Forum. The forum consists of students from all streams and all interested teachers. The Forum meets twice every month when the students present their research ideas and work in progress.

- The college has sanctioned Rs.4,00,000 for 10 projects. In addition to this, the Research Committee has earmarked funds amounting to about Rs. 2,00,000 towards student research.
- The college under the DBT-STAR supports young teachers and students to engage in research of his/her own choice.
- Students are given financial assistance for presenting papers in conferences and seminars in terms of registration fees.

### **3.2.03: Is there a provision in the institution to provide seed money to faculty for research? If so, what percentage of the faculty has received seed money in the last four years?**

The College has put aside money for Research - particularly as seed grants for an internally defined major and minor research projects. 18 proposals were received and 4 proposals were awarded seed grants. Since this is going to happen every year, we expect to see an increase in the number of grants over the entire college. About 3% of the faculty have received seed money in the last year.

### **3.2.04: Are there any special efforts made by the College to encourage faculty to file for patents? If so, provide details of patents filed and enumerate the sanctioned patents.**

There are no specific efforts made by college to encourage faculty to file for patents except that it supports research on campus. Two patents have been filed by Dr. Jayarama Reddy and Dr Nayeem Ulla Khan, Department of Botany.

- A simple method to control water hyacinth (*Eichhorniacrassipes*), a common aquatic weed: (Patent No. 145/CHE/2013); For details visit: <http://ipindiaonline.gov.in/patentsearch/search>
- A combined single method of controlling arsenic levels in environment and extraction of gold using a common aquatic plant, *Eichhorniacrassipes* (*Martius*) *Solms-Laubach* (*Pontederiaceae*): (Patent No. 144/CHE/2013); <http://ipindiaonline.gov.in/patentsearch/search>

### **3.2.05: Details of Ongoing Research Projects:**

The college's culture of encouraging research among its faculty by giving freedom to carry out research and providing the necessary infrastructure support and services has resulted in several projects being undertaken by its faculties. A total of 40 research projects were granted to the college during the study period with the total grant money being Rs. 2,68,10,342. Of these 32 were UGC funded. Many of these researchers had applied for research projects for the first time showing the growing interest in research in the college. Tables 3.5 and 3.6 above show the details of Ongoing Research Projects in the college.

**3.2.06: How many departments of the College have been recognized for their research activities by national / international agencies (UGC-SAP, CAS, DST-FIST; DBT, ICSSR, ICHR, ICPR, etc.) and what is the quantum of assistance received? Mention any two significant outcomes or breakthrough due to such recognition.**

Chemistry, Botany and Biotechnology departments are under DBT-STAR program. Post-graduate departments of Chemistry, Botany, Microbiology, Physics, Mathematics and Computer Science are under DST-FIST program. Microbiology department received infrastructure grants from VGST, Karnataka. Table 3.11 below provides details regarding agencies and funding received.

**Table 3.11: Departments Recognized by National Bodies for Research**

Sl no	Departments	Funding agencies	Assistance received
1.	Botany	VGST	Rs 300000
2.	Microbiology	VGST	RS 4000000
3.	Potential For STAR	DBT	RS 1000000
4.	FIST (6 Departments)	DST	Rs 9500000

**3.2.07: Details of Completed Research Projects**

Five major projects and several minor projects were completed during the period 2012-2016. The details are given in Tables 3.5 and 3.6 above.

**3.3.01: What efforts are made by the College to keep pace with the infrastructure requirements to facilitate Research? How and what strategies are evolved to meet the needs of researchers?**

The college has developed a reasonable infrastructure for carrying out research work in basic sciences. As and when researchers require specialized infrastructure facility, the college has been supportive in providing them accordingly. The college has standby power facility assisting in carrying out lab work. In recent times it has reconstructed/modified many of its labs from the grants received from the UGC under the College with Potential for Excellence and College of Excellence Schemes. Individual faculties from the sciences engaged in active research have individual research labs.

For social sciences research the INFLIBNET facility has been useful. The internet facility has also been upgraded for supporting research. Researchers have been able to buy books as and when required for research.

As an immediate strategy, the College is in the process of constructing a new building that will house a modern data center and library for the purpose of research. A new course on Big Data Analytics has been initiated in the college - this course is expected to bring in new infrastructural facilities in terms of data storage and can potentially benefit researches that are data intensive.

**3.3.02: Does the College have an information resource centre to cater to the needs of researchers? If yes, provide details on the facility.**

Currently the information resource centre is the library and the e-resources that it obtains through the N-LIST program of the UGC-INFONET. The college has subscribed to UGC INFLIBNET and DELNET and it has been a good resource centre to cater to researchers need. The college also has an MOU with St Joseph's College of Business Administration for the use of its library. Besides the college library acquires most recent books in all subjects and subscribes to journals of interest. We are in the process of buying JSTOR and a plagiarism check software.

**3.3.03: Does the College provide residential facilities (with computer and internet facilities) for research scholars and faculty?**

The college does not provide residential facilities for research scholars or the faculty, though for male researchers a hostel is available on campus.

**3.3.04: Does the College have a specialized research centre/ workstation to address challenges of research programmes? If yes, give details.**

The college has a centralized instrumentation facility. The research committee headed by the Director of Research addresses the needs of the researchers. The student research concerns are addressed by Josephs Research Forum, JRF.

**3.3.05: Does the College have research facilities (centre, etc.) of regional, national and international recognition/repute? Give a brief description of how these facilities are made use of by researchers from other laboratories.**

While the college has not been declared as a centre for research in any particular field, it has built up facilities in terms of specialized high-cost equipment. These facilities are made available to researchers from other institutions (free of charge for government and government-aided institutions and at nominal costs for private institutions).

A Herbarium from the collection of late Dr. Rev. Fr. Cecil Saldanha which is of significant national and international repute resided here. Due to the specialized need of upkeep, this has been moved to Indian Institute of Science. The data, however, is available online: <http://florakarnataka.ces.iisc.ac.in/hjcb2/welcome.php>.

Research scholars from Foundation for Revitalization of Local Health Traditions (FRLHT) /BU make use of the expertise of the centre for their research activities.

**Table 3.12: Major Equipments Available For Research**

S. N.	Name of the Instrument	Cost of the Instrument in Rs.	Year of Purchase	Funding Agency
<b>Department of Biotechnology</b>				
1	4 Dell optiplex systems	1,28,394	2014-15	DBT star college status
2.	Gel stantransilluminator	96,752	2014-15	DBT star college status
3.	Gel stan camera and hood	99,798	2014-15	DBT star college status
4.	Ice flaker unit	99,615	2014-15	DBT star college status
5.	t-50 refrigerated centrifuge	50,625	2015-16	CE Grant
<b>Department of Botany</b>				
6.	Digital microscope Ex 30 Model	1,16,800	2015	CE Grant
7.	SEPCCE PCR machine and GEL doc	3,99,949	2015	CE Grant
8.	a. Laby refrigerate centrifuge b. Neomake incubator shaker	90,805 50,000	2015	DBT Star College UGC Minor College
9.	Equitron ware vertical autoclave	61,600	2015	
<b>Department of Chemistry</b>				
18.	ELICO Double beam UV-Vis Spectrophotometer	99,101	2015	DBT
19.	ELICO D <sub>2</sub> lamp, Visible lamp	1,98,203	2015	DBT
20.	Galvanostat/Potentiostat	99,000	2010	UGC
21.	Rotating Disk Electrode	65,000	2010	CPE grants
22.	Electrochemical Workstation	11,50,000	2014	BRNS
23.	Double beam uv-vis Spectrophotometer	4,00,000	2013	UGC Major Project

24.	Soxhlet apparatus	50,000	2013	UGC Major Project
25.	Absorbance Microplate Reader	2,25,000	2014	CSIR
26.	Centrifuge (Mini spin Plus)	89,250	2014	CSIR
27.	Alpha Imager Mini Gel Doc. System	3,50,000	2014	CSIR
28.	IBM Think Centre Edge++++	1,10,880	2014	CSIR
29.	Vest Frost Vertical Glass Door Chiller	78,432	2014	CSIR
30.	General Incubator	80,000	2014	CSIR
31.	Refrigerated centrifuge with accessories	3,18,425	2013	UGC Major
32.	Semi auto biochemistry analyzer	1,07,348	2013	UGC Major
33.	Powder X-ray diffractometer	55,00,000	2007	DST
34.	Ion Chromatograph	8,00,000	2004	DST
35.	Atomic Force Microscope	32,00,000	2013	DST
36.	FT IR spectrometer with ATR	15,00,000	2016	DST
37.	UV-Vis spectrometer with ATR	7,00,000	2015	College Funds
<b>Department of Physics</b>				
38.	GM counting system with accessories(4nos)	6,16,355	2015	CE
<b>Central Instrumentation Facility</b>				
39.	Atomic Absorption Spectrometer	8,00,000	2006	CPE
40.	Gas Chromatograph	5,00,000	2015	CE
41.	HPLC	7,00,000	2006	CPE
42.	FT IR spectrometer	5,00,000	2006	CPE
43.	Emission Spectrometer	8,00,000	2015	CE

**3.4.01: Highlight the major research achievements of the College through the following:**

- \* Major papers presented in regional, national and international conferences
- \* faculty serving on the editorial boards of national and international journals
- \* faculty members on the organization committees of international conferences, recognized by reputed organizations / societies

Several members of the faculty have presented in seminars and conferences in India and abroad. Most senior faculty have been regular invitees as resource persons in the city. The college has published more than 240 papers in reputed journals largely by faculty from departments recognized for research. Other departments have ISSN publications and many write for news papers as well. At least six of our faculties are on the editorial boards of national journals. The details of publication and other related data are available in the departmental evaluation reports. Our teachers have been invited as resource persons at seminars/conferences/symposia/workshops on more than 250 occasions during the last four years.

**3.4.02: Does the College publish research journal(s)? If yes, indicate the composition of the editorial board, publication policies and whether it is listed in international database?**

The Botany department publishes a research journal 'biovistas'.

**3.4.03: Give details of publications by the faculty:**

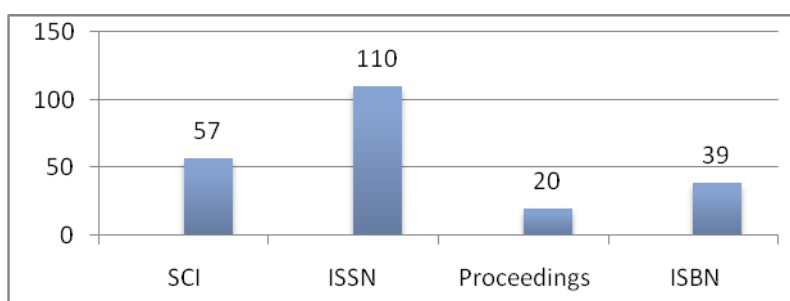
Since several research projects are being carried out in the college, a number of publications have resulted in the last four years. Many members also publish their papers

as they present them in seminars and conferences as conference proceedings. A total of 226 papers of all categories were published during the study period.

**Table 3.13: Details of Publications by Faculty**

S. No.	Departments	SCI	Publications ISSN	Seminar proceedings	Book /chapters ISBN
1.	Botany		38		
2.	Biotechnology		6	1	
3.	Chemistry	49			
4.	Commerce		3	5	2
5.	Computer sc		14		
6.	Communication		1		2
7.	Economics		13	4	11
8.	Electronics		3	1	
9.	English		19	6	13
10.	Environment Science		4	1	2
11.	Hindi		1	1	1
12.	Industrial relations		1	-	1
13.	Kannada				1
14.	Mathematics		1	1	
15.	Microbiology	3			2
16.	Physics	5	1	-	-
17.	Political science		3	-	3
18.	Zoology		2	-	1

**Chart 3.1. Publications by Faculty**



**3.4.04: Indicate the average number of successful M.Phil. and Ph.D. scholars guided per faculty.**

Currently, the Chemistry and Botany are the two departments that are recognized by Bangalore University as Research Centres. Both the departments have a Ph.D. program and the average number of successful Ph.D. scholars guided per faculty is 2 during the past four years. A rise in this number is expected in the coming years as the College is in the process of getting other departments recognized by the Bangalore University as research centers. The college does not offer M.Phil. programmes.

**3.4.05: What is the stated policy of the College to check malpractices and misconduct in research?**

Malpractices and misconduct in research are unacceptable. While there are no specific guidelines currently there is peer monitoring at all levels of research. The progress of the PhD students is constantly monitored by a doctoral committee which ensures quality. The

Research Committee brings together researchers in Colloquium and discussions to ensure that peers are aware of what others are involved in. These, to a large extent, ensure that there are no malpractices and misconduct. The college has recently procured an antiplagiarism software.

**3.4.06: Does the College promote interdisciplinary research? If yes, how many inter departmental / inter disciplinary research projects have been undertaken and mention the number of departments involved in such an endeavor.**

- The college promotes interdisciplinary research in various ways. One important manner in which interdisciplinary comes in is through the term paper that students undertake. Since a student is free to choose any topic of his/her interest most often they acquire an interdisciplinary nature.
- In addition to this, as part of the Josephite Research Forum (JRF), some of the students also pursue multidisciplinary research projects for which the college provides seed funding.
- Faculty members too engage in multidisciplinary research. This is reflected in publications in which faculty from different departments are authors.

**3.4.07: Mention the research awards instituted by the College.**

The college felicitates the achievers annually on college day celebrations. This function usually involves giving the faculty and research scholars who have recently received Ph.D. Degree and also faculty who have received special recognition for the college. A plaque and a certificate are given to honor the achiever. Achievements of teachers are also put up on the college website and included in the college magazine. The college has not instituted any award for research as of now.

**3.4.08: Provide details of**

**\* research awards received by the faculty**

**\* recognition received by the faculty from reputed professional bodies and agencies**

- Dr. Jayaram Reddy Eminent scientist award - The National Environmental Science Academy (NESA, New Delhi) 2015

**3.4.09: State the incentives given to faculty for receiving state, national and international recognitions for research contributions.**

No incentives have so far been given to achievers. The Research Committee has recently submitted a list of recommendations in which incentives for different levels of achievement have been spelt out.

**3.5.01: What is the stated policy of the College for structured consultancy? List a few important consultancy services undertaken by the College.**

The college is usually open regarding the earnings through consultancy - there have been instances where the funds obtained through consultancy by a faculty have been re-injected by the college management for that particular faculty's research. It is now agreed that the consultancy earnings are shared by the institution and the faculty offering consultancy in 60:40 ratio when the nature of consultancy involves infrastructure support from the institution. In cases where the consultancy does not involve infrastructure and materials support from the college it is shared in 40:60 ratio. Departments of Environmental Science, Chemistry, Botany, Zoology, Political Science, Social Work and Economics have been engaged in some form of consultancy work (Table 3.14 below).

**3.5.02: Does the College have College-industry cell? If yes, what is its scope and range of activities?**

The college has a placement cell. The cell conducts interviews and liaisons between the Industries and the college. Besides since all departments have an industry member in the Board of Studies, the college does not have a special cell of this nature.

**3.5.03: What is the mode of publicizing the expertise of the College for consultancy services? Mention the departments from whom consultancy was sought.**

The college has so far not actively publicized the expertise available in the college. The staff profile in the college website makes known the available expertise. The publications by faculty, participating as resource persons usually publicizes the expertise of the college.

**3.5.04: How does the College encourage the faculty to utilise the expertise for consultancy services?**

The college mission is “Making men and women for others” and keeping with this mission, the college actively encourages the faculty to employ their expertise in those areas which positively influence individuals and society.

**3.5.05: Please provide details of the consultancy projects that your department have undertaken.**

A few teachers provide consultancy services when approached by agencies. The following is the list of services rendered.

**Table 3.14: Details of Consultancy Services**

**Provided**

Name	Department	Rs.	Consultancy Activity
Dr Michael Rajamathi	Chemistry	17,26,640	(PXRD consultancy for pharma companies )
Dr Subhashini Muthukrishnan	Economics	2,00,000	Peri Urban Spaces And Livelihood- International water Management Institute Sri Lanka and TISS Guwahati
Dr Priyanka Mathur	Political Science	2,04,000	International Expert to conduct Capacity Training Workshops on Federalism for Civil Society Actors and State Legislative Assembly Members in Mandalay, Myanmar by the Forum of Federations, Myanmar Office. International Expert to conduct Training Workshops of Trainers on Decentralisation he Forum of Federations and Myanmar Egress in Yangon, Myanmar.
Dr Ebenzer Wilson	Environmental sc	70,000	Collaborative Research with ATREE- Rs20,000/- Court Commissioner of National Green Tribunal (NGT-South)- Rs.50,000/- Non- Profitable Consultancy Services Quality test for Educational Institutions
Mr Madappa	Bio Technology	40,000	Research work Compilation at SJC centre for Biotechnological Research
Mr. Kiran Jeevan	Social Work	10,000	Member, Education Committee, CSI-KCD

### **3.6: Extension Activities and Institutional Social Responsibility (ISR)**

The college believes that developing sensitivities towards community issues, gender disparities, social inequity etc. and inculcating values and commitment to society among students of the college fulfills the larger purpose of education itself that it provides. This is seen in the close interaction and operation of the college's social service extension associations namely the National Service Scheme (NSS), the Christian Students Association (CSA), The Josephs Outreach Centre, the Josephite Aids Awareness Movement (JAAM), and the National Cadet Corps (NCC). The college also conducts two full time courses Bachelors in Social Work (BSW) and the Masters in Social Work (MSW), which are specifically aimed at creating graduates that are sensitive to the issues and reality of society and are provided with the knowledge and tools to effect change and development in society.

These extension services have influenced students, their understanding of the existence of various ills of society both in rural and urban Karnataka, impact of various policies and practices and how these have impacted life in general. It has positively affected the knowledge generation process that happens in academics and affected value clarification among students by the process of reflection and learning.

#### **3.6.1: How does the College sensitize the faculty and students on Institutional Social Responsibilities? List the social outreach programs which have created an impact on students' campus experiences.**

- At the time of admissions, students and parents are sensitized to the role they are expected to play in alleviating social issues and development of society through their participation in Joseph's outreach programs 'Bembala' which is conducted by the Josephs Out Reach Centre during the year. Parents and students commit themselves to these programs which include a mandatory stay in village and offering their services to various programs organized in the city. This out reach centre has a fully equipped resource centre and staff who coordinate and conduct the out reach programs for all classes .
- The orientation program for freshers introduces new students to the existence and operation of the various social injustices and marginalization that prevail and how the social service associations in college attempt to address them. Students are encouraged to become members and participate in the activities of these associations.
- Mentors interact with students in helping them understand the dynamics of participating in these services.
- The Ignitors program, a program specifically catering to social issues like injustice, poverty and deprivation, gender related issues, homelessness among several other social issues is held for a week at the beginning of the semester, which in part promotes awareness among students regarding social issues.
- Students are expected to get 15 credits from participating in these extension services. Participation in NSS, NCC CSA is voluntary but participation in Josephs outreach program is mandatory.
- The various social service organizations (NSS, National Service Scheme, NCC, CSA) send senior members to classrooms to invite participation by providing information upon the procedure to obtain membership and the roles that they are expected to play.
- Orientation programs are held independently by each organization for new members at the beginning of the semester.
- The CSA conducts two orientation meetings at the beginning of the semester to sensitize new members on social issues and the roles that they are expected to play in social development.



- The NSS conducts orientation meetings as well, and divides new members into sub groups that are provided themes upon which they will create and undertake activities through the semester. The associations conduct a plethora of activities throughout the semester in order to contribute to social service and social development. The NSS conducts several day visits to social service institutions in the city (such as orphanages and old age homes) based upon individual group themes. Regular meetings of students are held in the college to provide information upon upcoming visits and review the experiences and learning facilitated by prior visits. Student input is incorporated significantly into the design and development of further programs.
- Social awareness programs are conducted and issues are often raised in public spaces regarding the importance of Voting and Dalit atrocities. Blood donation camps are conducted. The annual Human Rights celebration involves inviting children from nearby slums to include them in day long programs conducted by the association. The association have also conducted programs to visit orphanages (Sneha Nilaya) and old age homes. They have organized rallies to highlight social issues in the city. In addition, the NSS has collected and distributed relief funds and material for the victims affected by the devastation following the natural disasters that struck Nepal and Chennai in the past two years.
- The NCC conducts a best practice rigorous selection procedure that would enable students to understand the system followed in the army admission. This includes a picture perception test, a group discussion based upon the picture perception test, a general knowledge test, and a series of special interviews conducted by senior and junior under officers, the quartermaster, cadets who have attended Republic Day parades, All India Thal Sainik camps, or have represented India in Youth Exchange Programs. The NCC, under the aegis of the Director General of the National Cadet Corps, conducts several social service programs that include participation in the Swachh Bharath drive by working with BBMP Pourakarmikas to clean up a neighborhood, a rally on anti-tobacco day, activities relating to women empowerment, a street play to raise awareness regarding drug abuse, blood donation camps, working with the psychology department on anti-suicide activities, cancer awareness programs, and participation in International Yoga Day (a UN recognized program mandated for NCC by the Government of India).
- The CSA has organized several workshops outside college (in Vistar, Nama Samudram, and Glorious Promised Land). Christmas time has been set aside as outreach month for the association with regular visits to institutions for social outreach by students on Fridays and weekends. The all India fest Exodus is conducted by the CSA and held in the college each year, and activities are centered around socio-religious themes. The CSA also organized Make A Difference Day, which encourages students to work in partnership with deprived members of the community (children in orphanages and the Home Of Hope for destitutes).
- Students of BSW and MSW, as part of their curriculum, attend rural camps, tribal camps, study tours, and conduct community based projects. A 3-day participatory rural appraisal exercise is also undertaken by students.

### **3.6.2: How does the College promote College-neighborhood network and student engagement, contributing to holistic development of students and sustained community development?**

- The Joseph's Out Reach Centre organizes several neighborhood initiatives such as visits to old age homes, AIDS patients home, take classes in government schools, in graveyards for the marginalized children, act as traffic wardens at important traffic signals in the city highlighting the need to follow traffic rules and several others .All

these activities help students become more responsible and provide them insights into the kind of activity they can contribute to later in their life. The centre contacts the various govt depts. and seeks permission to carry on these activities.

- The NSS adopts villages (such as Yerrapanhalli near Hennur) for sustained community engagement and development. Students are sent in rotation on weekends to identify community problems & attempt to find solutions. Members of the association work with Village Panchayats and families, suggesting improvements and developments.
- The NCC collaborates with the Josephs Outreach wing and the NSS and send students to public spaces periodically to provide traffic assistance. Students are also sent regularly to government schools and orphanages to take classes and teach.
- In the CSA, the Exodus fest and Make A Difference program are conducted on a yearly basis to ensure sustained community improvement. Students learn skills relating to leadership and fundraising through association activities. Some students pursue the association activities further by conducting similar projects and camps of their own.
- Students of BSW and MSW conduct follow up visits to villages after the initial visit to ensure that work has been done and suggestions for development have been taken up. Students also work to build sustaining infrastructure in the villages they visit, including libraries and rain water harvesting facilities.

### **3.6.3: How does the College promote the participation of students and faculty in extension activities including participation in NSS, NCC, YRC, and other National/International agencies?**

- The college provides compensatory attendance to students who attend activities conducted by the associations. Credits are provided to students for attending and conducting activities under the aegis of these associations, as per the college norms. NCC cadets are provided supplementary examinations for attending training camps. Associate NCC Officers of the college are given permission & sponsorship for conducting and participating in activities such as the SAARC Youth Exchange Camp.
- The syllabus of BSW and MSW students explicitly include activities that pertain to social outreach. These courses also interface with the outreach wing/NSS/NCC/Gender sensitization cell to create and develop social outreach activities for the college.
- The college's outreach program is held mandatorily for students each year, with a rural visit as well as in-city visits to promote social and community development and sensitizing students issues of social concern.

### **3.6.4: Give details on social surveys, research or extension work (if any) undertaken by the college to ensure social justice and empower the under-privileged and most vulnerable sections of society.**

All extension services rendered bring alive the college motto of creating men and women for others and the vision of creating a just and secular society. All these activities are conducted by pursuing research and survey on specific locations, communities and local needs. The NSS and MSW conduct social mapping in camps as part of their initiation of work in rural areas and this activity has identified social problems through dialogue. These have resulted in providing those extension services which a particular community requires.

- Josephs Outreach program has undertaken variety of activities such as the Kill The Bill Drive to rid city of posters with BPAC, Liter Free Bangalore, Drive Against Use Of Plastic with BPAC and BBMP, Awareness Creation about Immersion of Idols in City Lakes, 3867 kg of Answer Sheets Were Recycled and provided 1800 books to the needy children, Awareness about wearing helmets at traffic signals, no honking drives and

obeying traffic rules are some of the initiatives taken by this forum. The postgraduates undertake a compulsory program in Manvi for five days to plant trees and provide other services in the villages around them.

- The social work department has been engaged in several activities such as Planting of Sapling, Organizing Medical Camp, Veterinary camps, helping the setting up of Rainwater Harvesting Plant, setting up Computer Lab and a Library, School Ground Set Up and setting up Library in different villages in Karnataka. All these have been hailed by villagers and the students get repeated offers to visit these villages.

### **3.6.5: Give details of awards/recognition received by the College for extension activities/community development work.**

The NSS has received media recognition for its activities. The NCC had applied for the title of best institution under NCC. The 2012 batch of MSW received the Yuva Chetana award for community service. The award was accompanied by a cash prize of Rs 10,000. Several media reports have come on student's efforts in assisting society in their development work.

### **3.6.6: Reflecting on objectives and expected outcomes of the extension activities organized by the College, comment on how they complement students' academic learning experience and specify the values and skills inculcated.**

Participating in extension activities has complemented the classroom learning with real world experiences. This contextualized learning has enabled students to realize that they can contribute significantly to help the less educated, deprived, and vulnerable and marginalized community of society.

There is a research component for many of the outreach initiatives which teach students how to conduct surveys and tabulate and interpret data.

- There is a transformation in students as they experience accumulation of new knowledge, clarification of their values, learn new skills, experience changes in their attitudes and behave positively towards the weak, the oppressed and the marginalized.
- Skills of personal management like building self esteem, time management, negotiation and decision making help in their personality development and develop in them a responsibility towards the others in society. Interpersonal skills of communication, leadership, negotiation and conflict management are valuable skills they learn to manage their professional life later.
- These activities instill in them a sense of patriotism, and learning about the different social constructs in rural and urban areas. Students have often moved on to helping marginalized communities by choosing profession of this kind later in life.
- Students learn the importance of working in teams and develop the value of tolerance for others viewpoints and learn to be compassionate and sensitive towards others and develop a sense of volunteering and providing selfless service.
- Classroom discussions, assignments and examinations often draw on the experiences and learning that students gather from these social outreach activities. Students of BSW and MSW are often found to convert the social issues that they have observed in field visits into dissertations and material for research. Examination questions are focused upon the experiences and learning that students have had on the field as well.
- Cadets in NCC inculcate a high sense of discipline, and tend to introduce a code of ethics into their professional work. Loyalty and respect are developed through participation in NCC activities. Two students have gone on to join the National Defense Academy, and will continue to join the Indian Military Academy.

**3.6.7: How does the College ensure the involvement of the community in its outreach activities and contribute to the community development? Detail the initiatives of the College which have encouraged community participation in its activities.**

- The college has developed a good network with various NGOs and other local bodies over the past years as the college has always been involved in such extension services. Once the village/ NGO officials are contacted, they become the nodal point for carrying out all extension services in these villages. In the city too the staff in charge contacts the officials in the concerned area and discuss with them the services that the college proposes to provide. Detailed logistics are planned to make the effort productive and meaningful.
- Villages provide housing for NSS students and staff when they arrive for their camp. Continued visits to social service facilities (such as orphanages and old age homes) have been found to encourage better operation there. The NGOs with whom the college works are in constant touch with the staff and are involved in planning. This shows their need to get support from our college. They arrange for the place of stay during their visit and provide the required support.

**3.6.8: Does the College have a mechanism to track the students' involvement in various social movements/activities which promote citizenship roles?**

- The extension activities that students take up are part of a planned curriculum so they are monitored and feedbacks from the participating organizations are also collected. This helps in improving the nature of training students are given before they are sent for extension services.
- The college provides credits for attending and involving in social service activities. Students can involve in social movements through associations as well as independently with prior permission from mentors.
- The College has introduced the use of a smart ID card with a QR code, which is scanned in order to record the details of students who have attended such activities. Students of NSS are required to maintain a volunteer work done diary, which details the social service activities that they participated in and the work which they did there.
- The Department of Social Work also collects forms from students which provide information on their contact details and the work they are doing, which provides the department with a database of information on students. The NCC keeps track of the student's achievements in joining the defence services.

**3.6.9: Give details on the constructive relationships (if any) with other institutions in the nearby locality in working on various outreach and extension activities.**

The college has networked with a large number of NGOs to carry on its extension activities. The NSS has worked with the Sneha Nilaya orphanage to promote social development. The association has also worked with the NAAM foundation in Chennai to help the relief efforts following the floods there.

The NCC has worked closely with local government schools and orphanages, sending students to teach there.

All of the extension service associations in the college do interact in creating and designing programs for students to facilitate social development and alleviation of social issues.

**3.6.10: Give details of awards received by the institution for extension activities and contributions to social/community development during the last four years.**

The 2012 batch of MSW received the Yuva Chetana award for community service. The award was accompanied by a cash prize of Rs 10,000. Students have participated in those backward regions where getting awards is not common place.

### **3.7.01: How has the College's collaboration with other agencies impacted the visibility, identity and diversity of activities on the campus? To what extent has the College benefited academically and financially because of collaborations?**

The college has collaborated with 185 NGOs at local, national and international levels and the departments of the college involved are (NSS, NCC, AICUF, Social Work, JOP). The work is community based and works at the grass root level.

The college has worked with Government agencies in sending a fact finding team to investigate harassment in the Beggar Colony. The college also collaborated with Karnataka Health Promotion Council in having a HIV/Aids prevention program. Also, with the Bruhat Bengaluru Mahanagara Palike (BBMP) for a clean drive focussing on vegetable markets in Bangalore City. Since 2011, the college students have been participating in Student social responsibility drive for

- Voter ID for residents of local slums
- Campaign for Adhar in local slums
- Campaign against govt. L.R. Nagar Slum evacuation
- Set up 4 community libraries in 4 villages.
- Installed 2 rain water harvesting in govt. Schools with sponsorships
- Donated 20 computer in rural karnataka village
- Yuva chetana award for community services
- As part of international agencies - visited Sri Lanka twice mainly to understand war violations
- 15 students did block placement in Interfaith assembly of the homeless in New York City
- 3 **women** students went to Netherlands , NGO for working on Human Trafficking and Sex trade
- 3 **women** students to Cambodia to work in area of human trafficking
- 3 **women** students to Mongolia Refugee camps
- 3 **women** students to Kenya for a development agencies training working/career opportunities
- Students are starting a center to promote Tribal Arts. This program was promoted by the Ministry of textiles, Govt. of India

All these activities has given visibility to the college in terms of recognition that it is a college that creates students who are sensitive to the reality of society. Reports about the college participation in several social actions get reported in news papers and media which is good recognition. The college has benefited immensely in the sphere of academics as these activities have influenced the class room pedagogy of many departments.

### **3.7.02: Mention specific examples of, how these linkages promote**

**\* Curriculum development:** The participation of the college in these extension services has resulted in a number of benefits to the college. Subjects from the social sciences stream have incorporated topics from these activities into the curriculum. These have helped the social work department to design experiment and implement topics and activities to enhance the quality of teaching learning and set standards in social work. The Entrepreneurship Curriculum has incorporated social entrepreneurship as a topic of study. Some of the students have been employed by them as well after completion of their field

work and services. The department of Social Work has introduced an optional paper on NGO management which is an outcome of their experiences during the field visit.

\* **Internship, on-the- job training:** These extension activities have been a boon for the students who have an inclination to pursue their career relating to these in future. It has opened up opportunities for internship for interested students and for many it has been an on the job training experience. Many of them have pursued their career in these related fields later in life.

\* **Faculty exchange and development:** Faculty participation in these extension activities has been helpful for faculty development as well. Since mentors are involved in monitoring these extension activities of their mentees, the mentors are also conscientised about social issues though they may not be teaching subjects in social sciences. Some of the faculties are invited as resource persons to deliver lectures or be a part of the program.

\* **Research, Publication:** Some of the faculty members have registered for their PhD program on topics that are related to extension activities.

\* **Consultancy, Extension:** Four of the faculty members have been providing consultancy services to organizations engaged in the extension activities which the college itself is engaged in. They have established a Memorandum of Understanding with University of North Carolina Social Work Deptt. They also conduct human rights week on campus and invite resource persons.

\* **Student placement:** NGOs with whom students have worked during their extension services have come back to offer placement to some of the students. This exercise has also helped in increasing employability of students in general.

\* **Any other, please specify**

Faculty Visit has been initiated to further exchange by visiting other colleges in the country.

**3.7.03: Does the College have MoUs nationally / internationally and with institutions of national importance/other universities/ industries/corporate houses etc.? If yes, explain how the MoUs have contributed in enhancing the quality and output of teaching-learning, research and development activities of the College?**

The college has an MoU with St. Louis University, Missouri, USA to start MA in Higher Education. An MoU with University of Minnesota is on the anvil. The college has 2 cultural exchange programs with University de Namur, Belgium (7 students from the college participated in the exchange program, students from Belgium also came here). There was a UGC sponsored International Conference on Higher Education organized jointly by the college and the St. Louis University. A paper on the outcome of the collaboration was presented in the conference. The college is currently planning to introduce diploma program as a collaborative effort with industries. Faculty who are engaged in these discussions view the process of new learning .

**3.7.04: Have the College industry interactions resulted in the establishment / creation of highly specialized laboratories / facilities?**

The college has pursued industry- academia collaboration on starting industry relevant courses in college. It has been possible to commence the post graduate course in Big Data Analytics with 28 students in collaboration with Tata Consultancy Services. This has been a big step forward keeping in mind the growing need for data analytics in the economy. The TCS has proposed to install a modern data center with teleconference facilities in the college. This can be helpful to conduct research in related areas. They have trained the faculty to teach the subject agreed to offer the salary of the teacher's for the next two years. The TCS has also collaborated with the BCom course and currently offers the BCom- BPS course. (business processing services) which is another valuable collaboration resulting in a full-fledged course itself.

## CRITERION IV

### INFRASTRUCTURE AND LEARNING RESOURCES

#### 4.1 Physical Facilities

St Joseph's college has been in its present location since 2001 after moving out from its old heritage building. The popularity of the college among those who desire quality education and the quest for offering newer courses keeping in mind the need of the city and the nation has necessitated a continuous expansion in infrastructural and learning resources. This creation of new infrastructural resources is an ongoing process as the college is currently engaged in constructing two new buildings to meet the future planned needs of the college as much as it can be envisaged.

##### 4.1.1 How does the College plan and ensure adequate availability of physical infrastructure and ensure its optimal utilization?

- The college presently offers 25 degree and 11 post graduate courses of which 18 courses have lab requirements. The college has 4121 students on its roll and 197 teaching staff and 72 non-teaching staff. With the advent of modern teaching and learning styles the need for providing ICT facility has become a necessity. Increasing number of student enrollment and commencement of additional courses has necessitated the provision of additional facilities like classrooms, staff rooms, recreational and hygiene spaces and making the campus user friendly for persons with disabilities. All efforts necessary to enhance the optimal utilization of available infrastructural facilities and maintaining the quality of academic and other programs on campus is put by the college management. The college plans well to maximize the use of available infrastructural resources to ensure efficiency, comfort and meet the needs of students and teachers.
- The college located in the heart of the city of Bangalore, presently has 8.44 acres of land which houses PG block, UG Science, UG Humanities and Commerce blocks, Fathers' residence and guest house, and a playground. The UG-H (Humanities) Block and UG-S (Science) block comprises of class rooms as well as laboratories for the undergraduate courses, well-furnished administrative offices, library, examination wing, staff seminar room, canteen and observatory. The laboratories are equipped with modern equipment of high standards. The Post Graduate and Research Centre is housed separately in one acre of land. The PG block has class rooms, library, an auditorium with a facility of 350 and a canteen. This block houses the IQAC room, PG laboratories, central instrumentation facility, administrative offices, audio-video studios and research laboratories with expensive instruments. Four conference rooms and an auditorium with all modern facilities is the auditorium block. The classrooms are designed for natural light and air. The seminar hall is well equipped with an array of hi-tech equipment.
- The college has a boys' hostel located in the campus and a girls' hostel is located about 300 m away from the campus. Lifts and ramps are available in all three blocks. The college also has television screens in all three blocks to display current activities in college. It has numerous notice boards as well. The college is under the surveillance of CCTV.
- Before the end of even semester, planning for the next academic year begins. Each department through the Head of the department puts across to the Principal the various infrastructural requirements of their respective departments. This includes size of classrooms and lab requirements. The Principal in turn discusses this with the management and finance officer and draws out a plan for addition and replacement of furniture and fixtures and for up-gradation of facilities like lab, canteen, parking space

and the playground. Maintenance work including white washing the college building happens during summer holidays. The college time table is prepared with great care to ensure the optimum utilization of available class rooms with maximum comfort possible to student and teachers. The total built in area is 7961.23m<sup>2</sup>.

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**4.1.2 Does the College have a policy for creation and enhancement of infrastructure in order to promote a good teaching-learning environment? If yes, mention a few recent initiatives.**

Expansion and development of infrastructure and learning resources on campus to meet future development needs is one of the major concerns of the college. Yes, the College has a policy for creation and enhancement of infrastructure as it is convinced of the fact that in order to promote good teaching-learning processes, good physical environment is important. The Management has upgraded the infrastructure from time to time, keeping in view the new generation of students, their needs and teaching learning needs. The college has taken several initiatives to create and enhance infrastructural facilities during the past five years. In this direction to ensure adequate availability of physical infrastructure and ensure its optimal utilization the college has provided big and spacious lecture rooms, LCD Projectors for almost all classes, overhead projectors, slide projectors, on-line gadgetries, computer center and language labs. The following table shows the additions made to the existing infrastructure.

**Table 4.1: Additions Made to Existing Facilities 2012-2016**

	Facilities	UG Humanities Block		UG Science Block		PG Block	
		Existing	Additions	Existing	Additions	Existing	Additions
1.	Class rooms	20	14	22	02	16	12
2.	Research Labs	-	-	-	-	08	02
3.	Labs	03		33	05	16	05
4.	Instrumentation rooms	-	-	02	-	00	03
5.	Library	01	-	--	-	01	-
6.	Studio	-	-	-	02	01	01
7.	Board room	-	1	-	-	-	-
8.	Extension (COE)				100.33(m <sup>2</sup> )	-	-
9.	Admin/Dept/Staff room	06	10	24	01	12	01
10	Conference Halls	-	-	02	04	01	-
11	Green rooms	-	-	-	02	-	-
12	Wash Rooms	06	02	6	-	-	-
	Any other	-	2 ATMs	-	-	-	-

**Auditorium Complex:** In 2014 a state-of-the-art Auditorium Complex with excellent acoustics lighting, security, green room, basement and necessary service points with smart seating arrangements of 1260 and four ICT enabled seminar halls, with total area measuring 3630.43 m<sup>2</sup> was inaugurated.



**Table 4.2: College Auditorium**

Floor: 1 <sup>st</sup> , 2 <sup>nd</sup> , 3 <sup>rd</sup>								
S.N.	Room	Area m <sup>2</sup>	Seating Capacity	Tables	Desks /Chairs	LCD	Glass Boards	Green Board/ Black Board
1.	Auditorium	618.71	1260	3	1264	1	-	-
2.	Reception	6.55	-	1	0/3	-	-	-
3	Basement	949.87	-	1	1/130	-	-	-
4.	Green Room Gents	25.15	-	-	0/2	-	-	-
5.	Green room ladies	29.76	-	2	0/3	-	-	
6.	Electrical room	25.15	-	-	-	-	-	
7.	Store room	2.33	-	-	-	-	-	

**Classrooms:** The College has 76 classrooms which are well ventilated and spacious. All class rooms are now well equipped with furniture and green/black chalk board and most rooms have ICT facilities. In the last five years, seventeen spacious classrooms with a total area of 1031.57m<sup>2</sup> have been added to the infrastructure. These class rooms were built to house the newly commenced courses namely B.Com, EJP and CPE, BA Film making, BA Animation, PG Big Data Analytics and PG Mathematics. Old furniture has been donated and new set of furniture has been placed in many class rooms. Ten additional staffrooms with area of 261.9 m<sup>2</sup> has also been added. A staff infirmary, a board room has also been added.

**Laboratories:** The College has well equipped laboratories and research laboratories. In the last five years, 12 labs area of 324.06 m<sup>2</sup> of laboratories space was added. One central instrumentation room was added in 2012. Two Botany and three chemistry labs were renovated. A new floor in the PG block houses the new Data Centre Labs for the new course on Big Data Analytics and a Computer science lab has been added on the second floor.

**Studios:** Since the college offers courses in media studies, additional studios namely the Viscom lab, Animation lab, Editing studio and BVC studio for the undergraduate science block and two editing studios in the PG block were added with a total area of 153.46 m<sup>2</sup>.

**Extension of the examination center:** With an increase in the number of answer scripts and the increase in staff attending to valuation, an additional area of 100.33 m<sup>2</sup> has been added for valuation in the examination room.

**Extension of the library center:** The library center has been extended to accommodate more students and other facilities which include housing another fifteen computers.

**Other additions:** Besides these additions to the existing infrastructure, the following were also added during this academic year:

An additional canteen was added in 2014 in the PG block and a food kiosk has been added in the H block.

Five additional rooms in third floor of the PG block have been constructed with a total area of 403.1 sqm.

Additional six classrooms have been constructed in the H- Block.

Additional water coolers in several points with enhanced capacity has been provided.

Two bank ATM counters operate in the campus.

Additional parking space for vehicles has been identified and allotted for parking.

Additional washrooms are provided in each of the blocks. All washrooms are cleaned twice and has uninterrupted water supply mirrors and waste bins.

Solar Energy: The campus has gone green by installing solar energy panels.

New Equipment/ computers/ laptops/ cupboards have been purchased depending on the need of the departments.

CCTV surveillance cameras are located in all strategic locations in the campus as per UGC guidelines.

- Discussions in Staff Council, Academic council and Governing council finalize the introduction of new courses and the number of students to be enrolled thus necessitating the augmentation of physical resources on campus.

- Besides these yearly requirements of infrastructural facilities, the process of long run planning is an important task of the college management. The college under its expansionary phase with more courses and its application for the status of deemed university/ RUSA requires additional infrastructure. Thus the on the basis the Perspective Plan of the Bangalore Jesuit Educational Society (BJES) and the college the expansion of the infrastructural facilities includes constructing two new buildings whose details are presented in **Table 4.3** below.

A Multi Activity Center of total area of 2155 m<sup>2</sup> the details of which are given below is being constructed.

**Table 4.3: Proposed Multi Activity Center**

<b>Ground Floor</b>	<b>First Floor</b>	<b>Second Floor</b>
Basket Ball court	Badminton Court	Multi-purpose hall
Toilets? Ladies and Gents	Gym	Toilets
Store rooms		

A new building with total area of 6925 m<sup>2</sup> is proposed to constructed, which would house state of the art library, spacious class rooms, research laboratories, staff rooms, administrative offices, and reading rooms.

#### **4.1.3 Does the College provide all departments with facilities like office room, common room, and separate rest rooms for women students and staff?**

Yes the college provides all departments with the required facilities. The college has a well-furnished office and a separate reception area near the principal's office. Each department has been provided with adequate facilities, such as staff room, furniture for individual staff member, computer with Wi-Fi facility, notice boards, OHP, printer. Many of the departments have attached washrooms and departmental library. The college also provides common rooms and ample toilet facilities both for women students and staff. Women students have separate rest rooms in all three blocks with washrooms.

#### **4.1.4 How does the College ensure that the infrastructure facilities meet the requirements of students/staff with disabilities?**

The college is sensitive to the needs of differently abled students/staff and provides facilities to meet their requirements. The college has ramps, railings along stairs, elevators and wheel chairs to make it accessible for the needy to have access to classrooms and laboratories. The college has provided a separate wash room for the differently abled staff and students. The college has three wheel chairs in each block, one wash room, and 3 Ramps. Lifts are available in all three blocks. College provides the visually challenged students with Readers; availability of devices such as computers with screen reading software, low-vision aids, scanners, mobility devices, etc., the college also has a special concession scheme for physically handicapped students. College provides a scribe/writer to students with writing disabilities.

#### **4.1.5 How does the College cater to the residential requirements of students? Mention**

- **Capacity of the hostels and occupancy:**
- **Recreational facilities in hostel/s like gymnasium, yoga center, etc.**
- **Broadband connectivity /Wi-Fi facility in hostel/s.**

The college has separate hotels facilities for men and women students. The college has two men's hostels, one within the campus and another hostel located 6 KM away from campus. The boys' hostels cater to 150 students. Hostel provides required furniture, other facilities, food and Wi-Fi connection. On campus hostel for boys has 72 rooms, 18 wash rooms,

and the hostel premises is internet enabled. An MoU has been signed with Sneha Nilayato accommodate 55 women students, which is located at a distance of 300 meter from the campus. Women's hostel has twin sharing, three sharing, four sharing and six sharing rooms. They have some recreation but no Wi-Fi connection. Women's hostel is located neighboring to the Campus, hostlers can make use of the College sports facilities of games and Wi-Fi available.

#### **4.1.6 How does the College cope with the health related support services for its students, faculty and non-teaching staff on the campus and beyond?**

The college gives importance to the health of its students and teachers. Various associations of the college arrange for talks by doctors on preventive health care, HIV/Cancer and other Communicable diseases, drug and substance abuse for students at regular intervals, is provided to the students and staff from time to time. Mentors and welfare officers also guide students on health issues whenever required. Counselors on campus take care of mental health of students. The college has an infirmary. Medical Funds/ Loans are provided to the needy staff members for major surgeries/illness. Non-teaching staff members can avail the benefits of Employee's State Insurance (ESI) Scheme.

The college is located close to three major hospitals and has tie up with one of the multispecialty hospitals, viz., St. Philomena's Hospital, Bangalore which is in close vicinity of the college. Their services are available on priority to the staff and students of the college. Loans for meeting medical expenses for staff are made available. Safe drinking water is provided in the campus.

#### **4.1.7 What special facilities are made available on the campus to promote interest in sports and cultural events?**

##### **Sports**

College believes in the holistic development of students and sports and games is an important element of this training. College has played a proactive and supportive role in encouraging sports through the years. The college has facilities for sports ranging from Badminton, Athletics, Hockey, Cricket, Football, Basketball, Volleyball, Kho Kho, Table Tennis, Kabaddi and throw ball. Indoor games, such as Chess, Caroms and Table tennis are also played on campus. The College has well qualified sport faculty with a physical director, ladies sports in charge and another male full time sports in charge. They are assisted by two other staff members. Coaches for various team games and are made available by the Physical Education Department.

A number of intra mural sports activities are conducted by the college for boys and girls separately according to schedule. Class wise events have always been a reason for students to participate in these events. A special feature is the annual athletics meet

wherein the entire college participates in the March past and prizes are awarded to best march past contingent and best well-dressed class. Class mentors also march along with their respective classes making it a lively experience for students.

Admission under sports quota, along with concession in fees is done to some extent. Some of the students get scholarships too. The college promotes student participation in inter-collegiate, inter-state, national and international sports events. Student representing the college in Bangalore University gets additional 5 marks and credits. Special Classes and Re-exams are conducted for those who miss their examination due to Sports tournaments. Students are provided with breakfast as well as snacks in the evening, after the practice sessions. College sends both boys and girls teams and individuals for various Inter-Collegiate tournaments. The college provides TA-DA for such events. Training facilities, equipment and sports uniform are made available to both boys and the girls' teams. Some of the sportsmen and sportswomen are trained at Sports Authority of India (SAI). Many of the college sportsmen and women have brought laurels for the college. A number of inter-college, matches are conducted on campus to promote the spirit of sports and the various college teams have won a number of trophies both at university level, district level and state level.

In keeping pace with the increasing number of students, the college has finalized the construction of an indoor sports complex which will house facilities such as Gym, indoor courts, and cafeteria. Construction of the same has already begun in the erstwhile games field. Table 4.4 below shows the sports facilities the college had before the construction had begun.

**Table 4.4: Special Sports Facilities Available On Campus**

1	Badminton	Permanent	17/44 Feet	We have an outdoor badminton court
2	Basketball		28/15 Feet	basketball court has been removed to construct an indoor stadium
3	Carom	Permanent	Room	Indoor
4	Chess	Permanent	Room	Indoor
5	Cricket	Permanent	8/20 Mts	Practice nets available
6	Football	Permanent	28/65 mts	Minim court available
7	Kabaddi	Permanent	12/10 mts	Available
8	Kho-Kho	Temporary	21/33 mts	Available
9	Table Tennis	Permanent	Room	Available
10	Throw ball	Permanent	12/18 mts	Available
11	Volleyball	Permanent	9/18 mts	Available

**Table 4.5: Students Participation in Sports and Games**

Sl.	Discipline	Students participate in tournaments conducted by Bangalore University			Participation in Other Major Tournaments
		Fitness Trials	Selection Trials	Tournaments	
1	American Football(M)	Yes	Yes	No	-
2	Archery(M/W)	-	-	-	-
3	Athletics(M/W)	Yes	Yes	Yes	Open Meets.

4	Badminton(M/W)	Yes	Yes	Yes	Yes
5	Ball Badminton(M/W)	-	-	-	-
6	Basketball(M/W)	Yes	Yes	Yes	Yes
7	Best Physique(M)	Yes(M)	Yes(M)	-	-
8	Boxing(M)	Yes	Yes	Yes	-
9	Chess(M/W)	Yes	Yes	Yes	Open Tournaments.
1	Cricket(M/W)	Yes	Yes	Yes(M)	Yes
1	Cross Country(M/W)	Yes	Yes	Yes	-
1	Cycling Road(M/W)	Yes(M)	Yes(Men)	-	-
1	Cycling Track(M/W)	-	-	-	-
1	Fencing(M)	Yes	Yes	-	-
1	Football(M/W)	Yes	Yes	Yes	Yes
1	Handball(M)	Yes	Yes	-	-
1	Hockey(M/W)	Yes	Yes	-	Yes
1	Judo(M/W)	Yes	Yes	-	-
1	Kabaddi(M/W)	Yes	Yes	-	Yes
2	Kho-Kho(M/W)	Yes	Yes	-	-
2	Netball(M)	Yes	Yes	-	-
2	Power Lifting(M)	Yes	Yes	-	-
2	Softball(M/W)	Yes	Yes	-	-
2	Swimming & Diving Aquatics)(M/W)	Yes	Yes	-	-
2	Table Tennis(M/W)	Yes	Yes	Yes	Yes
2	Taekwondo(M/W)	Yes	Yes	-	-
2	Tennis Court			-	-
2	Tennis(M/W)	Yes	Yes	-	-
2	Throw ball(W)	Yes	Yes	Yes	Yes
3	Volleyball(M)	Yes	Yes	Yes	Yes
3	Weight Lifting(M)	Yes	Yes	-	-
3	Wrestling & Greco Roman Style Wrestling	Yes(M)	Yes(M)	-	-
3	Yoga(M)	Yes	Yes	-	-

### Cultural Activities

The college has good infrastructure to conduct various cultural events and thus enjoys a large number of cultural events on campus throughout the year. Most of the events that attract students across disciplines take place in the UG science block under the banyan tree. Many such events also take place outside the cafeteria. Besides the college has the Xavier hall, the halls in the auditorium blocks and class rooms which are also used during lunch hours or post class hours for students to conduct cultural events. Halls are booked in advance.

The College has 52 associations and each of them have conducted some cultural events. The student council, an elected apolitical body begins the academic year with a common fresher's day which helps identify the talents of the freshers under the guidance of the

Student Council Governor and his/her faculty team. PRATIBHA intra-mural fest organized by student's council is the first cultural event that takes place in college. Activities include several cultural competitions such as Indian group dance, singing, dance, personality contest, Indian group music, battle of bands, fashion show, counter strike, quiz, JAM and street battle. This event witnesses the variety of art and culture of the diverse student body. Auditions for various cultural teams like the college dance team, classical music team and others take place to form teams to participate in intercollegiate fests. The college union organizes the intercollegiate event 'VISAGES' (prior to 2014) and 'NIRVAN' (post 2014) showcasing Dance drama, debate, extempore, costumes presentation of various communities (group event) and Historical Heroes, Laugh Out Loud/ Mad Ads, Songs of India and Dances of India as events of the festival. It is well attended by students of other colleges in the city.

Besides these two events conducted by the student council, several other programs are also held in college. The college has a number of students from the North Eastern states and to show case their culture and unique identity the North East and Tibetan Forum organizes FOOTPRINTS a cultural extravaganza presenting a series of folk dances, songs, plays and a cultural tribal show of different Tribes and Groups of the North east and Tibet. Many outsiders from the city also come to witness this cultural event. EXODUS is another major Cultural festival organised by Christian students' association of the college on Bible theme. An international students evening was also organised during the academic year 2016-17. Students celebrate Ethnic Day in the campus. Food fests organized by various associations during lunch hours are a common place in college and this brings out their entrepreneurial skills as well. The college celebrates various festivals in college and encourages theatre performances. The college choir is very popular and participates in many events inside and outside college. These cultural programme organized by different associations inculcate inter religious harmony, promote cultural exchange and build tolerance among student community. It also helps in developing the right attitude, inculcate values of empathy, creativity and courage to face life. Important skills acquired are leadership, communication, team work, time management, decision making negotiation and several more. They also learn about a variety of issues which class rooms do not permit.

The infrastructure of the college promotes the organization of such events without difficulty. College encourages students to participate in various cultural festivals taking place in city and in other states of the country for which they are invited and provides participants with relaxation in attendance for participating in such activities. They have brought laurels to the college by such participation. The College provides financial assistance for conducting inter college cultural fests and for costumes for the same. Student groups also seek sponsorship for conducting their events.

## **4.2. LIBRARY AS A LEARNING RESOURCE**

St Joseph's College Library is one of the oldest and has the largest private collection of books in the city. The library houses rare books as well as the latest books in major disciplines. It serves as a place for students to do independent academic work, beyond the class room activities. Use of computers to search for information of their interest, with the help of the librarians is an important activity of the library. The library has kept pace with the changes taking place in teaching & learning processes.

### **4.2.1 Does the library have an Advisory Committee? Specify the composition of such a committee. What significant initiatives have been implemented by the committee to render the library, student/user friendly?**

Yes, the library has an advisory committee. Every year an advisory Committee is formed under the direction of the Principal. The committee has 15 members which include the Heads of the Departments, the Librarian and Co-ordinator, the Vice Principal, Faculty from various departments and Student representatives. They meet at least once in a term and prepare general instructions and guidelines for the smooth functioning and improvement of the library. The IQAC representative also examines the quality aspect of the library by way of feedback. The Composition of the Advisory Committee has been presented in the table below:

**Table 4.6: Composition of the Library Advisory Committee**

S.No	Name	Designation
1.	Dr. Fr. Victor Lobo S.J.	Principal & Chairperson
2.	Mr. Syed Ahmed Sailani	Librarian & Co-Coordinator
3.	Mr. T.C. Shivakumar	Librarian & Member
4.	Dr. Fr. Richard Rego S.J.	Director of PG & Research Centre
5.	Prof. Clement D' Souza	Representing Humanities
6.	Dr. Cherian Alexander	Linguistics & Professional Courses
7.	Dr. Jayaram Reddy	Representing Science
8.	Dr. Poornima	Representing Languages
9.	Dr. M Nachappa	Representing Computer Science
10.	Mrs. Anusuya B N	Member
11.	Mrs. Radhika	Representing Commerce
12.	Ms. Kavya	PG Students Representative
13.	Mr. Ancel Castelino	UG Students Representative
14.	Dr Subhashini Muthukrishnan	IQAC representative
15.	Dr. Chrsto Selvan	Representing Commerce

The regular meeting of the library committee has resulted in initiating changes that seek to improve the quality of services provided by the library to students and teachers.

The library is computerized and all books are bar-coded.

- The library maintains a book recommendation register. Where in the students enter the details of the books required by them not found in the library. It is scrutinized by the librarian and forwarded to the department concerned for the final selection of the title.
- Orientation given to first year students & newly appointed staff on library use and assisting them in registering students for INFLIBNET & Delnet.
- Improved collection of printed general knowledge resources for the competitive exams (Periodicals & Books).
- Displayed the signboards to locate the books in the library
- Online Public Access Catalogue (EPAC) dedicated systems are provided
- Open access library for users
- Well trained & experienced library staff to support the student/user community in all aspects of the library work.
- Displayed a library map showing the details of the subject books kept in the almirah's.
- The library has an assistive technology from Freedom Scientific (Braille Reading Machine) (JAWS for Windows, Focus 14, 40 & 80 Blue) for those that are low vision, blind or have learning disabilities.
- Question bank: Spiral bound copies of end semester question papers are available in the library. Scanned copies of question papers are mailed to the students on request.
- Computerized Gate register to register entry of staff and students.
- (Increased) library timing is extended by one hour.

#### 4.2.2 Provide details of the following:

Total area of the library and total seating capacity

**Table 4.7: Total Area of Library and Total Seating Capacity**

Total area of the library in m <sup>2</sup>	UG Library	PG Library
1393.50 m <sup>2</sup>	1161.25 m <sup>2</sup>	232.25 m <sup>2</sup>
Total seating capacity	100 (approximately)	54 approximately)

#### Working hours

The college library working hours begin at 8:00 in the morning and close at 6:00 in the evening.

**Table 4.8. Working Hours of the Library**

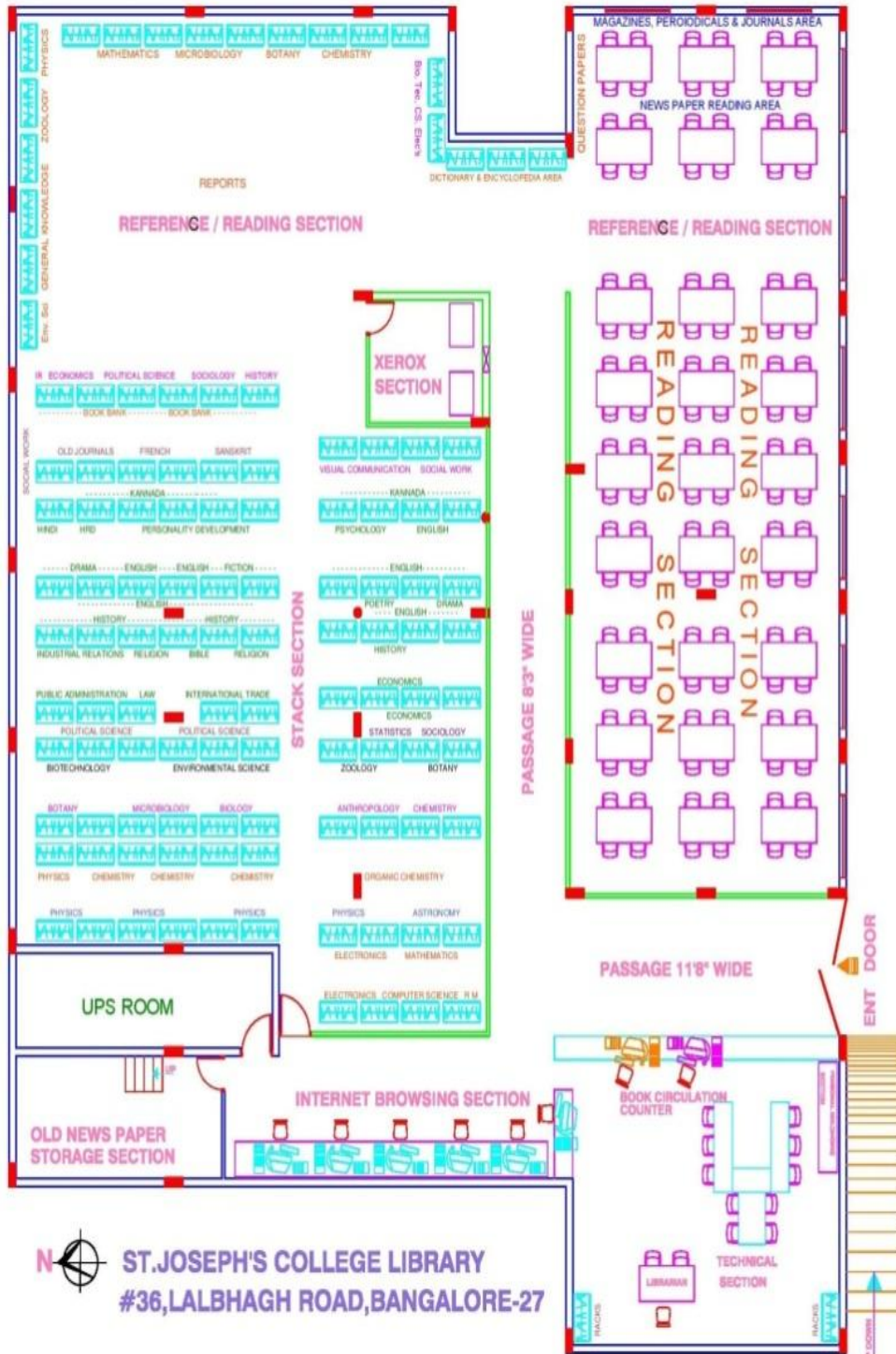
On working days	08.00 am to 06.00 pm
On holidays	--
Before examination days	08.00 am to 06.00 pm
During examination days	08.00 am to 06.00 pm
During vacation	09.00 am to 05.00 pm

- [Layout of the library](#) (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)

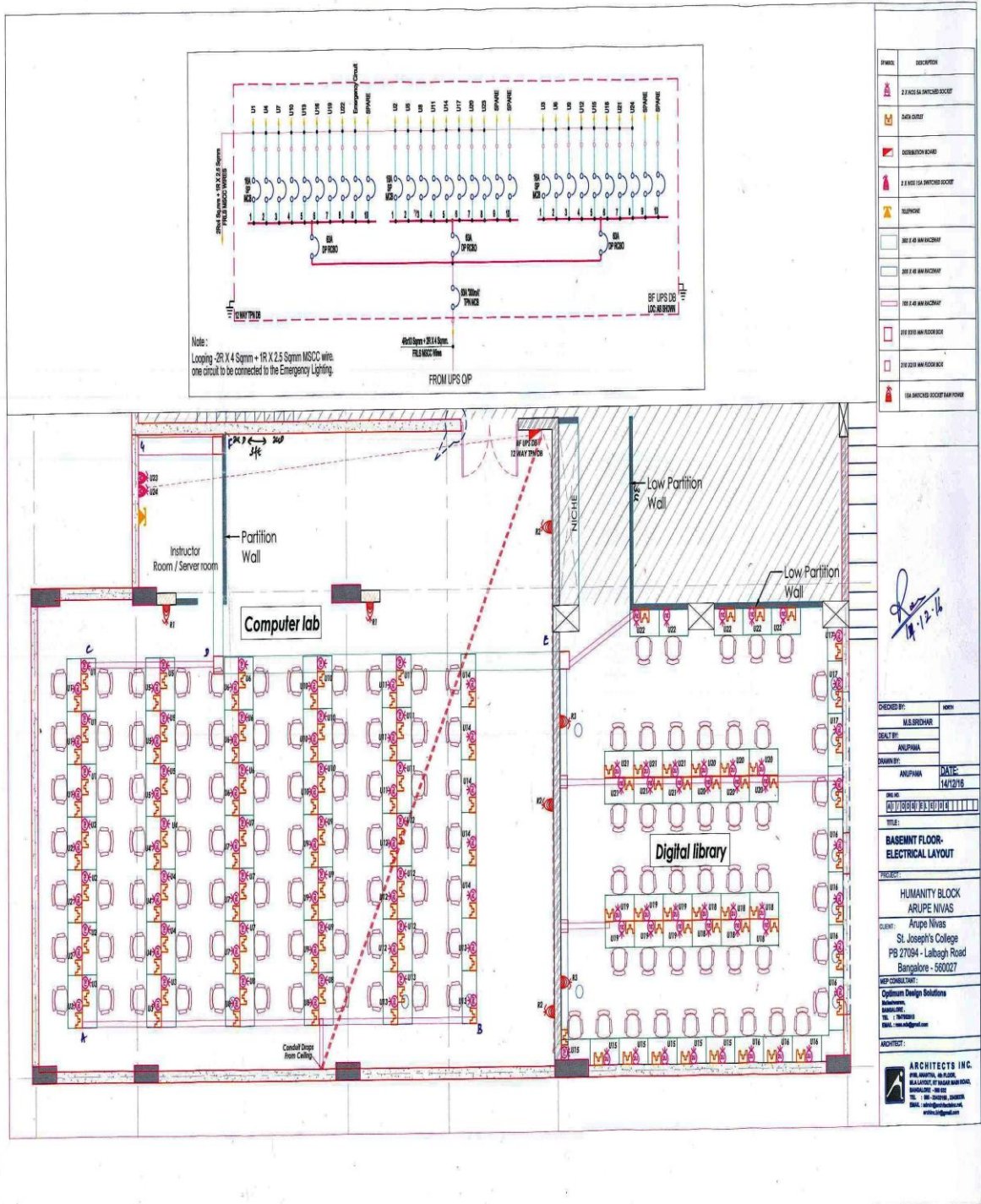
[Map 1. Library Map](#)



# LIBRARY MAP



## Map 2. Didital Learning Center and Computer Lab



A new digital library/e-learning facility has been created with 46 computers which will be available for use. Another computer lab with UPS and server has been created with 77 computers. This is mainly to facilitate the use of software programmes for commerce courses.

**Access to the premises**

Access to “Aruppe library” is prominently displayed outside the library. Prominent display of library floor plan, adequate signage, fire alarm, access to differently able users and mode of access to collection , statistics board, to map to locate all the facilities and services and rules and regulation, guide to using INFLIBNET has been done at the entrance and inside the library. The gate register records the number of users per day. The users of the library are well guided by signboards displayed inside the library. The book shelves have subject classification displayed on them to help easy access. The library has an assistive technology from Freedom Scientific (JAWS for Windows, Focus 14, 40 & 80 Blue) for those that are low vision, blind or have learning disabilities. Library staffs are seated in important points to assist students. The library also displays new arrivals prominently at the entrance.

**4.2.3 Give details on the library holdings:** A detailed list depicting the holdings of the library is presented in the following Table 4.9.

**Table 4.9: Details of Library Holdings**

ITEM	UG	PG
Total No of Books(as on 23/08/2016)	79484	9872
a) Print	79381	9046
b) Back Volumes	103	734
b)Non Print (Microfiche, AV): Educational Microfiche/CD/DVD's/Cassette's	300	86
c) Electronic (e-books, e-Journals):	e-books & e-journals from NLIST Database& Galileo Digital Learning Database.	e-books & e-journals from NLIST Database& Galileo Digital Learning Database
d) Special Collection:	Text books 20000	--
(e.g. Text book, Reference books, standards, patents)	Reference books 12000	1244
	Book Bank Books 1500	--
	Students Dissertations140	280
e) Question Bank	Spiral bound copies of end semester question papers are available in both the library. Scanned copies of question papers are mailed to the students on request.	

A two day book fair was organized where 23 reputed book publishers, distributors and seller participated showcasing academic books. Many department place order for the departmental requirement. This was the first time the college library organized an event like this. This quality initiative was suggested by IQAC.

#### **4.2.4 What tools does the library deploy to provide access to the collection?**

\***OPAC:** There are 10 systems at the entrance of the library for students to access internet etc., and to access the library catalogue.

url address for library OPAC [http://library/EPAC/EPAC\\_selorg.asp](http://library/EPAC/EPAC_selorg.asp)

[Electronic Resource Management package for e-journals](#)

The library users access e-journals from INFLIBNET's NLIST database, DELNET database.

**Federated searching tools to search articles in multiple databases**

Users feel comfortable using the Google's free search engine to search articles.

**Library Website**

Yes, the library has a separate webpage linked with college website.

**In-house/remote access to e-publications**

ID & password give to all the faculties & students to access Inflibnet's NLIST e-publications.

**4.2.5 To what extent is the ICT deployed in the library?**

**\* Library automation:**

Library is fully automated with latest version of "Easylib Software".

**\* Total number of computers for public access**

The library has 10 Computers with the following specifications.

**\* Total numbers of printers for public access**

The library has a dedicated printer with color scanner

**\* Internet band width speed 2 mbps 10 mbps 1Gb (GB) internet band width speed 2 mbps of 10 mbps each.**

The college has 20 mbps internet bandwidth speed the same is being used by the library.

**\* Institutional Repository:**

The library has a future plan to create an institutional repository

**\* Content management system for e-learning**

The library has a future plan to have content management system for e-learning.

**\* Participation in Resource sharing networks/consortia (like Inflibnet)**

Yes, the library has an Inflibnet and DELNET consortia member since 2012

**4.2.6 Provide details (per month) with regard to.**

- Average Number of Walk-Ins

**Table 4.10: Average Number of Walk-Ins**

Item	UG	PG
Average number of walk-ins	2500 to 3000 approximately	2000 approximately
Average number of books issued/returned	1840/1507	1600/1300
Ratio of library books to students enrolled-1:17 (79381:4600)		

- Average number of books added during last three years

**Table 4.11: Average Number of Books Added**

UG Library			PG Library
S/No	Academic Year	Books Added	Books Added
01	2012-13	497	575
02	2013-14	183	160
03	2014-15	653	453
04	2015-16	2002	501

- Average number of logins to OPAC

The library has an OPAC facility for the users to access the bibliographical details of the book. The users are accessing an OPAC effectively & regularly but we do not have a retrieval tool to know the numbers.

- Average number of login to e-resources

**Table 4.12: Average Number of Login to E-Resources**

	2012-13	2013-14	2014-15	2015-16	2016-17
<b>No of Login to e-Resources</b>	7732	17492	42259	67489	60609 (as on 3/08/2016)

- Average number of e-resources downloaded/printed

The library has provided e-resources download and print facility for its users & users are making use of this facility effectively & regularly but we do not have a retrieval tool to know the numbers.

- Number of information literacy trainings organized:

The details of the academic year's information literacy training schedule are intimated to students. The librarian visits each of the first year classes and orients them about the usage of library, its procedures, rules and services provided every year.

#### 4.2.7 Give details of the specialized services provided by the library

- **Manuscripts:** Nil
- **Reference:** The library has a very good collection of around 12000 books consists of important reference books in the subjects, Encyclopedias, Atlases, General Reference Dictionaries, Subject Dictionaries, Year Books, Hand Books, Biographies and Maps etc. which is regularly used by the users as and when they require.
- **Reprography:** The library has a separate reprography facility, where in students can take photocopy, print and scanned e-mail facility inside the library.
- **ILL (Inter Library Loan Service):** The library has a future plan to introduce inter library loan for its users.
- **Information Deployment and Notification:** The library is fully automated with an Easylib software. It has the feature of information deployment and notification facility, initiative is taken for the adoption of Information Deployment and Notification.
- **OPAC:** The library has the latest version of Easylib library management software, it enables the use of OPAC. The url of library OPAC [http://library/EPAC/EPAC\\_selorg.asp](http://library/EPAC/EPAC_selorg.asp)
- **Internet Access:** The library has a high speed internet facility with 10 systems to access the internet.
- **Downloads:** Download facility is provided to all library users. They can download educational information resources. For example e-books & e-journals can be downloaded from NLIST database.
- **Printouts:** Library users can take the printouts from the library, the library has an integrated reprographic facility.
- **Reading list/ Bibliography compilation:** The initiative is taken to introduce the facility of Reading list/ Bibliography compilation.
- **In-house/remote access to e-resources:** The library is a member of INFLIBNET's NLIST e-resources database. The users of the library are provided individual Username & Password to access e-resources available in the NLIST e-resource database from In-house & remote places.
- **User Orientation:** Yes, in beginning of the academic year librarians conduct user orientation to the fresh students and newly appointed staff of the college.

- **Assistance in searching Databases:** Yes, the library staff assists the library users in accessing the database.
- **INFLIBNET/IUC facilities:** Yes, the library has an Inflibnet consortia member for past many years & our institution is one of the top 3 best user.

#### 4.2.8 Provide details on the annual library budget and the amount spent for purchasing new books and journals.

**Table 4.13: Details on Annual Library Budget and Amount Spent**

		2012-13	2013-14	2014-15	2015-16	2016-17
UG	Annual Budget(Rs.)	3,56,597	2,03,593	3,45,341	7,41,474	10,32,000
	Amount spent	3,56,597	2,03,593	3,45,341	7,41,474	7,36,522-00 (as on 20-02-2017)
	Books	2,47,097	1,10,853	2,82,216	6,50,489	5,71,663-00 (as on 20-02-2017)
	Journals	1,09,500	92,740	63,125	90,985	1,64,859-00(as on 20-02-2017)
PG	Annual budget(Rs.)	3,34,420	1,81,841	4,25,797	6,02,690	5,00,000
	Amount spent	3,34,420	1,81,841	4,25,797	6,02,690	336802.89 (as on 20-02-2017)
	Books	2,71,184	1,22,546	3,59,901	5,29,875	2,63,987.89as on 20-02-2017)
	Journals	63,236	59,295	65,896	72,815	72,815 (as on 20-02-2017)

#### 4.2.9 Does the library get the feedback from its users? If yes, how is it analyzed and used for improving the library services.

The library collects both formal and informal feedback. The IQAC conducted used a questionnaire for collecting feedback. 450 students responded to the questionnaire online using Knowledge Pro software .The complaints and suggestions which are implementable/ can be solved are immediately taken up while items requiring more time is taken up as and when possible and feasible. For example students desired to have the library kept for longer hours and now it is open for longer hours than before.This effort of collecting feedback has improved the library services and the college is more sensitive to students need in library. The questionnaire is presented below

**Table 4.14: Students' Feedback on Library Services**

Share your views about the Library services, resources and facilities and the way it is delivered Course Semester Please tick appropriately

1.	How often do you visit the library?	1. Daily	2. Weekly	3. Monthly	4. Others		
2.	Are you satisfied with the library timings?					Yes	No
3.	Are the titles prescribed in your subject syllabus available in the library?					Yes	No
4.	Are you able to track the required book/journal effectively?					Yes	No
5.	Are you satisfied with the cataloging and arrangement of books?					Yes	No
6.	Does your library have adequate collection of reference books?					Yes	No
7.	Are you satisfied with the newspapers available in the library?					Yes	No
8.	Are you satisfied with the Photostat facilities provided in the library?					Yes	No
9.	Are you satisfied with the seating arrangements in the library?					Yes	No
10.	Are you satisfied with the ambience in the library?					Yes	No
11.	Do you seek assistance for book/journal search?					Yes	No
12.	Do you receive the required assistance?					Yes	No

13.	Have you registered for INFLIBNET's NLIST?	Yes	No
14.	Was the library use orientation given at the beginning of your course useful?	Yes	No
15.	Are the library staffs co-operative & helpful?	Yes	No

The analysis of the feedback was carried out and the suggestions were collated and handed over to the librarian and to the principal for further action.

#### 4.2.10 List the infrastructural development of the library over the last four years.

The list of infrastructure added during 2012-17 is presented below in Table 4.15

**Table 4.15: Infrastructural Development of the Library 2012-16 (PG+UG)**

	2012-13	2013-14	2014-15	2015-16	2016-17
<b>Building Added</b>	none	none	none	none	900sq.ft.
Hardware Added(Computers etc.)	none	none	3+5 Computers (UG&PG), GDLC Server (UG)	none	none
No. of Book Shelves Added	3 shelves	none	none	none	10 double sided steel shelves
Furniture Added	none	none	none	none	UG- 3 Journal Racks+ 1 CD/DVD's Rack. PG- 1 CD/DVD's Rack.
Other CCTV	none	none	none	none	3+1 (UG & PG)

#### 4.2.11 Did the library organize workshop/s for students, teachers, non-teaching staff of the College to facilitate better Library usage?

Yes, library organizes workshops/orientation for students, teachers and non-teaching staff in the beginning of the academic year to facilitate the effective use of library sources. The librarians visit first year classes in the beginning of the academic year to appraise them of the library services. As and when the library procures new information system it conducts an education programme for the student's teachers and non-teaching staff.

### 4.3. IT Infrastructure

The college uses IT since a couple of years in its administration of student admission and examination system and in a city like Bangalore with teachers and students being tech savvy the dependence on IT has only increased. The college has since integrated ICT in its teaching learning processes.

#### 4.3.1 Does the College have a comprehensive IT policy addressing standards on IT Service Management, Information Security, Network Security, Risk Management and Software Asset Management?

Even though the college doesn't have comprehensive IT policy in writing, the college addresses this issue from time to time by allocating separate funds to update IT facilities. Use of ICT has become popular among teachers in classes today and students depend on it for their academic purposes of downloading educational material, submitting assignments and making presentation in class. The entire college is Wi-Fi connected; each department has a one or two computers and laptops and UPS for regular backup. The college has ERP software KnowledgePro to carry out its data management services

like attendance, marks, hall ticket downloading, results, admission and feedback collection.

A full time computer staff is appointed to maintain the services. There are 300 antivirus software, Firewall for all the systems. We are shifting Ubuntu. Dedicated Internet leased line of 10 MBPs each. Total 20 MBPs

#### 4.3.2 Give details of the College's computing facilities (hardware and software).

The summary of computers, printers and scanners and projectors available in the college are as follows:

**Table 4.16: Number of Computers, Printers and Scanners and Projectors**

S.No.	Item	Number
1.	Total number of Computers	380
2.	Total number of Printers	63
3.	Total Number of Scanners	4
4.	Total Number of Laptops	32
5.	Total Number of Projector	82
6.	Total Number of Licensed Software	20
7.	Total Number of photocopier machines	6

- Student Computer Ratio for courses where computer is must

**Table 4.17: Student Computer Ratio in Computer Usage**

S.No.	Course	Student- Computer Ratio
1.	BCA	1:1
2.	B.Sc. Computer Science	1:1
3.	M.Sc. Computer Science	2:1
4.	B.Sc. Electronics	2:1
5.	B.Voc.	1:1

- **Dedicated computing facility and Wi-Fi facility:**
- The campus is connected through fiber-optic cables, STP cables and UTP Cables for network and campus connectivity.
- Internet Security is provided through firewall Cyberom 750 ING.
- Computer and internet facility is provided to all the departments.
- One full time System Administrator is appointed for maintenance of IT infrastructure of the campus.
- At the same time, provisions are made in the budget for Annual Maintenance (AM) for maintaining the hardware.
- New IT infrastructure is added/updated whenever a need arises in the department(s). The needs/ requirements are in terms of software up gradation, purchase and maintenance.
- Propriety software / Open source software:
- Licensed Software, Servers and CCTV Cameras
- Number of nodes/ computers with internet facility
- All the Departments/buildings are Wi-Fi enabled through indoor routers. There are total nineteen Wi-Fi routers and one controller for intra network connectivity.
- **Any other**
- Student, staff and campus security is maintained through CCTVs cameras installed in multiple places in the campus.
- The college maintains fully operational website 'www.sjc.ac.in'.
- Online admission and for supplementary examination students who are out-stationed can apply online.
- Self-appraisal, student feedback, alumni is done online.



- The students' attendance and examination related work is fully computerized using 'Knowledge Pro' software and college website.
- The college has collaborated with The employees can verify through 'Direct Verify' Online verification of certificates and other documents of the students from any part of the global has been possible due to this software.
- Bio metric attendance system has been put in place for staff.
- Attendance, marks and other academic details are updated on the automation software and are available for students, parents and teachers online via college website.
- ICT enabled class rooms
- Teachers are encouraged to participate in IT oriented courses to get familiarized with the new developments in the IT field.
- Increase in the number of computers according to the requirements of the departments.
- Office Computerization

#### **4.3.3 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?**

The college has enjoyed autonomy since 2006 and with it came changes in curriculum, nature of assignments given, practicals designed, monitoring student progress and several other activities. To bring in accountability and efficiency in administration, including college admissions, announcement of results, transfer and migration certificates, on line verification of past students, functioning of library and many more activities like Placement has made the use of IT imperative. The college thus considers ICT as an integral part of its regular functioning and makes institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities in the most effective way. This plan takes into consideration various criteria, such as courses, curriculum, student and staff requirements varying from department to department and also college as a whole. IT facilities have been upgraded in several phases during the past five years. The old computers are shifted for web practicals and new software has been purchased. Recently the college has increased the speed of internet connectivity, to number of Wi-Fi routers, and ERP app for mobiles in knowledge pro software.

#### **4.3.4. Give details on access to online teaching and learning resources and other knowledge, and information provided to the staff and students for quality teaching, learning and research.**

- Faculty members and students have free and unlimited access to Wi-Fi internet and computers at college.
- Many teachers use internet resources like INFIBNET, You Tube, some use MOOC courses, MOODLE, blog, Tumblr and other tools in their teaching.
- Students use internet facilities for completing their learning assignments.
- Scanned copies of question papers are mailed to the students on request.
- The library has an OPAC facility for the users to access the bibliographical details of the book .
- The library is a member of INFLIBNET's NLIST e-resources database and users can access e-resources available in the NLIST e-resource database from In-house & remote places.
- Online software and portal such as Course Portal, R-Software, InDesign, Moodle are also accessed.

- The college is also conscious of the deleterious consequences of unlimited use of internet services on campus and it has enabled a Firewall to prevent students from possible abuse of the otherwise useful service.
- Faculties also discuss with students the issue of ethics in using IT and plagiarism.
- Two lectures on Intellectual Property Rights specially focusing on plagiarism have been delivered in college during 2012-2016 to educate teachers on the same.
- An antiplagiarism soft ware has been acquired by the college.

#### **4.3.4 Give details on the ICT enabled classrooms/learning spaces available within the College and how they are utilized for enhancing the quality of teaching and learning.**

- 63 ICT enabled classrooms. All the classrooms in PG block are ICT enabled. In UG block 77% classrooms are ICT enabled.
- The humanities block has 21 ITC enabled classrooms, science 25, and post graduate 15 and auditorium 03 rooms.
- Faculty and students make PPTs and present videos and share other online resources.
- ICT s are used to conduct various activities, such as quiz, student lectures, competitions etc. some important and useful video lectures are downloaded screened to students.
- Students and teachers also access Coursera open online courses. Some classes have Google groups and it is used as platform for sharing learning resources among the group.

#### **4.3.5 How are the faculty facilitated to prepare computer aided teaching-learning materials? What are the facilities available in the College or affiliating University for such initiatives?**

All staff are knowledgeable about using IT in college. This enables the staff to use the IT available in college to their best advantage. They have access to free internet connectivity in the campus on all days of the week to prepare their own CAD teaching and learning materials. Each department has been equipped with sufficient number of computers to facilitate in preparing CAD materials. The staff prepares their PPTs, screening audio video material in software according to their need. Teachers take their department/own laptop to class for use.

#### **4.3.6 How are the computers and their accessories maintained?**

A full time system administrator has been appointed by the college. He attends to all issues connected with maintenance at the earliest time possible. Computers and accessories procured under various agency funding is maintained through AMC.

#### **4.3.7 Does the College avail of the National Knowledge Network connectivity directly or through the affiliating University? If so, what are the services availed of?**

The college avail National Knowledge Network connectivity through Inflibnet's N-list, DELNET. Inflibnet N-list is used for accessing remote e-journals.

#### **4.3.8 Provide details on the provision made in the annual budget for update, deployment and maintenance of the computers in the College?**

Since many teachers have research projects of their own, they purchase the required IT services and computers on their own and is not reflected in the annual budget of the college. The college expense for the Annual Budget for Update, Deployment and Maintenance of the Computers is presented in the following table.

**Table 4.18: Annual Budget for Update, Deployment and Maintenance of Computers**

SN	Year	Total cost of purchase Computer/Laptop (Rs.)	Maintenance Cost(Rs.)
1	2012-13	7,00,640	5,15,546
2	2013-14	8,98,740	4,70,229
3	2014-15	16,14,357	3,34,007
4	2015-16	8,50,113	4,90,461

#### 4.4 Maintenance of Campus Facilities

##### 4.4.1 Does the College have an Estate Office / designated officer for overseeing maintenance of buildings, class-rooms and laboratories? If yes, mention a few campus specific initiatives undertaken to improve the physical ambience.

- The College has a Manager as a full time staff to oversee the maintenance of buildings, classrooms and laboratories. He has a maintenance manager and team of forty staff to assist him.
- A feedback was collected from students on infrastructural services and 861 students had participated in the survey on line. 92.28% of students who responded said that the campus was kept adequately clean. The feasible suggestions given for immediate attentions are attended to and larger issues are being attended to. This collection of feedback has been an initiative of the IQAC and has been helpful in improving the services provided.
- The college has taken the initiative to educate students of keeping the campus clean specially after conducting events on campus. The college is conscious of the large waste it creates.
- Waste is segregated into wet and dry waste and public spaces have different bins for the same. The campus is kept clean with the BBMP clearing off the waste.
- Full time Lab attenders attend to the maintenance of labs in campus.
- Wherever possible maintenance contract is made with the provider of the equipment after the warranty period is over. This ensures uninterrupted working of the equipment such water-coolers, photocopiers and batteries and the like.
- Voltage stabilizers and UPS systems have been installed to protect the expensive equipment the college has purchased and installed.
- The college has a back-up generator to ensure uninterrupted power supply. The college has solar power system which saves on its electricity bills and all bills are paid on time to provide uninterrupted services.
- The capacity of the water storage tank has been increased to provide uninterrupted water supply. Minors repairs required are informed to the principal who in turn passes the work to the manager who takes the necessary actions.

##### 4.4.2 Does the College appoint staff for maintenance and repair? If not, how are the infrastructure facilities, services and equipment maintained? Give details.

- The College Financial Administrator supported by a full time Manager, and a maintenance officer to oversee the maintenance and repair of infrastructural facilities and services.

- Forty full time house-keeping staff keeps the whole campus clean.
- A qualified electrician looks after routine maintenance work of all electrical installations and a carpenter is available on call for required work.
- Permanent contractors are available for plumbing works.
- The campus is cleaned once during the day while the washrooms are cleaned twice a day.

**Table 4.19: Expenditure on Campus Maintenance**

S.N	Year	Building Rs	Furniture Rs	Equipment Rs	Computer Rs	General Repair Rs.	Total in Rs.
1.	2012-13	1,27,50,966	29,62,188	27,75,640	7,00,640	66,17,615	2,58,07,049
2.	2013-14	8,36,08,080	7,74,938	15,76,007	8,98,740	1,13,75,083	9,82,32,848
3.	2014-15	1,06,71,760	15,63,446	30,74,028	16,14,357	68,11,401	2,37,34,992
4.	2015-16	93,89,798	3,38,343	20,94,272	8,50,113	45,10,735	1,71,83,261

*Any additional information regarding Infrastructure and Learning Resources, which the institution would like to include.*

**Future Plans:** The college is under its expansion phase as many more courses are underway. The college has also applied for the status of deemed university/ RUSA and to this end the college is adding infrastructure. The following is the building under construction.

A Multi Activity Center of total area of 2155 m<sup>2</sup> the details of which are given below is being constructed.

Table 4.20: Planned Facilities for Multi Activity Center

Ground Floor	First Floor	Second Floor
Basket Ball court	Badminton Court	Multi-purpose hall
Toilets' Ladies and Gents	Gym	Toilets
Store rooms	total area of 6925 m <sup>2</sup>	

Work for constructing a new building with total area of 6925 m<sup>2</sup> has begun, which would house state of the art library, spacious class rooms, research laboratories, staff rooms, administrative offices, and reading room.

## **CRITERION V**

### **STUDENT SUPPORT AND PROGRESSION**

The college has continued to pursue its stated vision and mission statement with the educational objective of preparing men and women for the service of others. Several opportunities are provided within the college to raise the level of formation making it one of the top institutions of the country. Stress is laid on academic excellence, character formation, social concern and human development. The college enjoys a cordial and healthy relationship between the students and staff which results in positive outcomes like campus discipline and increased participation in various college activities. The counseling services provided by teachers have been helpful in building a climate of trust and openness which has made life on campus more meaningful, both for the students and the staff.

#### **5.1 STUDENT MENTORING AND SUPPORT**

**5.1.1 Does the College have an independent system for student support and mentoring? If yes, what are its structural and functional characteristics?**

##### **Formalized Mentoring system**

- The college has an independent system for student support and mentoring. Student support takes the form of mentoring, counseling, co-curricular programs like departmental associations, outreach programs, remedial courses and financial support.
- Once a mentor is allotted to a class/set of students, the mentor journeys with the class till its final year which ensures that a good rapport is built between the mentor and the mentees.
- The college allots a mentor for every 35-40 students of a class with the mentor preferably taking classes for the mentees. Each mentor maintains a bio-data of the student in a fixed format. The number of students under the care of each mentor is small which facilitates a more efficient mentoring process
- Mentors monitor the academic performance and keep track of the regularity of the mentee. They counsel them and if required, invite parents of defaulters for discussion. All mentors are available to meet parents on Parent-Teacher Day in college.
- The mentor is supportive towards the student and acts as a link between the student, department and the welfare officer. They provide support or guidance in specific ways in which the student may require.
- The mentor's role is to create awareness among students about various facilities like the library, Internet access, scholarships, remedial programs, mid-day meals scheme available, the credit system and the motto of the college.
- They also inform students about various bodies like the NSS, NCC, AICUF, CSA, Cultural Association, Grievance Committee, placement activities, certificate courses, and sports activities and encourage them to participate.
- The mentor helps students become aware of the different college officials like the Principal, Vice-Principal, COE, Deans, Welfare Officers and HoDs and their roles. The mentors also serve as the link between parents and the college and parents during times of need.

Experience shows that students get a supportive atmosphere right from the time they begin their life at our college and this has helped in preventing any major discipline issues and also encourages the smooth functioning of the college. Both young and senior teachers are mentors to students and this helps the younger faculty as well.

### **Formalised Counseling System**

- The college has a well-developed counseling system which helps and supports students both in the academic challenges they face and the personal, deeply private disturbances they encounter.
- Both formal and informal counseling takes place throughout the year. Many of the senior teachers are trained counselors, are approachable and available to meet students in need.
- Besides this informal counseling, there is a network of four trained counselors operating from three different places in the college namely one in the science block, two in the humanities block and one in the post graduate block.
- The number of students seeking formal counseling services has increased and the college now encourages the concept of peer counseling. To initiate this, a set of three to four students who have benefited from counseling services and are willing to be of help to others, visit classes and share the need for maintaining good mental health and advocate the need to seek counseling help as a support for their wellbeing. The system is working well as the number of students seeking such help has increased.

### **5.1.2 What provisions exist for academic mentoring apart from class room work?**

- The departments encourage students to organise and attend talks, seminars and workshops to keep them abreast with the frontier areas of research in the various disciplines as well as attain focus on future career goals. This gives students a chance to participate along with their teachers.
- Students desirous of participating in seminar, conferences and workshops outside college reach out to faculty for guidance to write research papers.
- Advanced learners and motivated students also attend summer fellowships/internships to equip themselves with theoretical as well as practical expertise. The mentors keep track of such participation and subject teachers guide them in their activities and guide them on credits obtained.
- The academic activities of the college are categorized under three broad headings namely Physical Sciences, Natural Sciences and Social Sciences. A total of 80 workshops/seminars were conducted by various departments of the college during 2012-2016 of which 35 were held by physical sciences departments, 20 by natural sciences and 23 by social sciences and humanities. (ref: Department Evaluation Reports).
- All departments have a co-curricular that cater to diverse needs by organizing fests, talks, programs, debates, skits, etc. that delve into the disciplines where mere classroom teaching cannot foray.
- These are nearly 52 associations in college under various departments and all of them cater to co-curricular and extracurricular activities. These programs also require students to claim their attendance for attending these programs from their mentor. A total of 65 different activities were carried out by the social sciences and languages departments, 59 by natural sciences and about twenty-five activities by the physical sciences associations.

### **5.1.3 Does the college provide personal enhancement and development schemes for students? If yes, describe techniques employed e.g. Career counselling, soft skill development etc.**

- A 15-hour course on Human Resource Development is conducted for all students in one semester which aims at equipping them with skills of self-management, interpersonal relationships and team working.
- ‘Ignitors’ is another week long program which is aimed at personal growth with issues of personal and inter personal nature Besides during the 15-hour course on theology students are introduced to religion.
- Work place preparedness is done by the Centre for Skill Development and Placement Cell (CSDP). The CSDP makes it possible for students to seek internships, and many courses require students to compulsorily undergo an internship during their course.
- Career guidance, resume writing, mock interviews, competency mapping and recruiter talks from various companies also help students to understand the world of work.
- The center posts notices on the notice boards and on the college monitors about the various upcoming opportunities in terms of placement. The placement officer has the email IDs of all students interested in placement, and sends across individual mails regarding these events to students. Regular talks on pursuing higher education programs in India and abroad is organized by the CSDP.
- Regular student presentations during class hours helps students develop public speaking skills and builds confidence in them. Students also develop team working skills through assignments, exhibitions, and events organized inside and outside college.
- Intrapersonal, intragroup, and intra-ethnic communication is taught and encouraged by all associations.
- Intercollegiate activities are regularly held and organized by the students of different departments
- Food festivals along with the sale of handicrafts and other items encourage entrepreneurship skills among students.

### **5.1.4 Does the college publish its updated prospectus and handbook annually? If yes, what are the activities/information included / provided to students through these documents? Is there a provision for online access?**

- The College publishes its prospectus both as a soft copy on the college website: [www.sjc.ac.in](http://www.sjc.ac.in) and as a hard copy on a yearly basis, which includes details on the inspiration for the formation of the college, the vision and mission statement, the aims and objectives that it has for itself and its students, the details of the academic program.
- Detailed instructions are provided regarding the admission process; including the required documentation, entrance tests, application fees, and procedure for online application. Since 2015, fewer number of prospectuses are printed as admissions are completed online.
- The student handbook has college rules and regulations, role of class mentor and their names; rules relating to attendance, library and labs, book bank, the list of faculty members, their qualifications, the mentor list, information about games, cultural and social life, campus amenities and the various committees functioning in the college and IQAC.
- Information about the evaluation system under autonomy presents details of assessment and functioning of the examination system such as the autonomous structure, credit system, grades, term paper, attendance and examination system, supplementary examinations, grievance redressal system and certificate courses.

- The handbook includes information on rules and regulations of the college and functions of different college officials. It contains the calendar of events for the entire academic years including sports, cultural and examination dates.
- The Hand Book has a leaf for maintaining attendance by recording the days of absence which is signed by the parent and mentor.
- The information regarding the various aspects of the college from time to time is also put up periodically on the college notice boards. Notices also go the classes whenever required.

**Table.5.1: Activities/Information Included in Student Handbook**

Aspects covered	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
Details of the student	Yes	Yes	Yes	Yes	Yes	Yes
Vision and mission of the college	Yes	Yes	Yes	Yes	Yes	Yes
College anthem	Yes	Yes	Yes	Yes	Yes	Yes
College regulations	Yes	Yes	Yes	Yes	Yes	Yes
Policy on sports and cultural	Yes	Yes	Yes	Yes	Yes	Yes
Attendance and study	Yes	Yes	Yes	Yes	Yes	Yes
Rules of the library	Yes	Yes	Yes	Yes	Yes	Yes
Credit system (CGPA)	Yes	Yes	Yes	Yes	Yes	Yes
Grading system	Yes	Yes	Yes	Yes	Yes	Yes
Policy on sports and cultural activities	Yes	Yes	Yes	Yes	Yes	Yes
Foundation course and certificate course details	Yes	Yes	Yes	Yes	Yes	Yes
Term paper details	Yes	Yes	Yes	Yes	Yes	Yes
Grievance cell	Yes	Yes	Yes	Yes	Yes	Yes
Facilities available in college ( canteen, photocopying, placement )	Yes	Yes	Yes	Yes	Yes	Yes
Exam Hall rules (malpractice )	Yes	Yes	Yes	Yes	Yes	Yes
Full academic calendar with details of events	Yes	Yes	Yes	Yes	Yes	Yes
Record of absence of student	Yes	Yes	Yes	Yes	Yes	Yes
Milestones of college	No	No	no	Yes	Yes	Yes
CBCS (choice based credit system)	No	No	No	No	No	Yes
Outreach programs	No	No	No	No	No	Yes
Josephite research forum	No	No	No	No	No	Yes

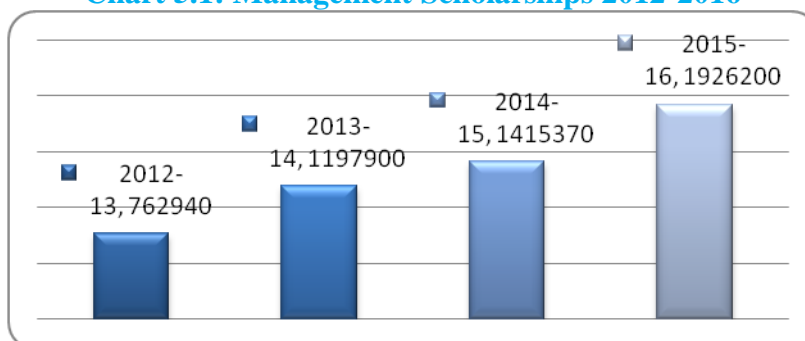
**5.1.5 Specify the type and number of scholarships/freeships given to students (UG/PG/M.Phil./Ph.D./Diploma/others in tabular form) by the College Management during the last four years. Indicate whether the financial aid was available on time.**

The college management gives preferential option for the poor and provides financial support to students to pursue their education. It provides free ships and scholarships to needy students. The student's academic performance is monitored for the continuation of such scholarships to ensure that the scholarship is disbursed on time. The number and amount of such scholarships has been increasing over the years.



**Table 5.2: Management Scholarships 2012-2016**

Academic Year(s)	No. Of Recipients	Total Scholarship Awarded
2012-13	113	Rs. 7,62,940
2013-14	172	Rs. 11,97,900
2014-15	174	Rs. 14,15,370
2015-16	176	Rs. 19,26,200

**Chart 5.1: Management Scholarships 2012-2016**

### 5.1.6 What percentage of students receives financial assistance from state government, central government, and other national agencies? (e.g., Kishore Vaigyanik Protsahan Yojana (KPVY), SN Bose Fellow etc.)

Various agencies are involved in this pursuit. The following table contains details of the agencies and quantum of compensation available.

**Table 5.3: Total Financial Assistance Received from Different Agencies Year-wise**

	Name of Scholarship/Agency	2012-13	2013-14	2014-15	2015-16
1.	Minority Scholarship	10,000	40,000	6,724	-
2.	Department of Social Welfare	11,338	26,701	14,572	21,296
3.	West Bengal Minority	8,700	-	-	-
4.	Ex-servicemen	600	1,200	-	-
5.	ICCR Scholarship	1,15,500	5,43,300	1,83,910	1,83,910
6.	Talent Promotion	5000	5,000	-	-
7.	Arunachal Pradesh Scholarship	-	29,505	13,890	13,890
8.	Education Loan Scholarship	-	-	2,30,450	2,30,450
9.	BBMP Scholarship	-	-	54,000	54,000
10.	Karnataka Minority Scholarship	-	-	70,000	70,000
11.	Arch Bishop Scholarship	-	-	-	8,275
12.	Jyothi Foundation	-	-	-	10,000
13.	Infant Jesus	-	-	-	14,000
14.	Sacred Heart Church	-	-	-	19,000
15.	Bishop and Procurator	-	-	-	4,500
16.	The Catholic Syrian Bank	-	-	-	80,000
17.	Rotary Club	-	-	-	16,000
18.	N.A Haris	-	-	-	20,000
19.	Meerans Charitable Trust	-	-	-	25,000
20.	Maymar Charitable Trust	-	-	-	6,000
21.	Anjuman Scholarship	-	-	-	2,000
22.	Fath Abu Jbaida Trust	-	-	-	3,500
23.	Menda Foundation Scholarship	-	-	-	25,000
24.	Jain Charitable Trust	-	-	-	4,000

### **5.1.7 Does the college have an international student cell to cater to the needs of foreign students? If so, what measures have been taken to attract foreign students?**

Students from different parts of the world come to study in the college and so in 2014, the College started International Students Service (ISS) in collaboration with the Indian Council for Cultural Relations with the purpose of attracting foreign students. Beyond this, word of mouth of alumni, who have had a satisfying experience in college, and the college website are important sources of dissemination of information to students from different countries.

### **5.1.8 What type of support services are available for:**

#### **Overseas Students**

- The college's Nodal Officer for the International Students Service (ISS) is the contact point for student support for the foreign students. The office in charge meets the foreign students at the beginning of the academic year to get to know them and understand their needs. Thereafter the officer helps them to orient themselves to the new environment, and also helps them find safe and suitable accommodation in the city if that support is needed.
- Conducting International students' events, working closely with Indian Council Cultural Relations (ICCR), and with Foreign Regional Registration office (FRRO), and stay in contact with the local police personnel are some of the other support services the nodal officer provides to this group of students.
- Special guidance and services are rendered to foreign students during their visa renewal and also support is given to them. The Nodal Officer conducts meetings once a month with the students and a Fest is conducted once in a year to nurture their culture.
- Since 2012 bridge courses featuring speaking and writing in English have been periodically offered to students from Afghanistan,

#### **Physically challenged / differently abled students**

- Students provide information about their disabilities if they require special attention. Occasionally, individual teachers identify such students. At times parents meet the class mentors and share their concerns and the concerned teachers provide support in whatever way possible.
- Giving exemption from learning languages, separate question papers and extension of examination time are some of the support services available to such students.
- Separate rooms are arranged during mid semester tests and semester exams for such students.
- A separate place is arranged in the library to favor their reading requirements and a special software is available for use for them.
- To assist them in physical movement on campus, facilities like lifts, ramps and railings are available in all three blocks.
- A special ground floor room is available for a faculty with physical disability. Wheel chair facility is available for those who require it.

#### **SC/ST, OBC and economically weaker sections**

- Students requiring any specific help if communicated to the mentor or any faculty member are assisted whenever possible.
- Students get access to 4 books per semester from "Book Bank Books" to help the needy among the SC/ST category.

- Mid-Day Meal Scheme is available for the economically weak students when they apply for it. The scheme is digitized and students use their ID card with barcode to access the canteen for meals.
- Wherever needed, financial support is given to the needy students and some of the fee is waived off.
- In case students require academic support the mentor or subject teachers attempt to provide such help.

#### Students to participate in various competitions/ conferences in India and abroad health centre, health insurance etc.

- Students are encouraged to participate in as many competitions/conferences in India and abroad as possible.
- Teachers help students in case they wish to present papers abroad. Activities range from academic to cultural to sports and extension services.
- Students are reimbursed for their travel if the college is informed beforehand about their participation and they get their attendance waived off for their absence.
- For students with musical interests, a room is available for this purpose. Students practice dance in designated places on campus.

#### Health Centre, health insurance, etc.

During 2011-12, an attempt was made to provide health insurance for St. Joseph's College hostel students. Due to poor response it was dropped. First aid boxes are available with 3 vice principals, main gate security and with the manager. An infirmary is available in case a student requires. Since the college is situated close to hospitals, during any times of need the student is taken to the hospital.

#### Skill development (spoken English, computer literacy, etc.), exposure of students to other institutions of higher learning/ corporates/business houses, etc. publication of student magazines

- Skill development is integrated into the teaching learning process wherever possible by giving opportunities to students to make presentations in class, organize events in college, take part in group discussions and learn to live and work together during their extension and outreach programs. These help them develop skills of self-management, interpersonal, group skills and develop the right attitudes for life.
- The Centre for Skill Development and Placement (CSDP) focuses on developing work related specific and professional skills.
- Talks by industry personnel on the requirements of particular set of skills in particular industries are arranged.
- Mock Aptitude tests are conducted to prepare students for Aptitude test which most companies use as a screening device.
- Students are encouraged to attend seminars and workshops on skill development in other colleges when the college is invited.
- Collaboration with different organizations for skill development for different batches of students is also done in college.
- Conducting sessions on resume writing, getting ready for interviews and interview skills is arranged by the CSDP.
- Students are informed about various education fairs happening in the city by placing posters which are received by the center on a regular basis.
- Spoken English classes as such are not taken but special attention is taken to facilitate learning English.

- Since 2006 the English Department conducts a diagnostic test at the entry level based on which students are streamed into three categories so as to deliver customized teaching according to specific learner needs. A strong emphasis is placed on classroom discussion/debate/small group interaction so as to develop skills in Spoken English. Students are streamed according to writing abilities and given adequate challenges to help with improving reading and writing abilities.
- Since a basic course on computer literacy is compulsory for all students, no other special class is taken to develop computer skills. Also living in a city like Bangalore makes most students learn computer skills. The need for submitting their assignments in print out form and making PPT in class also make them learn computer skills.

#### Performance enhancement for slow learners / students who are at risk of failure and dropouts

- Mentors and subject teachers analyze the results attained after mid semester tests to reveal if any student requires assistance and then provides the necessary help
- Sometimes parents inform teachers about this and suitable support is given. Personal counseling is encouraged, if required.
- Depending upon the need, peer teaching is encouraged and at times post graduate students assist in the academic requirements of weak students.
- Subject notes and old question papers are suggested to these students to make up for their difficulty with subjects.
- Teachers guide them with better learning and study skills.
- Attention is given to students having language barriers and they are helped in vernacular languages as much as possible. Some students prefer to write their exams in vernacular languages in the first year for fear of failure which is accepted by teachers especially in the social sciences.
- Remedial classes are conducted for weaker students in their weak subjects like Mathematics for Economics students and in Chemistry.
- Online resources and teaching them to using internet facilities is also given to enhance slow learners' performance.
- All teachers encourage students from the beginning of the year to be regular to classes to avoid missing out on their hall ticket and missing an academic year.
- The college also offers Mid-Day Meal Scheme to those who are financially weak and need this support; privacy is maintained.
- Some students continue studies and take up part time jobs in order to support their studies. Individual teachers and mentors support them and guide them about managing their time and about missing classes. Concessions are given during admission to facilitate students of different misfortune.

#### Exposure of students to other institutions of higher learning/ corporates/ business houses, etc.

- Students interact with scientists and PhD scholars, visited agriculture university, village industries, factories and institutions of higher learning, important research labs, tribal areas and have taken part in international youth meets. They also take up internship in research organizations, in corporate houses, banks and government departments.
- Inviting resource persons from different national and international institutions deliver lectures and interact with students.
- Participation in certificate courses also provide them with opportunities to visit national level institutes like NLSUI, IISC and the like.

### Publication of student magazines

- The college has its annual 'Blue and White' which is a documentary evidence of all activities of the college for the academic year which is accompanied by the quarterly 'Josephite'.
- The Department of Sociology since 2008 has been bringing out an Annual Student Magazine 'Gusto' which has articles written by students.
- The Economics Department brings out its publication Economics Beyond Class Room which also has a ISBN number.
- The students of Mass com bring out their daily newspaper The Beacon. Some departments also run lab journals such as Open Dosa, Perpendicular, Outreach.
- The English department brings out its Bi-Annual Literary Magazines ENGSTER and Online Web Magazine Open Dosa. MCT- Media Culture and Technology program aims at imparting Web 2.0 skills along with language skills to students of BCA and BVC courses. Students maintain Tumblr and WordPress Blogs as a way of sharing their writing with a larger audience and curating their online selves.

### 5.1.9 Does the College provide guidance/coaching classes for Civil Services, Defense Services, NET/SLET, and any other competitive examinations? If yes, what is the outcome?

- The syllabi of the post graduate depts. ensure that it meets the requirements of the NET/SLET examinations
- Subject teachers guide students to prepare for NET examinations. Many of our students clear the NET/JRF examinations (please refer to department profiles).
- The College management had launched a Civil services pre-examination coaching programme along with Karnataka Government. Special coaching for students of backward classes began in 2011 but discontinued since then as the outcome was nil.
- The National Cadet Corps in the College provides training for college students to join the Defense services of the country. The college NCC has Infantry and Air Force Wings (boys and girls). Many of the students opt for defense services motivated by the training they receive .

### 5.1.10 Mention the policies of the College for enhancing student participation in sports and extracurricular activities through strategies such as: additional academic support, flexibility in examinations; special dietary requirements, sports uniforms and materials; any other.

- The College promotes holistic development of students and encourages them to participate in sports and other co-curricular activities. The college implements a policy to take in students from the Sports Authority of India (12 hockey players have been admitted in the last two years).
- A sports policy is in place in the college. Teams participating in matches are also provided with second class train tickets and a match allowance.
- When a student represents the college in Bangalore University, an additional 5 marks is awarded.
- Special attention is taken in case of students who miss classes/examination due to sports games or cultural events. Re-exams and permission to submit assignments well past deadlines is done to encourage such students.
- Students are provided with breakfast as well as snacks in the evening, after practice sessions.

- Standard sports uniform as well as sports equipment are provided for the welfare of the students. Such students also obtain their extra credits from sports itself.

**5.1.11 Does the College have an institutionalized mechanism for the placement of its students? What services are provided to help students identify job opportunities, prepare themselves for interview, and develop entrepreneurship skills?**

- The college has a Placement Cell that alerts students to job opportunities and connects them to potential employers on a regular basis through notice board listings and a group email id.
- The Placement cell collects student resumes, invites lectures from businesses, organizes mock aptitude tests, mock interviews and provides competency mapping.
- Teachers also provide students counseling on placements and job opportunities. Students are encouraged to develop their entrepreneurial skills during food fests and engage in small businesses on dedicated days.
- Though personalized support is given, most students are able to find jobs for themselves in a city like Bangalore and so the dependence on the placement cell is limited.
- Many students opt for higher studies even after getting selected after campus e

**5.1.12 Give the number of students selected during campus interviews by different employers (list the employers and the number of companies who visited the campus annually for the last four years).**

- Mostly IT companies visit the college for placement and require IT specific skills, Mathematics and Physics, leaving much to be desired for other courses.
- Other students find jobs from their connections developed during their internship activities.
- Alumni have been helpful in providing jobs which falls outside the purview of the normal placement cell activities.
- Companies which have come to college for placements are Amazon, Asian Paints, Century Link, Cognizant, Decathlon, EMC2, EY, Infosys, Mphasis, Oracle, Peepal, SAP Labs, Tech Mahindra, TCS, Tesco, Google Wipro and many more.
- These companies come back year after year to select our students which indicates that they are employable in corporate
- Feedback from employers during the next round of placement service indicates that they are satisfied with the performance of our students.
- Many schools and colleges in the city specifically employ our students as teachers.
- Large numbers of our students pursue higher education so the rush for placement is not heavy.
- A total of more than 400 students have been placed by these companies during the four-year period.
- With the introduction of general Commerce stream and Tata Consultancy Services (TCS) industry integrated B.Com -BPS course at the under graduate level and M.Sc. Big Data Analytics at the post graduate level promises good placement activities in the future.
- The college believes that its strength lies in offering basic sciences, social sciences and language courses where traditionally the placement opportunities by companies are low on campus but these courses are highly valuable in terms of knowledge building and research for the nation. It is here the college has shown its strength in students pursuing higher education and research.

### **5.1.13 Does the College have a registered Alumni association? If yes, what are its activities and contributions to the development of the College?**

- The college has a registered Alumni association.
- The alumni are well placed both in the country and abroad. Many of our alumni have contributed to transforming society which is the mission of the college itself. Two of our alumni are notable in this regard.
- Our alumnus, Sri Sri Ravi Shankar was honored with the [Padma Vibhushan](#) India's second highest civilian award in 2016.
- Another alumna Sunitha Krishnan was awarded India's fourth highest civilian award, the [Padma Shri](#) in 2016.
- Many of our alumni head research institutions and are professors in reputed educational institutions in India and abroad.
- Many have become well known theatre artists, film producers, political leaders and citizens of national pride.
- Alumni members provide linkages between students and opportunities for employment and internships.
- Some of the alumni are at present involved in raising funds for the construction of a new building on the college campus.
- Some are engaged in funding the mid-day meal scheme to the needy.
- Some others have donated computers and other infrastructure items for the college.
- They are members of the BOS and also serve on various college bodies.
- Some have contributed to the corpus of the College to establish medals.
- What is most appreciative is that all this help has come without asking for assistance, indicating that the alumni community is well-knit.

### **5.1.14 Does the college have a student grievance redressal cell? Give details of the nature of grievances reported and how they were resolved.**

- The student grievance redressal cell has been functioning for several years. Three faculty members are members of the cell.
- Students can express their grievance in writing to the members who convene a meeting to address the issue.
- A complaint box is kept in all three blocks to air their grievances, if any.
- Students also meet their mentors and welfare officers and get their problems addressed.
- Students' grievances usually tend to be around shortage of attendance for the semester exam because of the sports camp, issues with marks entry or in one case, a complaint against a particular teacher.
- Students feel aggrieved when they feel they have not been listened to. So after obtaining the written complaint, parties involved are called separately first and then together if required.
- There has been no major complaint against anyone or anything on college. When student feedback was collected on campus services, the complaints appeared to be related to infrastructure constraints and some related to the library which has since been attended to.
- The collection of written complaints often turns them away from getting it addressed. Therefore the problem is better addressed by mentors, welfare officers, and senior teachers. If serious issues are identified, the concerned teacher or other persons involved are informed and the principal is also informed about it.

- In another instance, a set of students had complaints about a faculty and when it was addressed as a grievance, the authority asked those students to get a written complaint. They did not return.
- In cases of shortage of attendance, the authority was interested but students didn't take initiative to return.

#### **5.1.15 Does the college have a cell and a mechanism to resolve issues of sexual harassment?**

- By and large the college enjoys cordial relationships among the boys and girls on campus. Being a co-educational institution, some issues relating to conflict in interpersonal relationship between boys and girls is bound to happen.
- As per the UGC guidelines, Anti Sexual Harassment Cell was started in 2011 under the third cycle of NAAC and it was made compulsory by the Supreme Court in 2013 to have a sexual harassment cell at the work place. Both operate in the college now.
- The Anti Sexual harassment committee is set to become an Internal complaints committee. The committee works under the guidance of three teachers of which one is a male member, two female members and one outsider. They are two teaching, two non-teaching, three student co-coordinators (1 PG student, 1 UG student and 1 research student) from our college and one NGO, one Legal advisor and the convener of this cell, who is a female teacher. There were cases filed by students against staff and staff against students and was reported, discussed in the committee and finally solved with the Principal in attendance. There were 3 cases in the year 2013-14, 3 cases in 2014-15, and in 2015-16, there were no cases filed of students reporting on sexual harassment.
  - The cell has organized two sessions on 'Gender Sensitization At Work Place' for the entire faculty to make every member aware of the seriousness of the issues.
  - A faculty audit was carried out from the staff, both male and female. The results indicate that there is some unpleasantness about gender discrimination in terms of paid leave for maternity for temporary teachers and also in one case about being treated unfairly.
  - Thereafter another session of gender sensitization was organized by the IQAC.
  - Courses and research including the gender dimension have become important in many social sciences curriculum and continuous efforts are on to address this issue if it arises.
  - The robust counseling and mentoring system has been helpful to students if need be. More so the college believes in prevention of such cases from appearing.

#### **5.1.16. Is there an anti-ragging committee? How many instances (if any) have been reported during the last four years and what action has been taken on these?**

- Yes, there is an anti-ragging committee on the college premises.
- Notices relating to anti-ragging are posted on all student notice boards and students are informed about this during the orientation program.
- Freshers are introduced to the faculty members, their classmates and other services available on the freshers day to make them feel safe on campus.
- Ragging is stated as a serious criminal offense in the student handbook and teachers are also sensitized about the importance of this issue on campus.
- The college works on prevention of the occurrence of such cases on campus. There was one case reported and when an inquiry was conducted, the conclusion was that there was no evidence of ragging within the college premises. Nobody from college was involved and it had occurred in the private place the student was staying in. The student committed suicide and was said to have undergone depression. There was no evidence or



proof that the ragging was carried out by our college students. The report was strongly studied and submitted by the committee and the UGC is in the know of the case.

**5.1.17 How does the College elicit cooperation from all stakeholders to ensure overall development of the students considering the curricular and co-curricular activities, research community, orientation, etc.?**

- The college receives good cooperation from different stakeholders as it shares a cordial and healthy relationship with external members.
- The Governing Council, the Academic Council, the IQAC Committee, the Parent Council, Alumni Council and Board of Studies have external members to discuss academic, cultural and co-curricular matters at length when required and all members cooperate to give in their suggestions and ideas.
- Industry representatives also share their ideas during their interactions in college.
- Several NGOs are also involved in matters pertaining to co-curricular activities like extension services. These committees meet regularly or as mandated.

**5.1.18. What special schemes/mechanisms are in place to motivate students for participation in extracurricular activities such as sports, cultural events, etc.?**

- The college believes in total formation of individuals which means developing intellectual, physical, cultural, well-being of students.
- Students contest for elections and get an experience of voting with the electronic ballot and the student council is formed .
- For many students, it is the first time they use the machine and it instills in them the need to participate in the democratic functioning of the college and later of the country.
- Once the student council is formed under the guidance of the student government they get initiated into conducting several cultural events in college.
- The first set of events organized is the inter class cultural event ‘PRATIBHA’ which motivate all students to participate either as teams for their class or watch them and cheer their class mates. Classes are suspended for two half days for conducting this event. Classes vie to participate in large numbers as there is a prize for the best class.
- Winners /teams get ready to participate in intercollegiate activities when invitations come from other colleges. The college choir for example sings at all important college functions.
- The council organizes an intercollegiate fest, Nirvaan, which is usually attended in large numbers.
- Students participating in intercollegiate events get attendance waived when they produce documents for their participation. The College also provides TA-DA to them to participate in events outside college.
- Unit 5.1.10 presents a detailed description of the policy of the college supporting sportsmen and women on campus. The college has produced many great sportsmen and many visit the college as chief guests to flag off the sports day. The college is sensitive to the special needs of sports men. After winning a trophy, it is announced on the college notice board and the trophy is kept for public display.

**5.1.19. How does the College ensure participation of women in ‘intra’ and ‘inter’ institutional sports competitions and cultural activities? Provide details of sports and cultural activities in which such efforts were made.**

- Encouraging women to participate in sports and cultural events has always been a culture of the college.
- Every class selects two class representatives (one male and one female). This equal gender representation among class representatives sets the tone for all other activities that boys and girls are given equal importance in carrying out various activities in college.
- The College employs women staff for sports. Women also make up a majority of the students' union in the current year.
- Parallel to the boys' teams, girls' teams are also equally taken care of with training, equipment and dress facilities made available for them and the teams are taken for various tournaments for participation.
- Girls are also sent for the fitness and selection trials of various events and games of Bangalore University.

## 5.2 Student Progression

Attendance and examination results are important tool in monitoring student progression. Besides student participation in cultural activities, sports, association and extension services indicate the progress students have made during their stay in the college. Many awards have been won at intercollegiate levels in sports and games and cultural events besides academic competitions. Students have won prestigious International scholarships and have represented college in international events as well. Students have represented Bangalore University in various sports and games.

### 5.2.1 Provide details of the programme-wise success rate of the College for the last four years. How does the College compare itself with the performance of other autonomous Colleges/Universities if possible?

The success rate is presented in **Table 5.5 and 5.6 below**. Since the college is autonomous and has a syllabi and curriculum of its own, it is difficult to compare this college with other colleges.

### 5.2.2 Providing the percentage of students progressing to higher education or employment (in the last four batches), highlight the observed trends.

The college is oriented towards encouraging students to pursue academics and the trend has been that nearly fifty percent of our students pursue higher education courses either in the college itself or in other institutions. Many students get admission to reputed institutes and many prefer to go abroad for their education.

**Table 5.4: Student Progressing to Higher Education**

<b>Student Progression</b>	<b>%</b>
UG to PG	50%
PG to M.Phil.	5%
PG to Ph.D.	3-4%
Employed -Campus Selection -Other than Campus selection	Students often seek additional education before employment

### 5.2.3 What is the Programme-wise completion rate/dropout rate within the time span as stipulated by the College/University?

The college has put in efforts to reduce dropout rates and increase pass percentage by executing several measures such as offering bridge courses, remedial classes, individual attention, peer teaching and putting post graduate students to teach the academically weak students. However it has not been the policy to reduce dropout rates by reducing the academic rigor that the college expects to offer. Many undergraduate students drop out in

the first year itself as they would have secured admission in some other course of their choice in other colleges, usually professional courses. The result sheet is presented in Table 5.5.

**Table 5.5: Result Statistics - Undergraduate Courses**

	<b>Courses</b>	<b>2010 - 12</b>	<b>2011 - 13</b>	<b>2012 - 14</b>	<b>2013 - 15</b>	<b>2014 - 16</b>
1.	HEP	57.81	63.04	53.85	36.76	49.23
2.	EPS	73.02	66.04	46.88	57.83	57.3
3.	IES	63.24	60.61	68.06	63.16	61.11
4.	PCM	64.44	54.76	48.28	68.57	52.54
5.	PEM	70	40	58.62	55.56	37.84
6.	PMC	73.33	68.85	46.94	63.27	59.02
7.	MEC	66.67	58.7	52.78	42.5	54.35
8.	EMS	--	52.17	75	71.43	71.43
9.	CBZ	62.5	64.29	51.72	72.73	75.68
10.	CEB	50	14.29	41.67	66.67	88.89
11.	CEZ	27.27	59.09	72.22	83.33	62.5
12.	MCB	70.59	50	50	66.67	53.33
13.	MCZ	81.25	77.78	65.22	57.5	64.44
14.	CBBT	52.08	70.59	46.88	65.79	50
15.	CZBT	--	--	--	--	44.44
16.	BSW	73.53	73.68	82.35	55.26	74.42
17.	BCA	82.54	78.69	64.52	85.48	68.85
18.	BVC	--	74.19	72.73	75	79.41
19.	EJP	--	--	--	--	75

**Table 5.6: Result Statistics – Post graduate Courses**

		<b>2010 - 12</b>	<b>2011 - 13</b>	<b>2012 - 14</b>	<b>2013 - 15</b>	<b>2014 - 16</b>
1.	Economics	68.97	72.22	58.33	78.57	75
2.	English	96.43	88.46	96.15	92.86	80.65
3.	Political Science	69.23	63.16	78.57	86.96	75
4.	Botany	85	100	95	95	100
5.	Chemistry	86.67	75	80.95	28.57	40
6.	Computer Science	92	87.1	93.55	100	87.1
7.	Microbiology	100	89.66	93.1	75.86	64.29
8.	Physics	78.95	42.86	80	50	52.38
9.	Mathematics	--	--	--	--	88.89
10.	MSW	95.24	57.14	72.22	78.57	85.37
11.	MA Communication	84.62	44.83	51.72	38.71	66.67

**5.2.4 What is the number and percentage of students who appeared/qualified in examinations like UGC-CSIR-NET, UGC-NET, ATE /CAT/ GRE/ TOEFL/ GMAT/ Central/ State services, Defense, Civil Servants, etc.**

At least 20% of the students attempt competitive examinations. Generally, it is observed that the academically motivated do work towards achieving these qualifications, with the top 10 students of each class attempting these tests. Data is not available on some of these achievements as students appear for these exams after completing their course in college. Some departments have been able to track these numbers and is presented in dept profile .

**Table 5.7 List of Cadets Appeared for SSB**

Sl No	Ranks	Name	Year
1	Cdt	Ajay Subramaniam	2013
2	Cdt	Sherwin	2013
3	Cdt	Jacob James	2013
4	Cdt	Rekden Sherpa	2013
5	Cjuo	Mark Thompson	2014
6	Cdt	Rashing Muniao	2014
7	Sgt	Chandresh	2014
8	Csuo	Jigisha	2015
9	Cqms	Jinx	2015
10	Csm	Gustin	2015
11	Sgt	Anusha	2015

**5.2.5 Provide details regarding the number of Ph.D./D.Sc./D.Litt. theses submitted, accepted, resubmitted, and rejected in the last four years.**

The college offers doctoral program in Botany and Chemistry and the degree is awarded from Bangalore University. The following is the table for the details of PhD degrees awarded during the years 2012-16. No thesis has been rejected by the university.

**Table 5.8: Details of PhD Awarded**

Sl No	Faculty	Department	PhD awarded	PhD scholars registered
1	Dr. Nagaraju N.	Chemistry	8	1
2	Dr. Michael Rajamathi	Chemistry	7	3
3	Dr. Ronald Jerald Mascarenhas	Chemistry	1	1
4	Dr. Somasekhariah B. V.	Chemistry	7	3
5	Dr. Sandra Misquith	Chemistry	6	3
6	Dr. Purushottama K.B.	Botany	2	1
7	Dr. Bopaiah A.K.	Botany	3	2
8	Dr. Divakar K.M.	Botany	2	2
9	Dr. Jayarama Reddy	Botany	1	0
10	Dr. Tamizhseran	Botany	1	0
11	Dr. Nayeem Ullah Khan	Botany	4	0
			42	16

**5.3 Student Participation and Activities**

The college provides opportunity for students to participate in various cultural activities, sports and games on campus and in other colleges. A member of the staff is in charge of the cultural activities. S/he is supported by other teachers for the smooth conduct of the programs.

**5.3.1. List the range of sports and games, cultural and extracurricular activities available to students. Provide details of participation and program calendar.**

- St. Joseph’s College is always abuzz with innumerable cultural and extracurricular activities throughout the year and keeps the college busy.
- All the activities are usually held during the lunch break and after class hours and is met with enthusiastic participation from all students across all disciplines. Dates of major events are published in the student handbook and are usually adhered to.
- Apart from the listed extracurricular activities, associations also organize a variety of interesting events and many receive a lot of participation from other prestigious colleges and institutes. Guest lectures, conferences and workshops are an integral part of our curriculum. Intra-collegiate creative skills, hobbies, philatelic and numismatics exhibitions for students and teachers are held.
- The College partnered with Social Change Makers Room India - Changemakers’ Room 2016 which is a seven-day training forum, gathering 100 of the world’s most aspiring minds to identify current, pressing local and global problems and find solutions to them. Pixels – It’s a platform for the budding director and moving producers of our college to screen their short film with the larger audience of the college. The college got the license approved to host the TEDxSJC Bangalore, which was hosted on 6<sup>th</sup> January, 2017. Let’s Talk It Out – Student Union is taking up the initiative to reach out to all the students on one-to-one basis to receive suggestions directly to the Student Union.
- Language fests are organized where eminent and budding authors, journalists and educationists are invited for book reviews, book readings, panel discussions and debates on current affairs.

An Intra and Inter-Collegiate Science and Arts exhibition (*Singularitas*) is open to the public and arranged by students with the guidance of teachers. Intra-College creative skills, hobbies exhibition, philatelic and numismatics exhibitions for students and teachers are held every year.

Besides the list of events mentioned below many other small events also happen in college as and when some social event demands it.

**Table 5.9: List of Cultural Activities Available to Students**

Event		Participation Range
Interclass Kite Flying Competition		Intercollegiate
Pongal Celebrations		Intercollegiate
Onam Celebrations		Intracollegiate
Ethnic Day		Intracollegiate
Pratibha	Literary Events	Intra collegiate
	Indian Dance : Solo And Group	
	Western Dance : Solo And Group	
	Indian Vocal : Solo And Group	
	Western Vocal : Solo And Group	
	Ethnic Fashion Show	
Christmas Celebrations		Intracollegiate
Footprints		Intracollegiate
Visages		Inter-Collegiate
Nirvaan		Inter-Collegiate
Independence Day		Intracollegiate
Republic Day		Intracollegiate

**Table 5.10: List of Extracurricular Activities Available to Students**

Event	Participation Range
All Association Fest Singularitas	Inter Collegiate
All Association Fest Samarpan	Intracollegiate
Blood Donation Camp	Intracollegiate
NSS Camps	Intracollegiate
Swachh SJC Campaign	Intracollegiate
Paws And Pose Pet Show	Intracollegiate
Tackle Fest : In Collaboration With Headstreams	Intracollegiate
Bangalore International Film Festival	Intracollegiate
Exodus	Intercollegiate, National And International
Magis	Intra Collegiate
Sports Day	Intracollegiate/ Intercollegiate
Hobby Exhibition	Intracollegiate
Conferences, Workshops	Intracollegiate, Intercollegiate, National, International
Meta	Intercollegiate
Make A Difference Week	Intracollegiate
Outreach Programme	
Industrial Visits	
Cyclowalk	
Photo Journalism Workshop	

**Table 5.11 List of Sports/ Games Activities Conducted  
Event Starting and Last Date**

	Football	Volley Ball	Throw Ball	Cricket	Shuttle
2016-17	13-30/9/16	18-22/8/16	18-22/8/16	7-13/9/16	11-16/1/17
	Carom	Chess	Table Tennis	Kabaddi	Kho Kho
	16-23/6/16	16-23/6/16	16-23/6/16	21-25/7/16	17-23/1/17

The list of students outstanding in sports and cultural events are far too many and a random sample is presented below.

**Table 5.12 List of outstanding Sportsmen Women**

1.	Kiran A Powar)	Taekwondo National Gold Medalist and represented Bangalore University for the University nationals held in Punjab.	2012-13
2.	Jhanavi	Represented Bangalore University and the college at various other colleges in Hockey.	2013-14
3.	Taranjeet Kaur	Selected in Bangalore University for Basket Ball.	2014-15
4.	Alwyn D'Souza	Selected in Bangalore University for Gymnastics.	2014-15
5.	Umango	Selected in Bangalore University for Boxing.	2014-15

	Thulungo of I EPS		
6.	Nelson P. Thomas (II M.Sc. Mass comm)	Selected in Bangalore University for Decathlon and Triple Jump.	2014-15
7.	M.M. Irshad Hussain (II EPS)	Selected in Bangalore University for Fencing Event.	2014-15
	Kiran A. Pawar,	For representing Bangalore University in Taekwondo – Olympic Qualification, Asian Qualification, World Championship	2015-16
	Hemanth N. V.,	For representing Bangalore University in Softball - All-India	2015-16
	Sathya Kumar, Antony Clinton, Priyanka Ghodka	Represented Bangalore university in South Zone Football	2015-16

**5.3.2 Provide details of the previous four years regarding the achievements of students in co-curricular, extracurricular activities, and cultural activities at different levels: University/State/Zonal/National/International etc.**

The list of students outstanding in co-curricular, extracurricular activities, and cultural activities are far too many and a random sample is presented below.

**Table 5.13: Select List of Student Achievement –co-Curricular Activities**

1.	Frederika Cotta and Kalyani Sri Guha (M.Sc. Chemistry) Tony Thomas, Frederika Cotta , Kalyani Sri Guha , B.E. Kumara Swamy , Praveen Martisd, Zineb Mekhalif;	Published a paper titled, "Poly(Patton and Reeder's reagent) modified carbon paste electrode for the sensitive detection of acetaminophen in biological fluid and pharmaceutical formulations", Colloids and Surfaces B: Biointerfaces 101 (2013) 91–	2013-14
2.	Husain M	Summer research project — Evolution and genetics of butterfly wing patterns at NCBS, Bengaluru.	2013-14
3.	Vishal .G. Anand	Completed DELF A1 & A2.	2013-14
4.	Sneha S, Adrian D'Costa, Rajesh V	Attended the workshop on Fluorescence microscopy at Dr. H. Krishna Murthy's lab at the National Centre for Biological Sciences, TIFR, Bengaluru.	2014-15
5.	Sneha S, Adrian D'Costa, Rajesh V	Attended the workshop on Fluorescence microscopy at Dr. H. Krishna Murthy's lab at the National Centre for Biological Sciences, TIFR, Bengaluru.	2014-15

6.	Victor Ikenchukwo Agughasi	Enabling technologies and design issues of next generation communication systems. Presented at the International Conference on ICFDM-2014 at JyothiNivas College (Autonomous), Bengaluru.	2014-15
7.	Victor Ikenchukwo Agughasi	Massive open online courses- challenges and opportunities for education in India. Presented at the International Conference organized by St. Joseph's College (Autonomous) and St. Louis Univ. USA.	2014-15
8.	Ila Ananya	Won the Prof. Barbra Naidu Prize for the Personal Essay in 2014 at Meta- A literature fest conducted by the Dept. of English.	2014-15
9.	Zenisha Gonsalves	Was selected for a one month course in Journalism at Washington City, Seattle, USA, where young journalists focused on covering South Asian issues.	2014-15
10.	Monica Sweta Bosco	Awarded the UGC Postgraduate Merit scholarship for University rank holders to do Masters.	2015 -16
11.	Victor Ikenchukwo Agughasi	Integration of social healthcare through web initiatives for specially abled. Presented at the International Conference at St. Anne's College for women.	2015-16
12.	Litty Thomas Manamel	Participated in the —Visiting Students Research Programme (VSRP-2015) held at Tata Institute of Fundamental Research, Mumbai.	2015-16
13.	Richa S Patel	Attended the Winter School on —Astroparticle Physics jointly organized by Bose Institute, Kolkata and Tata Institute of Fundamental Research, Mumbai.	2015-16
14.	Vani Shree K.K	Attended national program on differential equation at LNM IIT, Jaipur.	2014-15
15.	Ashwathy Vijayan	Participated in a Short course on Gender and Forced Migration held at Bangkok organized by the Asia Pacific Refugee Rights Network (APRRN) at Mahidol University, Thailand.	2014-15
16.	Amrita Roy and Ankit	Secured second position in survey methodology at —Inference-2014 conducted by Christ University, Bengaluru.	2015-16
17.	Sailesh Singhal	Youth delegate at G-20 youth summit in Germany & at UNESCO's Global alliance and media in Geneva	2015-16



### 5.14: Select List of Achievements of Students-Cultural

College Team			
1.	State Level	Journalpedia organized at Christ University PG Economics fest	2012-13
2.	State Level	Creative writing organized at St. Xavier's Mumbai cultural fest, Malhar-2012	2012-13
3.	State Level	War of the words - a debate event, organized at St. Xavier's Mumbai cultural fest, Malhar-2012	2012-13
4.	State Level	Pataliputra, organized at the annual fest, Madras Christian college, Chennai	2012-13
5.	State Level	Essay writing organized at Inter-collegiate Hindi fest at CMR institute of management	2013-14
6.	State Level	Quiz competition organized at Inter-collegiate Hindi fest at CMR institute of management	2013-14
7.	National	Men's Epee and Foil events, National Wheel chair fencing championship	2013-14
8.	State Level	Creative writing organized at French Fest of Mount Carmel College "Franco-feel"	2013-14
9.	State Level	Best AICUF unit of the state (Among the 26 AICUF units of Karnataka)	2013-14
10.	State Level	Bondade Lecture Competition" jointly organized by Indian Physics Association and Dept. of Physics, Christ University, Bangalore	2013-14
11.	State Level	Debate competition organized at Inter-collegiate Hindi fest at CMR institute of management	2013-14
12.	State Level	Essay writing organized at Inter-collegiate Hindi fest at CMR institute of management	2013-14
13.	State Level	Quiz competition organized at Inter-collegiate Hindi fest at CMR institute of management	2013-14
14.	National	Men's Epee and Foil events, National Wheel chair fencing championship	2013-14
15.	State Level	Creative writing organized at French Fest of Mount Carmel College "Franco-feel"	2013-14
16.	State Level	Best AICUF unit of the state (Among the 26 AICUF units of Karnataka)	2013-14
17.	State Level	Bondade Lecture Competition" jointly organized by Indian Physics Association and Dept. of Physics, Christ University, Bangalore	2013-14
18.	National	QUID PRO QUO at LSR fest, New Delhi	2014-15
19.	State Level	Debate-GNASH IT OUT	2014-15
20.	State Level	INDIA BIO-BIO QUIZ 2015, conducted by Quizworks Bangalore	2014-15

### 5.3.3 How often does the College collect feedback from students for improving the support services? How is the feedback used?

- Both informal and formal feedback is collected from students, and utilized in improving classes and student experience in several ways.

- Student feedback on teachers is done on an annual basis and teachers are given a consolidated report of the same and teachers also collect feedback informally
  - 855 students participated in an online questionnaire on Infrastructure and Support Services which included seeking suggestions. This was the first time such a feedback was collected. IQAC The complaints and suggestions have been forwarded to the principal for suitable action and many corrective measures have been taken wherever possible and required.
  - Students may drop their feedback, problems or grievances in the general grievance box and the concerned authorities aid in resolving the issue.
  - The college has a separate examination grievance redressal cell, malpractice committee, admission grievance cell, sexual harassment cell and anti-ragging cell.
  - The details of the committee members are available on the website and college handbook. The team of counselors on campus helps and supports our students. Their conversations, issues and feedbacks are kept anonymous and needful is done to resolve the issues troubling them.
- <http://www.sjc.ac.in/antiragging.html>  
<http://www.sjc.ac.in/shc.html>  
<http://www.sjc.ac.in/counsel.html>
- The continuation of the mid-day meals scheme, the working of the Centre for Skill Development and Placements and several other bodies receives feedback and it is used for improving the services. The feedback has also resulted in new courses, and bodies like the Josephite Research Forum and Josephite Ambassador Programme with the idea of grooming our students along with their curriculum to form men and women for others.

#### **5.3.4 Does the College have a mechanism to seek and use data and feedback from its graduates and employers, to improve the growth and development of the College?**

- The placement officer maintains a record of the valuable feedback from the employers. Accordingly, new activities are planned and some inputs into the syllabus are also included. Feedback is used to improve the training that can be provided to the students.
- <http://www.sjc.ac.in/placement.html>
- IQAC recently conducted an online feedback from the alumni and each of them stated that they relive the memories of the college and also stated how they contribute to college. Most of them come back to college as resource persons for guest lectures and workshops. They also help the college in terms of connecting outgoing students for jobs. Some have contributed for freeships and towards scholarship. They also provide valuable suggestions.
  - Every department has a Board of Studies panel and one of the members compulsorily has to be an alumnus. The alumnus member plays an integral part in the working of the department and syllabus designing.

#### **5.3.5 How does the college involve and encourage students to publish materials like catalogues, wall magazines, and other material? List the major publications/materials brought out by the students during the previous academic session.**

The college annual magazine blue and white is brought out every year with student editors and faculty editors. Some departments of the college publish magazines, Wall magazines and also maintain blogs. All these publications are done by students with faculty as mentors and is mentioned in **5.1.8**.

**5.3.6 Does the College have a Student Council or any similar body? Give details on its constitution, major activities, and funding.**

- Student Council elections are conducted by using electronic voting machines supplied by BEL.
- The council is supported by a staff student governor and the council has a president, vice president, treasurer and two joint secretaries. It has a nominated cultural secretary, sports secretary and a PG representative. Its major activities include organizing intra class cultural and sports events, organizing intercollegiate cultural fest, Teachers' Day and other important college events where students are the important participants.
- The college allots a budget for the events that the student council has to carry out but the council arranges for sponsorship from different corporate organizations to fund major events.
- Student associations activities provide good learning experience in organizing, leadership and team working skills.

**Table 5.15: List of Departmental Associations**

Abacus	English Literary Society	Josephite Media Forum	Rendezvous (French Association)	KALA
AICUF	English Performing Society	Josephite Dance Association	Samskruta Tarangini	Inter Religious Harmony Movement
Botanical Society (PG)	English Quiz Club	Kannada Sangha	Season's Nature Club	International students Association
Centre for Molecular & Computational Biology	Consilium (Counselling Association)	Microbiological Society (PG)	Social Work Student Association	North East and Tibetan Forum
Centre for Social Concern	Green Gene Guild	Microcosm (UG)	Social Zest	PANA
Chemical Society (PG)	Hindi Parishad	NSS	SPECTRUM	RUSHES
Chemical Society (UG)	Images (VISCUM)	Natural Science Association	Technophite (PG)	Student Sports Committee
CSA	Industrial Relations Forum	History Parishodhana	Commerce Association	SUMANA
College Choir	JET Club	Frequentia	Cybernetics Club	Tamil Sangam
Economics Forum	JAAM	Physics Students Association	German Club	WACC
Oikonomika	Sigma Squared	Gender Sensitization Cell	Graphic.inc	-----

**5.3.7 Give details of various academic and administrative bodies that have student representatives on them. Provide details of their activities.**

The college believes that students as stakeholders must be represented in all bodies where their representation will be useful in enhancing the quality of services provided. They are represented in the Library committee, Anti sexual harassment cell, and anti-ragging committee, IQAC, Magazine committee and Equal Opportunity Cell. They are informed of the meeting of these bodies and present the student viewpoint which is useful. Suggestion Box is kept near the IQAC Office.

## CRITERION VI

### GOVERNANCE, LEADERSHIP AND MANAGEMENT

The college has inclusive practices which help the institution in the matter of planning human resources, recruitment, training, performance appraisal, financial management and the overall role of leadership in institution building.

#### 6.1 INSTITUTIONAL VISION AND LEADERSHIP

6.1.1. State the Vision and Mission of the College.

The college's motto is 'Fide Et Labore' "Faith and Toil".

The vision of the college is "Striving for a just, secular, democratic, and economically sound society, which cares for the poor, the oppressed and the marginalized".

This vision receives further elaboration in our Mission statement which reads:

"St. Joseph's College seeks to create men and women who will be agents of change, committed to the creation of a society that is just, secular and democratic. The education we offer is therefore, oriented towards enabling our students to strive for both academic and human excellence. The college pursues academic excellence by providing a learning environment that constantly challenges the students and supports the ethic of intellectual curiosity and ceaseless enquiry. We promote human excellence through courses and activities that help students achieve personal integrity and conscientise them to injustice prevalent in society".

Each department of the college has a vision and mission statement which is derived from the college vision and mission statements.

#### 6.1.2. Does the mission statement define the College's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, College's traditions and value Orientations, vision for the future, etc.?

St. Joseph's College, founded in 1882 as the very first private college in Bangalore, is a Jesuit institution with a reputation for academic excellence tempered by social concern and engagement. SJC is today a multi-cultural and cosmopolitan institution with a strong determination towards a preferential option for the marginalized. While excellence is the institution's ultimate goal, equitable education for the disadvantaged is its commitment.

As an autonomous institution affiliated to Bangalore University, College has strategically designed its curriculum to meet the objectives as stated in the mission statement. We hope to develop well-rounded persons capable of critical enquiry who will thus lead social transformation in the specific fields they might choose for themselves. St. Joseph's College is the site where a confluence of ideas and practices furthers national progress and growth.

Experience and reflection are crucial inputs into formation of policy in the College, and in creating its vision for the future. Critical reflection and analysis of experiences are used to create action plans and the vision for the future. The College looks towards thinking globally in terms of academic quality and excellence, and this is articulated through the visions of different departments of the College. The College formulates policies through the lens of the 5Cs of quality – Competence, compassion, creativity, conscience, and commitment.

#### 6.1.3. How is the leadership involved in

**\* ensuring the organization's management system development, implementation and continuous improvement**

The college has constituted a well-structured administrative system where the powers and duties have been entrusted to the faculty who are competent to carry out the same in a decentralized mechanism. The Principal who is the nominee of the Management i.e. the Bangalore Jesuit Education Society is the academic director and the executive authority of the college. He supervises all academic programs of the college and keeps the management informed of all matters of general and financial administration. He represents the college in all academic institutions like the University Grants Commission, the Government, the university and others. The Principal in consultation with the Governing body, Academic council and Staff council designs and implements policies for the academic and administrative growth of the college keeping in mind the reforms taking place in the higher education system.

The College leadership ensures a system of continued excellence among its members through regular training, and ongoing formation to manage human and material resources. Every member of the Jesuit family is expected to undergo a training known as JESCOL program.

The leadership also conducts training programs, with the help of experts, geared towards grooming staff to reach out to different sections of society and ensure that ideals are set.

The College's leadership is marked by the delegation of duties among its staff. The Principal, the Rector, Governing body in discussion with staff council create and define the policies that the College adopt and promote. Vice Principals and Welfare Officers are responsible for administrative tasks involved in the operation of the college. The Heads of the Departments are tasked with promoting academic excellence in their areas under the aegis of the Deans. The College is marked with a hierarchal structure with delegated responsibility among its stakeholders.

#### **\* Interaction with stakeholders**

Decision making by the College leadership is consultative, and the decision making bodies are present at various levels of the College hierarchy, and include the IQAC, Student Council, Class mentors, Departments, the Staff Council, the Parents Teacher association and the Management. This ensures the presence and operation of a leadership that is competitive, reflective and creative in guiding the college towards its stated goals. The College Leadership holds regular meetings with stakeholders including parents, students, the academic council, and with departments.

#### **\* Reinforcing culture of excellence**

The organizational structure of the college assures that excellence is achieved in its day to day functioning.

- Deans of the College reinforce the culture of academic excellence by extending support and inspiration to teachers.
- Heads of Departments are encouraged to innovate their pedagogy, organize and depute members of the faculty to attend workshops, seminars and conferences.
- Students and faculty research is encouraged. Various platforms are provided for both students and faculty to showcase their innovative skills towards enhancements and development of the existing college procedures and policies.
- Human excellence is promoted by the programs designed by the college for sensitizing students and staff to the social, economic and political realities around us.

#### **\* Identifying needs and championing organizational development (OD)?**

As a college we are sensitive to the changing needs of the student body, the teachers and that of the society at large. Often these perceived changes are debated and accommodated in the college culture where ever possible and desirable thus making the college a micro

representation of the society in many ways. This kind of adaptation has helped the college to go through organizational development in a more inclusive and balanced manner. Every teaching, non-teaching faculty and students are treated as people with a voice, and are respected for their diverse views.

The needs of the departments are heard and requirements are met by the management in the best possible manner by its timely support.

**6.1.4. Were any of the senior leadership positions of the College vacant for more than a year? If so, indicate the reasons.**

None of the senior leadership positions in the College were vacant any time during the period under review.

**6.1.5. Does the College ensure that all positions in its various statutory bodies are filled and conduct of meetings at the stipulated intervals?**

Yes, all positions in various statutory bodies are filled and meetings are conducted according to schedule at stipulated intervals.

**6.1.6. Does the College promote a culture of participative management? If yes, indicate the levels of participative management.**

Culture of participative management is achieved through staff council meetings and departmental meetings in which the views and suggestions of the respective stakeholders are taken into consideration before the decisions are taken. A departmental meeting with the Principal every year and ‘tea’ with the management develops participative management. Going out for staff picnics, celebrating institution day, Christmas , participating in regular meetings promotes participative management.

**6.1.7. Give details of the academic and administrative leadership provided by the University to the College?**

Bangalore University involves itself in the creation and review of subject syllabi and examinations by appointing a member from the university department to the college to participate in the Board of Studies. The Governing Council of the College also has representatives from Bangalore University, as does the Local Inspection Committee.

**6.1.8. How does the College groom the leadership at various levels?**

- The College conducts regular and critical ongoing formation programs for its leaders, staff, and even its students through its ‘Immersion’ , ‘JESCOL’ and staff training for the young teachers which also focuses on leadership skills.
- In order to promote leadership skills and motivation among staff, talks and programs by experts are held regularly. Chris Looney had recently given a lecture on Heroic Leadership in the college in line with these objectives.
- A three-day workshop was organized for the young teachers on Seven Habits of Highly Effective People with the objective of inculcating personal leadership skills.
- The college believes that developing leadership skills in teachers is necessary for initiating social change and taking up various new roles that emerge in the changing environment of the college and in the higher education system.
- Some leaders are identified by the college, handpicked, and nurtured to promote their optimal growth. Various departmental Associations and clubs in the college create opportunities for the staff and students to develop and nurture their leadership skills.

### **6.1.9. Has the College evolved any strategy for knowledge management? If yes, give details.**

St. Joseph's College promotes and highlights contributions by staff and students to building knowledge, and actively encourages the publication of quality research work. The college had organized two lectures during the past four years on Intellectual Property Rights with special emphasis on plagiarism to highlight its menace. Students are made aware of the dangers and ethical issues of plagiarism by teachers on a continual basis.

### **6.1.10. How are the following values reflected in various functions of the College?**

#### **• Contributing to national development**

- The College undertakes the responsibility of education with the aim of creating and disseminating knowledge in the chosen disciplines through the courses it offers. This education is interwoven with a strong discourse that imbibes social concern and ensures that students stay in touch with reality that the nation is facing
- Values of social justice, equality, fraternity freedom and inclusiveness are inculcated among its staff and students through various activities on and off campus through training and academic programs.
- Associations develop values that are required for nation building among students.
- Students and staff are encouraged to conduct research focused on problems faced by the city, the state, and the nation. Programs are conducted to raise traffic awareness and improve waste management in the city, such as a cleanliness drive in and around the College.
- Students participate in rallies and protest marches in the city
- 

#### **• Fostering global competencies among students**

Global competencies are fostered teachers and students visit different colleges and universities both nationally as well as internationally for presenting papers, or giving talks. Industrial visits to other nations, such as the MSW students visiting Sri Lanka, BCom student visit to Malaysia or a sponsored visit to the United States are conducted as well. Providing students with opportunities to develop leadership skills, interpersonal, self-management and team working skills happens on a continual basis for students and teachers thus fostering students with global competence.

#### **• Inculcating a value system among students**

Values are inculcated through Human Resource Development classes conducted in the College. The motto of Faith and Toil are connected to all activities of collegiate life. The 5Cs are reflected in all policies and actions undertaken, so as to ensure moral and social ethics are fostered in students. These involve the formation of 'Conscience' for the development of a code of moral values, 'Compassion' to ensure that social ethics are fostered, 'Competence' to develop intellectual faculties, 'Creativity' to encourage research in the college, and 'Commitment' to ensure that students work hard towards quality knowledge development and academics.

#### **• Promoting use of technology**

Use of technology in teaching learning processes has become a common practice on campus and the use of ICT has enabled better and more efficient management of administration of the college. Teachers have become adept at using technology in their teaching process and provide opportunities to students to use ICT in their learning process. Moodle and MOOC are used by some faculty; others use other forms of

technology interface. The use of KnowledgePro has enabled efficient, management of student database and efficient conduct of examinations

- **Quest for excellence:** the college strives to improve the quality of all the services it renders by conscious reflection and discussion when things do not turn as expected. The staff and leadership is constantly engaged in improving and creating systems which improve the quality of life on campus. The internal quality assurance cell has an important role to play in conducting surveys which are then analyzed and used for making suitable changes in various dimensions of college life.

#### **6.1.11 Give details of the UGC autonomous review committee's recommendations and its compliance.**

The college had completed ten years of autonomy and was due for the extension of autonomy in July 2015. The autonomy report was submitted on time and the visit by Bangalore University and a UGC team had visited the college. The committee was pleased with the progress made by the college in pursuing academic autonomy and has given extension of the autonomous status to the college. It had not made any specific recommendation to the college.

### **6.2 Strategy Development and Deployment**

The college has come a long way from being granted autonomy in 2006 and since its first accreditation in 1999. The College has continuously strived to provide quality inclusive education with the help of shared responsibility of its stake holders. This has often required strategic planning in different spheres of the college activities.

#### **6.2.1. Does the College have a Perspective Plan for development? If so, give the aspects considered in development of policy and strategy.**

**Teaching & Learning** – The College plans to transform itself from a teaching center into a learning center where research becomes the center around which quality teaching will emerge. It also looks towards to becoming a leader in providing quality and inclusive education by focusing on developing the latest and most relevant courses with appropriate use of technology but at the same time remaining focused on the college's vision and mission of creating men and women for others. In recent years, the College has looked towards applying for the status of a University so as to obtain greater autonomy to allow it to cater to the objectives set before it, and strive to fulfill its mission and meet the vision of the college

**Research & Development** – The College has a research center, and has drafted a research policy. It seeks to encourage research among its newly recruited and younger faculty on campus so as to take on the already existing research culture to new heights. A few more departments have applied for becoming research center so as to promote more research on campus. The research committee is also planning to design sabbatical for younger faculty to pursue research. The research corpus which has been granted by the management is designed to carry out research activities and provide seed money to young researchers. Senior faculty is encouraged to apply for grants from various national and international bodies and as many as forty research projects are on/ been completed during these four years.



**Community engagement** – The Joseph’s Outreach Centre was set up to carry out extension activities of community development in a planned manner by developing the necessary knowledge, skills and attitudes necessary for developing social concern. The mission of the college is to ‘create men and women for others’ who will promote social concern and raise consciousness on the several injustices prevalent in society. A research center in Solur has been established to adopt 15 villages to focus on community engagement. The College also has a plan to adopt a Panchayat. Teaching in government schools has been ongoing with the aim of eliminating the dropout rate of children in these schools through sustained effort. Besides this there are several activities of engagement in community development carried out by NSS, NCC, MSW, and CSC and by individual departments.

**Human Resource Planning & Development** - The college desires to provide continuous training to its staff to become competent teachers who can teach and learn and become mentors to the students who are given under their care. The on going training process strives to create world class faculty who are capable of teaching in any university in the world. The college appoints teachers with the required qualification in order to provide quality education to its students. Teachers are chosen with an aptitude to work with the college vision and mission. Human Resource Planning is being done in a systematic way as many of the aided teachers are reaching superannuation and many new unaided courses have been started in the college, requiring the appointment of management aided teachers. Attrition among the staff is also an issue. The college has made several revisions in the salaries paid to the faculty and now it is close to the UGC salary. Tenure positions are also being confirmed for longer stay of the management faculty.

**Industry Interaction** –The College aims to produce students who are industry ready, and are capable of fast and competent adaptation to the needs and requirements of their employers. In addition, the College is looking to co-opt the corporate sector into collaborating with the college to engage in meaningful community development programs. The inculcation of ethical and social values within students is aimed at creating industry leaders of tomorrow who are actively concerned and engaged with the social issues of the day. Tata Consultancy Services, under its Corporate Social Responsibility program, has initiated a post graduate course in Big Data Analytics and industry integrated B.Com course. They have committed to a grant of Rs 1 Cr to the College for setting up laboratory ,videoconferencing facilities and towards payment of salaries for staff for two years.

**Internationalization** – in a truly global education system we propose to become a world class university by having Memorandum of Understanding with other universities abroad and have student and faculty exchange programs. The college already has a few MOU with universities abroad and some exchange of faculty and student is already taking place.

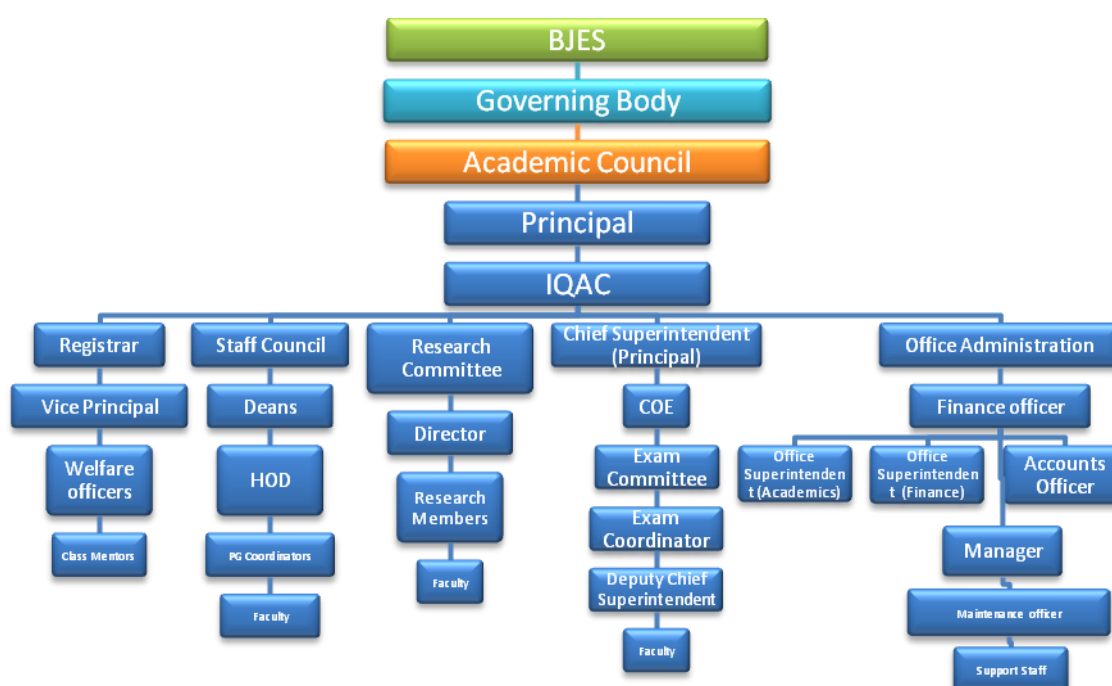
#### **6.2.2. Enunciate the internal organizational structure of the College for decision making processes and their effectiveness.**

The college is governed by the President of the Bangalore Jesuit Educational Society. Principal who is the executive head manages the college for carrying its day to day working with the help of other college officials. The Internal Quality Assurance Cell is the central body which assists the college on all matters pertaining to quality on campus. The college has a Registrar for general administration. The college has three vice

principals one each for social sciences, sciences and for the post graduate sections. The college administration is further assisted by four Welfare officer's two each– a lady welfare officer for girls students and a male welfare officer for the male students in the social sciences', physical sciences, natural sciences and for the professional courses. The welfare officers are further assisted by class mentors with one mentor for about forty students each.

The leader of the academic program of the college is in the Office of the Controller of Examination who leads, manages and executes the academic program of the college. The COE office is supported by the Deanery system. The college has five deans, one each for social sciences, natural sciences, physical sciences, commerce and languages who maintain and monitor the academic processes and coordinates the respective departments in the college under their deanery and with the COE. Each department is headed by the Head of the department and at the post graduate level a coordinator is appointed for the smooth functioning of the programs. The research committee looks into matters relating to research. Besides these set of college officials, there are several other statutory bodies which look into specific areas like grievance committee for teachers, students and examinations. The college has the anti-ragging cell, the equal opportunity cell, the anti-sexual harassment cell, gender sensitization cell and international students center.

**Chart 6.1. Organizational Flow Chart**



**6.2.3. Specify how many planned proposals were initiated/ implemented, during the last four years. Give details.**

The planned programs that were initiated and implemented in the college during the last four years include six undergraduate courses of which three are professional courses and two post graduate courses. Besides starting off these new courses the college initiated the process of using ICT for marking student attendance and online viewing of attendance by students, use of bio metric for staff attendance, software for entering marks and student details, online admission process, online student feedback of teachers, library services, infrastructure services and lately online registration of Choice based credit courses. All these plans were implemented as well.

**Table 6.1. New Courses Introduced during 2012-16**

<b>UG Courses</b>	<b>UG Courses cont'd</b>	<b>PG Courses</b>
EJP: English, Journalism & Creative Writing; Psychology	BVoc in Film Making	Big Data Analysis
CPE: Communicative English, Political Science, Economics	BVoc in Animation	Mathematics
B.Com	CZBT Chemistry, Zoology, Biotechnology	
B.Com-Industry Integrated		

Besides these courses the college also introduced UG and PG syllabus is Choice Based Courses under CBCS scheme during this academic year. A detailed Table 1.5 on CBCC has been presented in Criteria I.

**6.2.4. Does the College have a formally stated quality policy? How is it designed, driven, deployed and reviewed?**

The college has completed three cycles of NAAC accreditation and today quality is a part of everyday functioning of the college. The college IQAC was set up in 2010 and has been active since then. The quality policy is “providing inclusive quality higher education with shared responsibility of all stakeholders”. Thus every individual is involved in the provision of quality service in all activities as much as is possible.

Several meetings, discussions and debates have firmly put quality as an issue in everything that is done on campus. Mistakes are taken as lapses and efforts are made to prevent further occurrence of the same. Quality issues are debated in departmental level meetings, staff council meetings, academic council meetings and in governance body meetings.

Suggestions are put into action by the concerned official in college. Reviews are done on many of the issues that arise during the course of the year at regular meetings of these bodies. Feedback from different stakeholders has been taken and an external body from the Loyola College Chennai has also audited the quality of the college.

**6.2.5. How does the College ensure that grievances/complaints are promptly attended to and resolved effectively? Is there a mechanism to analyze the nature of grievances for promoting better stakeholder-relationship?**

The College has instituted various Grievance cells to attend to issues raised by the staff and students. Grievance boxes are placed in all three blocks of the college and the collected grievances are attended to. The feedback on infrastructure and library services also gave an opportunity to state student grievance and suggestions. These are taken seriously and efforts are made to make course correction on those which are implementable. Confidentiality is maintained and answers or solutions are provided.

**6.2.6. Does the College have a mechanism for analyzing student feedback on institutional performance? If yes, what was the institutional response?**

Yes, the college has a student feedback system on three important areas namely on infrastructure and services, library services and feedback on teachers. These online feedback systems are well advertised on the college monitors to ensure good participation. A course evaluation has also been done by students which have given important insights into the curriculum, teaching and evaluation systems being practiced in college. Students have been open about their grievance and the responses have been

collated, analyzed and shared with the Principal, the Rector and faculty for action. Some of the suggestions/ grievances have been attended to at the shortest possible time.

#### **6.2.7. In what way the affiliating University helped the College to identify the developmental needs of the College?**

Bangalore University which is the affiliating University has been supportive of the autonomous status bestowed on the college and acknowledges the working of the autonomy by participating as members of the Board of studies, Academic council and Governing body members. In 2015 it came for the extension of autonomy status to college along with UGC members and played a positive role in acknowledging the successful working of the autonomous system in college. They also visit college as the LIC or local inspection committee.

#### **6.2.8. Does the affiliating university have a functional College Development Council (CDC) or Board of College and University Development (BCUD)? If yes, in what way College is benefitted.**

Yes, Bangalore University (Affiliating University) has a functional CDC.

- Procurement of imported research equipment for college is through CDC.
- Enrolment for Faculty Development programme of our aided staff is through CDC.
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#### **6.2.9. How does the College get feedback from non-teaching, teaching, parents and alumni on its functioning and how it is utilized?**

College has a feed mechanism in place. The IQAC conducted an online feedback from its students and alumni .Manual feedback was collected from parents, non-teaching staff, teachers on institutional climate and a gender audit. Data generated has been collated, analyzed and made into a report and shared with authorities for action.

- Alumni Survey (N-426)
- Non-Teaching Staff Feedback (N 20)
- Teachers' Feedback (105)
- Faculty Gender Audit (103)
- Library services feedback(450)
- Infrastructure and services (861)
- Parents (61)

Whatever suggestions were given has been discussed and possible ones have been implemented like increasing the Wi-Fi speed, setting up labs for the Big Data Analytics course. By and large the feedback showed that these stakeholders are satisfied with the college working. A gender sensitization talk was also arranged as many teachers have newly joined the college.

#### **6.2.10. Does the College encourage autonomy to its academic departments and how does it ensure accountability?**

Yes, each department has autonomy in curriculum design, plan of teaching, and conduct of internal assessment, mentoring, career guidance, organizing events. There are five deaneries in the college namely social sciences, physical sciences, natural sciences, commerce and languages. They oversee the academic work like syllabus setting, uploading of syllabi and regular conduct of BOS and any other matter of common interest. The head of each of the department ensures that the activities of the departments are being carried out in an efficient and timely manner. The HOD in consultation with the faculty members discuss the number of classes taken, shortcomings if any and take up

follow up actions. Each department acts as an independent body and functions within the larger structure and objectives set by the college.

#### **6.2.11. Does the College conduct performance auditing of its various departments?**

The system of academic audit has been followed in college and this has ensured that academic work is carried out as planned. A SWOC analysis is carried by all departments of the college in the beginning of the academic year. Thereafter plans for the coming academic year are finalized and the report is shared with the principal. It is also shared with the IQAC. At roughly the middle of the academic year, the IQAC seeks report from the departments for the preparation of the AQAR which is a performance auditing of the departments. In addition, at the end of every month, through its work done diary system, the HOD's of the respective departments monitors the academic work carried out by the faculty. Once in two months, academic performances are discussed in staff council meetings. At the end of the year an academic and performance report is prepared and given to the college magazine committee to record all events that have taken place in the college during the academic year to be included in the college magazine.

### **6.3 Faculty Empowerment Strategies**

#### **6.3.1. What efforts are made by the College to enhance the professional development of teaching and non-teaching staff?**

The college encourages the Faculty members to attend workshops, seminars and conferences at the local, state, national and at international level. College conducts orientation programs for all young faculty members at the beginning of the academic year and also for non-teaching staff. The college grants duty leave for the faculty going for such programs, and also grants travel allowances, accommodation and registration charges for the same.

The college encourages the faculty to pursue higher studies. College encourages the various departments to organize conferences and workshops, undertake research projects. The Josephite Research Forum involves staff and students to undertake small research projects and promote interdisciplinary research.

#### **6.3.2. What is the outcome of the review of the Performance Appraisal Reports? List the major decisions.**

The staff members submit annually the self-appraisal reports to the Principal. Principal meets faculty for discussion and provides suggestions for improvements if required .

Faculty members are encouraged to attend staff enrichment programs and academic programs like seminars, workshops to pursue higher studies and to qualify for the required exams like NET, SET etc

Staff members are entrusted with responsibility of organizing (or assisting the senior staff members) in various college activities. They are motivated to take up additional responsibilities besides their academic curriculum, to develop leadership qualities.

#### **6.3.3. What are the welfare schemes available for teaching and non-teaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?**

The college provides ESI Medical and Provident Fund (PF) facility for all management aided non-teaching staff. PF facility for all management aided teaching staff, Maternity leave with pay to women faculty who have completed two years. The aided teachers have Staff Welfare Fund and Joseph's Staff Cooperative Credit Society. These provide credit to the needy member.

#### **6.3.4 What are the measures taken by the College for attracting and retaining eminent faculty?**

The college has both aided faculty and unaided management faculty on rolls. The aided faculties do not pose problems of tenure. The management faculty however poses a threat to the smooth functioning of the college as their tenure in college is disrupted due to a variety of reasons well beyond the control of the college like being trained in college and getting better offers outside of the college. The growing city of Bangalore offers multitudes of opportunities for the well-educated and trained faculty members.

Attracting good candidates for interviews is also a problem in some disciplines. It is a positive sign that candidates from different states have begun to apply for teaching post in the college and currently the college has 61 teachers from universities of other states. The college management has revised the pay scale for its management staff on par with aided faculty and best package compared to other colleges in Bangalore. The management addresses the grievances regarding discrepancies in salaries or Anomalies and any other if any.

It has begun promoting research through allocating seed money to motivated teachers and gives freedom to carry out their academic work within the broad guidelines of the college.

#### **6.3.5. Has the College conducted a gender audit during the last four years? If yes, mention a few salient findings.**

Yes, the IQAC in consultation with the Gender Sensitization Cell (GSC) conducted a gender audit on campus for its faculty. Analyzed data indicate that by and large there has been no major gender related issues on campus on inclusion in leadership, pay and training parity and gender neutrality in appointments and being sensitive to women colleagues. Mention was made for more affirmative action for women unaided staff who are on probation. A very small percentage 4.8% perceived to have experienced sexual harassment on campus.

#### **6.3.6. Does the College conduct any gender sensitization programs for its staff?**

Yes, the college has a Gender Sensitization Cell (GSC) and it has conducted gender sensitization programme for both staff and students during 2014-2015 and in 2016. Issues relating to gender discrimination at workplace, sexual harassment at work place were discussed by lawyers and experts in the field.

#### **6.3.7. What is the impact of the University's UGC-Academic Staff College Programs in enhancing competencies of the College faculty?**

All aided teaching faculty members have to undergo 4 mandatory training programs, 3 refresher courses of three-week duration for their promotions, in any one of the UGC Academic staff colleges located in different parts of India. Most of the aided faculty has completed these mandatory programs and only eight members had to undergo such training. These programs are subject specific and has helped in keeping the faculty abreast with the subject.

### **6.4 Financial Management and Resource Mobilization**

#### **6.4.1. What is the institutional mechanism to monitor effective and efficient use of financial resources?**

Allocation of funds for various heads of expenditure in the annual budget of the institution.

Requisitioning the funds required for items of expenditure by a budget every month, from the BJES, by the end of a month, for the subsequent month.

Apportioning the sanctioned funds for items of expenditure in consultation with and approval of the Principal and the members of the finance committee.

Disbursal of money against bills of expenses, through cheques /DD/RTGS.

Availing statement of payments and deposits of cash / cheque from bank and reconciling the same.

Obtaining an acknowledgement of payments disbursed by authoritative service providers/ representatives.

Monitoring the genuineness of the bills against payments by comparative rates charged for materials supplied or work completed

Daily updating of the payments as per heads of accounts, and maintain files of vouchers along with bills.

Periodic reminders to students who have not yet paid the fees in its entirety.

Issue of acknowledgement against receipts of money from varied sources and maintain a day book of transactions.

List of fee defaulters.

Reminders to service providers for payments due from canteens, stationery store, utilization of grounds, auditorium class rooms, conference halls, event managers and the like.

Verification of total amount disbursed against money received from BJES as per the budget allocated.

Selection of vendors and contractors based on the quotation they furnish. Ensuring minimum three quotations for the same specification of product or work.

Deposit cash receipt into bank every subsequent day other than bank holidays and Sundays.

½ yearly audit of accounts, 3<sup>rd</sup> quarterly audit by the audit staff deputed by the institutional auditor, undertaken every financial year.

Corporation tax, EPF, professional tax, income tax of government aided staff paid to respective government accounts each month. Service tax, luxury tax deductible wherever applicable, is collected and remitted to respective tax deposit each month through BJES.

At the end of the financial year, bank reconciliation statement is obtained before closing the accounts tallying the payments and receipts.

#### **6.4.2. Does the College have a mechanism for internal and external audit? Give details.**

The College has the following mechanism in place for the past several years.

For internal audit: 2 members of the management BJES, designated as revisers, personally visit and check the financial status and authenticity of accounts. The designated persons- other than members of the college- check the particulars of all cash / bank transactions once in the financial year, for 2 successive days, as assigned by the Vice President of the BJES.

The external audit of the College accounts has been entrusted to Mr. S. Deendayal, a Chartered Accountant; he oversees the half yearly, third quarterly and annual audit with the help of trained staff, and suitably instructs us by his observations.

#### **6.4.3. Provide audited income and expenditure statement of academic and administrative activities of the previous four years.**

The next section presents the audited income and expenditure statements .

**ST. JOSEPH'S COLLEGE**  
(UNIT OF BANGALORE JESUIT EDUCATIONAL SOCIETY)  
MANAGEMENT ACCOUNT  
RECEIPTS AND PAYMENTS ACCOUNT FOR THE YEAR ENDED 31st MARCH, 2013

RECEIPTS		Sch No	2012-13	2011-12	PAYMENTS		Sch No	2012-13	2011-12
			₹	₹				₹	₹
To Opening Balances:		1			By Expenses Towards Specific Fees		13	51,16,339.00	34,39,722.00
Cash in Hand			-	-	By Salaries And Allowances		14	2,36,81,705.00	1,74,67,719.00
Balances With Banks			13,20,607.29	9,32,469.89	By Administrative Expenses		15	29,67,393.76	26,81,474.50
	Sub Total		13,20,607.29	9,32,469.89	By Donations And Contributions		16	19,50,425.00	21,85,686.00
To Fees From Students		2	7,10,24,679.00	6,47,33,019.00	By Repairs And Maintenance		17	66,17,615.00	47,26,775.00
To Donations & Grants		3	1,45,000.00	3,11,760.00	By Other Expenses		18	24,10,501.00	20,15,843.00
To Investment Income		4	18,23,944.10	2,33,337.90	By Specific Earmarked Funds			-	-
To Rental And Other Income		5	63,05,600.00	57,17,738.00	By Salary Deductions & Remittances		19	7,82,916.00	6,14,016.00
To Specific Earmarked Funds		6	-	-	By Current Liabilities		20	14,31,202.00	9,56,294.00
To Salary Deductions & Remittances		7	15,45,627.00	11,03,964.00	By Investments		21	82,000.00	1,13,070.00
To Current Liabilities		8	14,14,003.00	8,33,493.00	By Current Assets		22	1,79,28,461.00	1,10,15,815.00
To Investments		9	61,20,869.00	1,24,201.00	By Fixed Assets		23	8,11,93,984.00	3,06,60,273.00
To Current Assets		10	2,15,13,093.00	72,29,179.00	By Interunit Transfers		24	9,35,53,390.00	7,58,24,000.00
To Fixed Assets		11	92,20,000.00	-		Sub Total		23,77,15,931.76	15,17,00,687.50
To Inter unit Transfers		12	11,77,06,604.00	7,18,02,133.00	By Closing Balances:		25		
	Sub Total		23,68,19,419.10	15,20,88,824.90	Cash in Hand			-	-
					Balances With Banks			4,24,094.63	13,20,607.29
						Sub Total		4,24,094.63	13,20,607.29
<b>TOTAL</b>			<b>23,81,40,026.39</b>	<b>15,30,21,294.79</b>	<b>TOTAL</b>			<b>23,81,40,026.39</b>	<b>15,30,21,294.79</b>

Report: We hereby certify that the Receipts and Payments Account for the year ended 31st March, 2013 represents a True and Fair view of transactions for the year. The same is verified by us and found correct.

For ST. JOSEPH'S COLLEGE  
 Authorised Signatory  
 Principal  
 Place: Bangalore  
 Date: 14 JUL 2013  
 St. Joseph's College (Autonomous)  
 7094, BENGALURU-560 027

As per our report of even date  
 FOR SRIRAMULU NAIDU & CO.  
 Chartered Accountants  
 FRN: 0089755  
 C.A. Sriramulu Naidu  
 Partner  
 Membership No.018244

**ST. JOSEPH'S COLLEGE**  
(UNIT OF BANGALORE JESUIT EDUCATIONAL SOCIETY)  
MANAGEMENT ACCOUNT  
RECEIPTS AND PAYMENTS ACCOUNT FOR THE YEAR ENDED 31st MARCH, 2014

RECEIPTS		Sch No	2013-14	2012-13	PAYMENTS		Sch No	2013-14	2012-13
			₹	₹				₹	₹
To Opening Balances:		1			By Expenses Towards Specific Fees		13	62,35,525.00	51,16,339.00
Cash in Hand			-	-	By Salaries And Allowances		14	3,08,17,813.00	2,36,81,705.00
Balances With Banks			4,24,094.63	13,20,607.29	By Administrative Expenses		15	59,64,585.88	29,67,393.76
	Sub Total		4,24,094.63	13,20,607.29	By Donations And Contributions		16	29,47,700.00	19,50,425.00
To Fees From Students		2	8,78,03,472.00	7,10,24,679.00	By Repairs And Maintenance		17	1,13,75,083.00	66,17,615.00
To Donations & Grants		3	2,40,000.00	1,45,000.00	By Other Expenses		18	30,03,416.00	24,10,501.00
To Investment Income		4	3,88,642.38	18,23,944.10	By Specific Earmarked Funds			-	-
To Rental And Other Income		5	67,08,387.00	63,05,600.00	By Salary Deductions & Remittances		19	9,77,113.00	7,82,916.00
To Specific Earmarked Funds		6	-	-	By Current Liabilities		20	20,51,118.00	14,31,202.00
To Salary Deductions & Remittances		7	16,44,947.00	15,45,627.00	By Investments		21	82,000.00	82,000.00
To Current Liabilities		8	20,76,118.00	14,14,003.00	By Current Assets		22	1,19,25,337.00	1,79,28,461.00
To Investments		9	6,57,000.00	61,20,869.00	By Fixed Assets		23	8,73,89,561.00	8,11,93,984.00
To Current Assets		10	1,60,35,621.55	2,15,13,093.00	By Interunit Transfers		24	10,04,81,000.00	9,35,53,390.00
To Fixed Assets		11	35,00,000.00	92,20,000.00		Sub Total		26,31,68,251.88	23,77,15,931.76
To Inter unit Transfers		12	14,61,84,999.00	11,77,06,604.00	By Closing Balances:		25		
	Sub Total		26,52,39,186.93	23,68,19,419.10	Cash in Hand			-	-
					Balances With Banks			24,95,029.68	4,24,094.63
						Sub Total		24,95,029.68	4,24,094.63
<b>TOTAL</b>			<b>26,56,63,281.56</b>	<b>23,81,40,026.39</b>	<b>TOTAL</b>			<b>26,56,63,281.56</b>	<b>23,81,40,026.39</b>

Report: We hereby certify that the Receipts and Payments Account for the year ended 31st March, 2014 represents a True and Fair view of transactions for the year. The same is verified by us and found correct.

For ST. JOSEPH'S COLLEGE  
 Authorised Signatory  
 Principal  
 Place: Bangalore  
 Date: 14 JUL 2014  
 St. Joseph's College (Autonomous)  
 P. Box 27094, BENGALURU-560 027

As per our report of even date  
 FOR SRIRAMULU NAIDU & CO.  
 Chartered Accountants  
 FRN: 0089755  
 C.A. Sriramulu Naidu  
 Partner  
 Membership No.018244



ST. JOSEPH'S COLLEGE (UNIT OF BANGALORE JESUIT EDUCATIONAL SOCIETY) MANAGEMENT ACCOUNT							
RECEIPTS AND PAYMENTS ACCOUNT FOR THE YEAR ENDED 31st MARCH, 2015							
RECEIPTS	Sch No	2014-15 ₹	2013-14 ₹	PAYMENTS	Sch No	2014-15 ₹	2013-14 ₹
To Opening Balances:	1	-	-	By Expenses Towards Specific Fees	12	1,09,62,003.00	62,35,525.00
Cash in Hand		-	-	By Salaries And Allowances	13	4,37,35,205.00	3,08,17,813.00
Balances With Banks		24,95,029.68	4,24,094.63	By Administrative Expenses	14	36,48,862.10	59,64,585.88
Sub Total		24,95,029.68	4,24,094.63	By Donations And Contributions	15	2,55,000.00	29,47,700.00
To Fees From Students	2	10,66,36,445.00	8,78,03,472.00	By Repairs And Maintenance	16	68,11,401.00	1,13,75,083.00
To Donations & Grants	3	2,55,000.00	2,40,000.00	By Other Expenses	17	64,46,126.00	30,03,416.00
To Investment Income	4	3,98,965.99	3,88,642.38	By Specific Earmarked Funds		-	-
To Rental And Other Income	5	91,76,215.84	67,08,387.00	By Salary Deductions & Remittances	18	20,53,820.00	9,77,113.00
To Specific Earmarked Funds		-	-	By Current Liabilities	19	16,26,970.00	20,51,118.00
To Salary Deductions & Remittances	6	21,89,930.00	16,44,947.00	By Current Assets	20	2,57,29,411.36	1,19,25,337.00
To Current Liabilities	7	16,26,970.00	20,76,118.00	By Fixed Assets	21	1,56,08,551.00	8,73,89,561.00
To Investments	8	-	6,57,000.00	By Interunit Transfers	22	13,89,53,034.00	10,04,81,000.00
To Current Assets	9	2,47,22,835.81	1,60,35,621.55	Sub Total		25,58,30,383.46	26,31,68,251.88
To Fixed Assets	10	13,15,040.00	35,00,000.00	By Closing Balances:	23	-	-
To Inter unit Transfers	11	11,18,84,979.00	14,61,84,999.00	Cash in Hand		48,71,027.86	24,95,029.68
Sub Total		25,82,06,381.64	26,52,39,186.93	Balances With Banks		48,71,027.86	24,95,029.68
TOTAL		26,07,01,411.32	26,56,63,281.56	Sub Total		48,71,027.86	24,95,029.68
				TOTAL		26,07,01,411.32	26,56,63,281.56

Report: We hereby certify that the Receipts and Payments Account for the year ended 31st March, 2015 represents a True and Fair view of transactions for the year. The same is verified by us and found correct.

For ST. JOSEPH'S COLLEGE  
Principal  
St. Joseph's College (Autonomous)  
P. Box 27094, BENGALURU-560 027  
Authorized Signatory

As per our report of even date  
FOR SRIRAMULU NAIDU & CO.  
Chartered Accountants  
FRN: 0089755  
CA. Sriramulu Naidu  
Partner  
Membership No.018244

Place: Bangalore  
Date: 22 JUL 2015

2014-15

2015-16

ST. JOSEPH'S COLLEGE (UNIT OF BANGALORE JESUIT EDUCATIONAL SOCIETY) MANAGEMENT ACCOUNT							
RECEIPTS AND PAYMENTS ACCOUNT FOR THE YEAR ENDED 31st MARCH, 2016							
RECEIPTS	Sch No	2015-16 ₹	2014-15 ₹	PAYMENTS	Sch No	2015-16 ₹	2014-15 ₹
To Opening Balances:	1	-	-	By Expenses Towards Specific Fees	10	1,03,01,575.00	1,09,62,003.00
Cash in Hand		-	-	By Salaries And Allowances	11	6,13,81,371.00	4,37,35,205.00
Balances With Banks		48,71,027.86	24,95,029.68	By Administrative Expenses	12	58,24,890.18	36,48,862.10
Sub Total		48,71,027.86	24,95,029.68	By Donations And Contributions	13	2,65,000.00	2,55,000.00
To Fees from Students	2	13,76,53,707.00	10,66,36,445.00	By Repairs And Maintenance	14	45,10,735.00	68,11,401.00
To Donations & Grants	3	3,99,917.00	2,55,000.00	By Other Expenses	15	79,02,917.00	64,46,126.00
To Investment Income	4	5,14,732.00	3,98,965.99	By Salary Deductions & Remittances	16	32,46,808.00	20,53,820.00
To Rental And Other Income	5	1,24,00,209.97	91,76,215.84	By Current Liabilities	17	36,18,121.00	62,26,970.00
To Salary Deductions & Remittances	6	33,04,439.00	21,89,930.00	By Current Assets	18	97,17,247.20	2,70,44,451.36
To Current Liabilities	7	23,94,529.00	16,26,970.00	By Fixed Assets	19	1,42,60,116.00	1,42,93,511.00
To Current Assets	8	1,11,63,054.20	2,60,37,875.81	By Interunit Transfers	20	15,82,90,000.00	13,43,53,034.00
To Interunit Transfers	9	10,93,36,035.00	11,18,84,979.00	By Fixed Deposit	21	7,634.00	-
Sub Total		27,71,66,623.17	25,82,06,381.64	Sub Total		27,93,26,414.38	25,58,30,383.46
TOTAL		28,20,37,651.03	26,07,01,411.32	By Closing Balances:	22	-	-
				Cash in Hand		27,11,236.65	48,71,027.86
				Balances With Banks		27,11,236.65	48,71,027.86
				Sub Total		27,11,236.65	48,71,027.86
				TOTAL		28,20,37,651.03	26,07,01,411.32

Report: We hereby certify that the Receipts and Payments Account for the year ended 31st March, 2016 represents a True and Fair view of transactions for the year. The same is verified by us and found correct.

For MANAGEMENT ACCOUNT  
Principal  
St. Joseph's College  
P. B. Authorized Signatory 000 027

As per our report of even date  
FOR SRIRAMULU NAIDU & CO.  
Chartered Accountants  
FRN: 0089755  
CA. Sriramulu Naidu  
Partner  
Membership No.018244

Place: Bangalore  
Date: 20 JUL 2016

6.4.4. Have the accounts been audited regularly? What are the major audit objections and how are they complied with?

The accounts have been audited regularly. There have been no major audit objections so far.

#### 6.4.5 Narrate the efforts taken by the College for resource mobilization.

The college gets its resources mainly from various student fees and fines collected during the academic year. In addition, the institution mobilizes income through sponsors and donors who come forward during intercollegiate events such as Exodus and Visages. Many certificate courses, seminars and workshops are organized by various departments which also generates income through sponsors and registration. Research project also generate funds for the college for several years the college has rented out its classrooms and playground to outsiders without disturbing the smooth running of the college. The canteen and parking lot in the campus also generates a steady income for the institution. In 2014 a new auditorium was constructed to meet the needs of the institution. This is rented out to third parties when it is not used by the college, which has resulted in substantial income for the institution.

The details of the income generated from various sources for the previous four years are given below:

**2012-13:**

Chemistry Credit Course	20,126.00
Foundation Course Fees	-
HRD Course	-
Bangalore University - Applications	595.00
Certificate Fees	3,02,283.00
Challenge Valuation	-
Duplicate College ID Card Charges	38,850.00
Fine Collection - Hall Ticket	-
Marks Card Correction	13,570.00
Migration Fees	-
Provisional Degree Certificate	1,200.00
Transcript Fees	54,700.00
Verification Fees	29,300.00
<b>Fines</b>	
Fine - Collection	1,13,552.00
Fine Collection- Library Dues	26,971.00
Fine Collections- Breakages	79,680.00
Registration Fees	8,100.00
Certificate Course	31,000.00
Exam & Re-Examination Fees	3,62,350.00
Fees Collections	6,82,23,927.00
Honours Course Fees	12,94,750.00
Re-Admission Fees	3,36,575.00
Revaluation Fees	87,150.00
<b>Total</b>	<b>7,10,24,679.00</b>

<b>Income From Holding Events</b>	
Exodus - 2012	10,000.00
Exodus - 2011	-
Social Zest - Receipts	3,000.00
Visages - 2013 Receipts	28,200.00
Visages - 2012 Receipts	-
Physics Workshop	1,01,799.00
<b>Income From Sale of Items</b>	
Application Fee	7,08,200.00
Application Fees - Internet	2,15,850.00
Application Honours Course	57,000.00
Miscellaneous Income	4,81,338.00
Overheads Income	13,750.00
<b>Rental Income</b>	
Canteen Rent	2,12,000.00
Class Room Establishment Receipts	16,71,950.00
Ground Rent	8,45,000.00
Studio Establishment Receipts	72,000.00
Library Xerox	35,287.00
Library Xerox - PG	3,675.00
Convocation Fees	9,41,793.00
Mid Day Meals - Receipts	2,000.00
Parking Collection	59,070.00
Retreat/seminar/workshop- Receipts	1,41,003.00
Sponsorships Receipts	6,10,157.00
Salary Deduction	92,528.00
<b>Total</b>	<b>63,05,600.00</b>

**2013-14:**

Chemistry Credit Course	32,451.00
Foundation Course Fees	10,000.00
Bangalore University - Applications	-
Certificate Fees	3,16,329.00
Sports Fees	10,100.00
Duplicate College ID Card Charges	86,560.00
Fine Collection - Hall Ticket	2,745.00
Marks Card Correction	4,560.00
Computer Course/ Exam Fee	12,400.00
Provisional Degree Certificate	24,650.00
Retotalling Fees	200.00
Transcript Fees	1,52,000.00
Verification Fees	45,613.00
Mathematics Workshop	500.00
<b>Fines</b>	
Fine - Collection	59,770.00
Fine Collection- Library Dues	28,170.00
Fine Collections- Breakages	17,948.00
Registration Fees	43,603.00
Certificate Course	-
Exam & Re-Examination Fees	7,12,680.00
Fees Collections	8,39,32,793.00
Honours Course Fees	19,05,500.00
Re-Admission Fees	3,36,400.00
Revaluation Fees	68,500.00
<b>Total</b>	<b>8,78,03,472.00</b>

<b>Income From Holding Events</b>	
Exodus - 2012	-
Exodus - 2013	11,100.00
Social Zest - Receipts	-
Visages - 2013 Receipts	-
Physics Workshop	-
<b>Income From Sale of Items</b>	
Application Fee	9,35,900.00
Application Fee 2014-15	73,850.00
Application Fees - Internet	3,15,150.00
Application Honours Course	34,750.00
Miscellaneous Income	86,694.00
Overheads Income	-
<b>Rental Income</b>	
Canteen Rent	2,43,000.00
Class Room Establishment Receipts	19,13,084.00
Ground Rent	8,65,000.00
Ground Income Others	40,500.00
Studio Establishment Receipts	4,000.00
Library Xerox	31,995.00
Library Xerox - PG	8,495.00
Convocation Fees	11,21,250.00
Mid Day Meals - Receipts	-
Parking Collection	11,800.00
Retreat/seminar/workshop- Receipts	35,900.00
Sponsorships Receipts	9,17,000.00
Salary Deduction	58,919.00
<b>Total</b>	<b>67,08,387.00</b>

### 2014-15:

Chemistry Credit Course	35,182.00
Foundation Course Fees	46,150.00
Certificate Fees	12,84,048.00
Sports Fees	-
Duplicate College ID Card Charges	1,02,280.00
Fine Collection - Hall Ticket	-
Marks Card Correction	2,100.00
Computer Course/ Exam Fee	-
Provisional Degree Certificate	-
Retotalling Fees	100.00
Transcript Fees	1,40,860.00
Verification Fees	92,700.00
Mathematics Workshop	-
<b>Fines</b>	
Fine - Collection	39,915.00
Fine Collection- Library Dues	29,844.00
Fine Collections- Breakages	16,076.00
Registration Fees	75,905.00
Migration Fees	1,750.00
Exam & Re-Examination Fees	10,43,505.00
Fees Collections	9,02,16,050.00
Honours Course Fees	21,75,200.00
Re-Admission Fees	3,04,930.00
Revaluation Fees	73,850.00
Eligibility	58,57,000.00
Languages Fees Collection	50,99,000.00
<b>Total</b>	<b>10,66,36,445.00</b>

<b>Income From Holding Events</b>	
Exodus - 2012	-
Exodus - 2013	-
<b>Income From Sale of Items</b>	
Application Fee	-
Application Fee 2014-15	9,32,942.46
Application Fee 2015-16	3,09,147.38
Application Fees - Internet	-
Application Honours Course	29,250.00
Miscellaneous Income	1,53,117.00
Overheads Income	2,13,200.00
<b>Rental Income</b>	
Canteen Rent	3,13,000.00
Class Room Establishment Receipts	5,47,631.00
Auditorium Establishment Receipts	35,77,000.00
Ground Rent	3,85,000.00
Ground Income Others	21,500.00
Studio Establishment Receipts	13,000.00
Library Xerox	17,828.00
Library Xerox - PG	7,705.00
Convocation Fees	11,73,045.00
Parking Collection	1,65,000.00
Retreat/seminar/workshop- Receipts	2,63,100.00
Sponsorships Receipts	6,17,000.00
Salary Deduction	-
NSS Income	1,26,500.00
HRD Course/Outreach Programme	3,11,250.00
<b>Total</b>	<b>91,76,215.84</b>

**2015-16:**

Chemistry Credit Course	36,007.00
Foundation Course Fees	24,750.00
Certificate Fees	14,89,160.00
Duplicate College ID Card Charges	1,04,760.00
Marks Card Correction	2,200.00
Retotalling Fees	1,000.00
Transcript Fees	16,200.00
Verification Fees	90,000.00
<b>Fines</b>	
Fine - Collection	62,035.00
Fine Collection- Library Dues	70,621.00
Fine Collections- Breakages	88,409.00
Registration Fees	1,500.00
Migration Fees	-
Exam & Re-Examination Fees	15,64,370.00
Fees Collections	11,84,03,000.00
Honours Course Fees	24,48,300.00
Re-Admission Fees	3,38,395.00
Revaluation Fees	81,000.00
Eligibility	69,64,000.00
Languages Fees Collection	58,68,000.00
<b>Total</b>	<b>13,76,53,707.00</b>

<b>Income From Holding Events</b>	
Exodus - Receipts	1,33,300.00
<b>Income From Sale of Items</b>	
Application Fee 2014-15	-
Application Fee 2015-16	15,77,796.38
Application Fee 2016-17	2,55,041.64
Application Honours Course	-
Miscellaneous Income	1,76,072.00
Overheads Income	59,550.00
<b>Rental Income</b>	
Canteen Rent	3,20,000.00
Class Room Establishment Receipts	11,85,634.00
Auditorium Establishment Receipts	40,08,226.00
Ground Rent	6,88,200.00
Ground Income Others	20,000.00
<b>Other Income</b>	
Studio Establishment Receipts	-
Library Xerox	11,593.00
Library Xerox - PG	2,428.00
Convocation Fees	19,19,350.00
Parking Collection	1,10,530.00
Retreat/seminar/workshop- Receipts	4,58,529.00
Sponsorships Receipts	4,00,700.00
Mid Day Meals-Receipts	5,58,100.00
NSS Income	4,24,260.00
HRD Course/Outreach Programme	90,900.00
<b>Total</b>	<b>1,24,00,209.97</b>

#### 6.4.6 Is there any provision for the College to maintain the ‘corpus fund’? If yes, give details.

The income that is generated every year by the institution is used up for maintaining the building and other infrastructure and payment of salaries of the staff. Therefore, there has been no provision for the college to maintain the “corpus fund”.

### 6.5 Internal Quality Assurance System (IQAS)

#### 6.5.1. Does the College conduct an academic audit of its departments? If yes, give details.

The college has a robust system of conducting academic audit and such audits are conducted at various levels and at various intervals. At the end of every month, through its work Done Diary System HOD monitors the academic work carried out by the faculty, at the mid and at the end of the semester academic audit is done at the Staff Council Meeting. From this year the work done diary is filled in online by the staff.

At the end of the semester, the COEs office prepares a consolidated academic audit. In case of need like loss of working days due to external factors such audits are carried out during mid semester itself by the staff, Headsof Dept, Deans, the COE and the Principal. Extra classes if required are provided for in terms of adjustments in workload/time table. An audit for the effective functioning of various extracurricular clubs and associations are collected at the end of every academic year. Finally, the Academic Report is presented at the Academic Council. Academic audit in the form of sharing examination results also take place at the Staff Council where the COE shares the examination result of each department and pass percentage of students. Internal audit also takes place to ensure that each department conducts it BOS on time. All minutes of the meeting of the Board of Studies is submitted to the COE and finally to the Academic Council for approval. Recommendations whenever made and practical to implement are implemented.

### **6.5.2. Based on the recommendations of academic audit what specific measures have been taken by the College to improve teaching, learning and evaluation?**

The suggestions made during the academic audit meetings have been useful to bring about the desired quality changes. In case of classes missed the principal suggests the number of extra classes that need to be taken. Some of the outcomes have been improvements in the presentations of the syllabi, increased use/misuse of ICT/mobile phones in teaching, creating an effective student mentoring system, computerization of student attendance system. The conduct of examination and the challenges posed have been an area which has witnessed continuous improvement like the introduction of Bar coding for examination papers, entry of marks, greater transparency in awarding internal marks and the working of the examination Grievance Cell. It has also been helpful in setting up of various committees to redress emerging needs of the student body and making of rules and regulations like on students' attendance issues, internship, grading and conduct of evaluation, introduction of the Choice Based Credit System.

### **6.5.3. Is there a central body within the College to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?**

The central body which continuously reviews the teaching learning process is the Academic Council. This council consists of the Principal, Vice Principals, COE, Deans of social sciences, physical sciences, natural science and commerce, Heads of all departments, coordinators of the post graduate departments, IQAC coordinator, Research Director of the Research committee and functionaries of various college committees such as welfare officers, placement officer, extension officer, NCC, physical director and sometime a particular staff or dept. which is specifically required to be present depending on the nature of the issue being discussed.. It looks into the adherence of the college calendar of events, Students' feedback on curriculum and facilities, feedback on teaching learning and decides on allotting work

It follows a participative methodology as the inputs on various issues as they emerge during the regular functioning of the college become the matter of discussion during these monthly meetings of the council. Issues range from that relating to attendance, issues pertaining to drop out rates, number of classes held, completion of syllabi, setting of question papers, smooth conduct of examination, announcement of results, conduct of board of examiners, board of studies, need to introduce a new course, a new academic activity, research and extension activities, placement, and matter which is current and relevant and requires concerted debates. All these matters pertain to issues relating to teaching learning process. The issues on hand are deliberated upon and suggestions are given during these meetings or at times a new subcommittee is appointed to look into a new and specific issue. The outcomes are intended to improve the quality of the teaching learning environment on campus and hence are followed with the seriousness required. This has resulted in providing quality education as a continuous and consciousness activity of the college.

### **6.5.4 How has IQAC contributed to institutionalizing quality assurance strategies and processes?**

Since the college began its first effort to go in for accreditation 1997-98, the college has come a long way in terms of quality consciousness. This academic and institutional activity has resulted in instilling a momentum of quality consciousness in college right from those days. Today creating, monitoring and enhancing quality as a culture is more of an internal mechanism than an externally imposed system. Quality is today considered an

indispensable and essential action for providing sustainable quality higher education by the colleges. For nearly twenty years or more collecting student feedback has become a norm in the college and lately collecting feedback from other stakeholders has also begun, heralding a story of continuous quality enhancement than an ad hoc activity. A full-fledged documentation center is an outcome of the third cycle accreditation and this has enhanced the accountability and documentation of all activities carried out in the college. Members of the faculty have become resource persons on quality issues in other colleges and also attend seminars and workshops conducted by the IQAC of other colleges in the country.

For this fourth cycle, feedback responses were collected from different stakeholders, analyzed and presented to the faculty as a part of instilling quality as a part of the institutional processes. Seminar on the role and functioning of NAAC, IQAC was conducted for the newly appointed teachers who joined the college after the third cycle. Thus the NAAC accreditation process and the follow up with the establishment of the IQAC has ensured that quality has become institutionalized and is the philosophy behind all activities we carry out on campus with the stated mission and vision statement of all departments and the college as our benchmark.

The IQAC has been the nodal body to ensure quality in all academic processes carried out in the college. The IQAC's major intervention was in the form of an extensive External Audit carried out in college by the faculty of Loyola college of Business Administration Chennai. For this fourth cycle the IQAC conceptualized and conducted an exhaustive feedback system of its stakeholders.

Feedback responses were collected from different stakeholders, analyzed and presented to the faculty as a part of instilling quality as a part of the institutional processes. During this fourth cycle, the IQAC conducted

- a) Review of Evaluation System Under Autonomy (300)
- b) Students Feed Back On Infrastructure and Services, (822)
- c) Student Feed Back On Teachers (all students)
- d) Teachers Feedback On Organization Climate (105)
- e) Feedback from Non-Teaching Staff (20),
- f) Gender Audit (105)
- g) Feedback On Library Services (450)
- h) Parent Feedback (61)
- i) Alumni Feedback

Teacher feedback, teacher gender audit and evaluation feedback was conducted in an anonymous manner, while the other feedback was collected online. The suggestions given to different departments were handed over to them to make the necessary changes if possible. However, it was a healthy exercise and it has opened areas that require attention like in infrastructure.

The college has a Documentation center with a dedicated team which effectively document all programs and activities organized by the college during the academic year and it along with the IQAC was actively involved in the submission of application for UGC Review of Autonomy, preparing the Self Study Report for RUSA, and for filing the NIRF Data. The IQAC also attends to sharing information with external agencies which conducts surveys.

**6.5.5. Does the IQAC have external members on its committees? If so, mention any significant contribution made by such members.**



The IQAC has external members on its committee. We have an alumni representative, an industrialist, a parent and an academic representative. All these members are involved in giving suggestions at different levels and supporting the college in its quality enhancement initiative.

#### **6.5.6. Has the IQAC conducted any study on the incremental academic growth of students from disadvantaged sections of society?**

The college follows preferential option for the poor as a philosophy and inclusive education in its administrative processes. One of the functions of the controller's office is to follow up the incremental growth of such students. Free ships given to students from disadvantaged section of society is closely monitored for improved academic performance and scholarship is extended when students have fared well in the examinations.

The student welfare officers' system which has been in vogue for more than thirty years has been a success as far as monitoring and supporting student progress in the college is concerned. With the growth of the college, now for more than ten years this welfare officer's system is supported by the mentor system with a mentor for every 30-40 students in a class. This has ensured that all students are under the care of a mentor who monitors their academic progress, their attendance, and issues of discipline if any and also refer cases of students with personal difficulties to the counselors or to other senior faculty.

IQAC does not directly monitor this process as this is done by the COE office who shares the data with the IQAC. This mentor/welfare system and data from the COE office has helped in conducting bridge and remedial courses, providing mid-day meals to the needy and suggesting book bank books to the library. In specific cases the management is informed about the difficulty a student faces and possible support from the college is given to the student.

#### **6.5.7. What policies are in place for the periodic review of administrative and academic departments, subject areas, research centers, etc.?**

As mentioned earlier, the college has a well-established quality assurance system which has been institutionalized and caters to providing quality education as a matter of duty. This institutionalizing of quality culture has resulted in deep introspection in all areas of campus activity and every member has been inculcated with the need to provide quality service. All departments have a vision and mission statement which directs their academic activities towards quality. The participative management style practiced in the college ensures that all departments adhere to college guidelines but enjoy freedom to carry out their academic activities with the broad guidelines laid down for the college by the management and the college administration.

A cluster of departments work under the Deanery which shares experiences and concerns about quality based on data and informal collection of information. Policy statements are available for the functions of various functionaries of the college and for various processes like recruitment of staff, admission of students, research committee, administrative office and the like.

#### ***Any additional information regarding Governance, Leadership and Management, which the institution would like to include.***

The college enjoys a cordial and healthy relationship between the management and its staff and staff enjoys a warm relationship amongst themselves. This in turn generates enthusiasm and creates a sense of belongingness to the college.

## CRITERIA VII

### INNOVATION AND BEST PRACTICES

#### 7.1 Environment Consciousness

St Joseph's College, Bangalore is committed to environmental protection and promoting sustainable environmental practices. This process began in 1986 when the college offered its undergraduate course in Environmental Science in combination with Botany and Zoology. Today, besides this course being offered, the Department of Economics offers an optional paper in Environmental Economics; Departments of Bio Technology and Microbiology have units on the subject and student body like the WAAC directly promotes activism in generating environmental consciousness. Besides, choice based course is offered in Environment and Health, and a Foundation Course in Environmental Science is offered to all students. Thus through academic courses and activism, environmental consciousness is raised in college campus.

##### 7.1.1 Does the College conduct a Green Audit of its campus?

Yes, the college has been regularly conducting an Internal Green Audit on campus. The audit is conducted and maintained by the Department of Environmental science. Projects under green audit were conducted by students of the department of Environmental science: Biodiversity, *energy, solid waste and water auditing of the institution* (a case study of St. Joseph's college, Bangalore).

##### 7.1.2 What are the initiatives taken by the College to make the campus eco-friendly?

\* **Waste segregation under the categories of plastic, paper and other recyclable waste.**

\* **Use of renewable energy**

The college is the first of its kind in South India, which uses renewable energy on campus. The Solarization of the Campus was done when the college installed a 100 KW roof top solar power system covering an area of 11000 sq.ft. in the year 2010. This project was commissioned under Jawaharlal Nehru National Solar Mission. All types of energy load on campus ranging from lights, lab equipment, air conditioners, lift to water pumps are powered by solar energy. On a daily average, 425 KW of power is generated during peak hours and the college is contributing in fighting global warming by reducing emission of 7600 kg CO<sub>2</sub> every month and 91,000kg every year. During the project life of 25 years, the college would have contributed to the global cause by reducing 23 lakh kg of CO<sub>2</sub>.

\* **Water harvesting**

The College has Rain Water Harvesting and Ground Water Recharging system in both the UG Blocks and PG Block. This helped in conservation of water.

\* **Check dam construction**

The college does not have a check dam.

\* **Efforts for Carbon neutrality**

The college in its effort to attain Carbon neutrality, has contributed 1500kg of paper waste for recycling which has saved 33 trees, 39 kilo liters water, 1MT carbon Dioxide reduction, 675 units energy and 1.7 cubic meter land fill space since the last two years. This is done in collaboration with the ITC limited.

\* **Plantation**

The continuous process of green audit has helped the college to compile a Photographic descriptive taxonomic catalogue of the flora of the campus. The Department of Botany maintains a Green House and Department of Environmental Science maintains the Medicinal Plant Enclosure. The flora of the campus is documented and a catalogue of taxonomical description is maintained in the Botany department. The Post Graduate students were sent to Manvi, Raichur district of Karnataka for the Rural Exposure camps. During these camps, they have planted over 1,500 saplings in St. Xavier School campus thus educating students about the importance of social forestry. Vanamahotsava is celebrated in college. The Green House which features rare plants is of environmental and academic importance. Aromatic and medicinal plants are maintained in a separate garden.

#### \* Hazardous waste management

In order to minimize chemical and water consumption in the labs, “Green Chemistry” is practiced in labs. Utilization of toxic chemicals, acids and alkalis are reduced by carrying out the experiments in groups and usage of Carbon tetrachloride (CCl<sub>4</sub>) and Chloroform (CHCl<sub>3</sub>) is reduced to protect the ozone layer. Animal Dissection has been eliminated in accordance with UGC Guidelines by the Department of Zoology.

#### \* e-waste management

E-waste is collected by the students and handed over to the private collection unit. Since 2012, 100 keyboards, 100 mice and 50 cables have been sent for recycling. Old Computers of the college were donated to Loyola PU College, Manvi and Loyola Primary School, Bangalore.

#### \* Any other

For Solid Waste Management Vermi-composting is being carried out in UG and PG blocks. A workshop on solid waste management by “One Bag and Two Bins System” was organized and **two Documentaries** around the theme “Keep the Campus Clean” were prepared by the students. A two bin system is being practiced in public places on campus. Plastic and paper wastes are segregated by the Hygiene Staff and they are allowed to sell the wastes to the recycling units. When the quantity of solid waste becomes large, it is disposed into the BBMP service tippers.

Old furniture (Desks and benches) of the college were donated to needy schools.

Movements and rallies are an important part of raising environmental consciousness and the

Swachh Bharat Pledge was taken by all students. Each final year student takes the pledge of protecting the Environment on the occasion of Farewell Day Ceremony. Fumigation of the campus is done periodically to prevent the spread of Dengue and Chikungunya.

Students of the Department of Environmental Science carry out projects about environmental issues. They have worked on topics such as

- Phytoremediation of sewage using planted gravel filter system.
- Impact of cultural eutrophication on Bellandur lake, Bangalore.
- History of water management in Bangalore.
- Veterinary biomedical waste management (A study on veterinary hospitals and clinics in urban Bangalore).
- Carbon footprint of vegetable supply chain in Bengaluru.
- Study of fluorides in ground water-a case study of Bagepalli taluk.
- Study of urban heat islands in Bangalore city
- Impact of municipal solid wastes and their management in Bangalore city.

Students from the Department of Economics have written assignments on environmental issues affecting Bangalore city such as the city lakes, waste, waste disposal, food waste, livelihood issues and the like.

The college is a 'No-Smoking' zone and Anti-tobacco Day is observed every year.

World Merit Day–We were the only college in Bangalore who celebrated World Merit Day. In partnership with the United Nations, we work on promoting the program of Sustainable Development Goals.

## 7.2 Innovations

The college believes that innovation in different processes in the college is the path to provide quality education. Both the student body and faculty are constantly involved in innovative activities on campus

### 7.2.1 Provide details of innovations introduced during the last four years which have created a positive impact on the functioning of the College.

The innovations are categorized criterion wise:

#### Curricular aspects

- The college started innovative courses related to journalism with lab requirements namely Communicative English, Political Sciences (CPE) and Economics and another course namely English, Journalism and Psychology (EJP). Both these courses had good responses in terms of applications.
- The college introduced the B. Com course to account for the demand for the course in city.
- Yet another innovation was in continued industry- institution interaction which resulted in offering one undergraduate and one post graduate course in collaboration with Tata Consultancy Services: B. Com- BPS (Business Process Services) and M. Sc Big Data Analytics. Both courses are well-received.
- Two UGC vocational courses in media studies were introduced: BVoc in Film Making and BVoc Animation, both again drawing a good response. Besides, a large number of certificate courses are being offered to interested students in the field of basic sciences, natural sciences, social sciences, languages, art/ theatre and skill based courses. Entrepreneurship courses to train in entrepreneurial skills, micro level business and marketing is part of many departments. Departments of Economics and Industrial relations offer it as an optional paper.

The college has committed to innovations in knowledge delivery through an optimal use of available technology. Innovative teaching pedagogy which is popular in many subjects is a source of creative thinking for the students.

CBCS paper –the college introduced choice based curriculum from this academic year 2016-17 and syllabi for 35 papers for UG and 11 papers in PG for open elective have been designed by the departments during the academic year 2015-16.

#### Teaching Learning Evaluation

Much of the innovation that has taken place in the college relates to this important criterion of teaching-learning-evaluation. Autonomy has provided teachers with the freedom to devise innovative teaching-learning methodologies in their curriculum and this has been a continuous process. The student body of the college is diverse with students coming from different academic and socio-economic strata. This poses challenges to the teaching-learning process being carried out in college.

- **Streaming of students to cater to academic diversity:** Faced with the challenge of mixed ability classes, the Department of English used the opportunity provided by the conferment of autonomy to divide students into three learning streams based on their

ability levels in the English language at the entry stage. Levels are gauged through the instrument of a diagnostic test administered in the first week after admission to the college. The objective is to help a student to journey from the level he or she is actually located in and follow a graded path upwards to more advanced levels. Accordingly, the curriculum and teaching approach were customized differently for each stream. Currently, there are three streams in the first year and two elective courses in the second year. The system is working well and has been delivering tangible benefits in terms of student progression in General English. The department has innovated to develop a theme based curriculum and syllabus that is customized differently for each stream. The English department has set up an Innovative Language Lab where teachers and students design and produce a wide range of audio-visual materials for use in the development of language skills in the lab which are culturally aligned rather than depending on costly imports. Remedial classes, tutorials and peer teaching have been regular features of almost all departments.

There are 39 Certificate Courses of 60 hours' duration for Arts students and 120 hours for Science students. Each Course fetches 4 credits.

- **Mandatory research requirement:** Various Post-Graduate programs have a mandatory research requirement in terms of dissertation writing. The post graduate Department of Economics has an eight credit dissertation and is graded on the basis of three internal seminars namely proposal seminar, work in progress seminar and final seminar, one long essay and a dissertation. Post-Graduate department of Political Science, Post-Graduate department of English and Post-Graduate department of Social Work have a dissertation requirement. The Post-Graduate Micro Biology Department has a full semester for dissertation. The Department of Environmental Science has made a research-based dissertation mandatory in the final semester of the BSc course. All undergraduate courses have term paper writing as a compulsory academic activity. Apart from this, the college offers the choice based credit system and offers a variety of courses for students from across disciplines.

One of our departments has mandated a thorough, semester-by-semester engagement with research methods and conventions at the undergraduate level. Co-curricular extensions are focused on building problem-solving and practical skills among students.

- **Laboratory/ practical work in Mathematics, Economic and English courses:** The Post Graduate Department of Economics has added a practical component to its Research Methodology and Computer Applications Course where fifty percent of its syllabus is for practical classes and students are taught to handle big data like the NSSO and IHDS using software like STATA, SPSS and R. Practical examinations are also conducted for the same. It has introduced a Computer Programming course as an optional for the BSC and post Graduate Courses which is lab oriented.

- The Post Graduate Department of Mathematics offers practical classes to provide hands-on experience in the use of software for mathematics and mathematical models and a new exclusive Maths ICT laboratory has been created for engaging practices.

- The English department has introduced lab based work for the journalism students in web designing, print designing by having practical classes for the same.

- **Participative learning methods** like Case studies, role plays, situation simulations, mock Parliament sessions, group work, panel discussions lab work are now popularly used by the teachers of social sciences and humanities. On-spot study analysis of sample populations of under privileged/marginalized/small time traders/menial workers is part of the sociology curriculum. The experiments in Electronics are accompanied by pre-lab and post-lab questions to enable a more effective understanding of concepts.

- **Feature films and documentaries** are used profitably to enhance learning. Individual teachers make use of the multimedia facilities available in the institution, thus making more holistic learning possible. Students also produce short films and documentaries under the guidance of teachers. Some of them are well-acclaimed and have won awards. You Tube for animations and TEDx Talks for popular lectures are shown. Submission of Models/ Photographs is also part of the learning process.
- **Subject experts as resource persons:** All departments invite resource persons for talks and discussions on policy matters, societal issues and on advances in science and technology. Industrial trips and field trips are conducted to give real time exposure to students on various subjects. Seminar presentations and Quizzing by students, teachers and Quiz masters is effectively used by most departments.
- **Use of ICT in teaching-learning:** Majority of the class rooms and labs are fitted with LCD projectors. Practical specimens interfaced with stereo zoom microscopes and LCD projectors have helped students understand microscopic specimens better. Web based interactive smart classes are utilized in classes. MOOCs and MOODLEs are used by some departments in their teaching-learning processes. Students are given assignments centered on the use of social media tools like Facebook, Twitter, Instagram, Tumblr, and Snapchat and blogs, INFLIBNET and by carrying out field visits, book reviews and textual critique. Almost all courses use ICT for teaching and for providing students opportunities to prepare and present in class. Economics course has a program on computer soft ware which has a practical examination .
- **Creating ‘Student’ teachers:** The Post Graduate Department of Political Science engages students of post graduate departments of Political Science Economics, English, Social Work students who have studied Indian constitution in their undergraduate courses to take classes for the undergraduate course in Indian Constitution-which is mandatory and requires large man hours. Besides being provided with training in teaching the subject, they are also trained to evaluate answer scripts. Interested students thus learn basic teaching skills as well. The Post Graduate Department of Economics has engaged its post graduate students to provide remedial classes to the undergraduate students.
- **The Joseph Outreach Centre** has taken the initiative to send our students as ‘Student’ teachers’ to teach in government run schools thus encouraging many of them to pursue their career in teaching.
- **Human Resources Development courses:** The campus minister is in charge of organizing Human Resources Development and theology classes. Young teachers under the mentorship of senior teachers plan sessions for these courses and thus train young teachers in conducting these sessions. They engage classes for an hour on all Saturdays.
- **Question papers:** In Chemistry, 20% of the questions are of application- type (IIT-JEE type) to discourage rote-learning. The departments of English, Kannada and Hindi set different question papers for BA/BSc/BCom courses and English offers a choice of three themes in question papers for each stream of students. Economics has different question papers for students with visual impairment and other disabilities. In entrepreneurship course case studies are given in examinations.
- **In-house publications** “Josephite”, the college newsletter, is published by the college to cover all events of the campus. Daily events are covered by the newsletter “The Beacon”. Many departments have in-house newsletters and in-house publications such as *Open Dosa*, *Perpendicular*, *Outreach*, *Helixer* and *Zest*. Online International *Journal of Biological Research* with ISSN is published bi-annually([www.biovistas.net](http://www.biovistas.net)). The college also compiles an annual called “Blue and White”.

- **Internship:** Post graduate courses in Economics, Political science and Micro Biology have compulsory internships as part of their curriculum. Industrial-mentor based programme is conducted by the department of Biotechnology in collaboration with Curricooler Company.

- **Innovation in the examination section:** The examination centre is the nucleus of the college. Post third cycle accreditation, several changes have taken place in this important unit of the college. The objective has been to provide an efficient and effective examination system which enhances the quality of the inclusive education the college provides.

- To **reduce the wastage of paper** from examinations, ruled answer scripts with 28 lines per page are provided to the students in the answer booklet. Used answer scripts are sent for recycling (Environment & Recycling Solutions, India). The old answer papers with leftover writing space **is being** supplied to ITC Company which uses it for preparing note books and **is** distributed poor students. Unused sides of the answer scripts were detached, bound and given to poor children in orphanages. Booklets are also prepared for workshops. The unused sides of photocopied sheets are further used in the administrative office for typing notices. Examination booklets are now **bar coded**.

- A **state of art software** was purchased for the maintaining the examination and attendance records of students. It has helped in improving the quality of the services provided by the centre- like error free attendance entry and marks entry. It has also helped teachers and mentors to view attendance of students and marks for facilitating better mentoring. Departments are better positioned now to examine the results of their subject online and find possible explanations for the outcomes. With the help of this system today, eligible candidates can download their hall tickets for the final Semester Examination.

- **Collecting Student Feedback:** This software has also helps in collecting student feedback of teachers, on infrastructure services, on library services and helping students view their attendance and marks online at their convenience.

This has another advantage where Parents/Guardians are **alerted by an SMS** of absence of their wards every day. Today Online verification of Certificates for graduated students can be done on [www.sjc.directverify.in](http://www.sjc.directverify.in) from anywhere across the world. Results of end semester examination are announced within a week of the conduct of the examinations and can be viewed online.

- The examination reforms include the conduct of Make-up Test for the students who missed the tests due to valid reasons like the contraction of a contagious disease, dengue, chikungunya, accidents; or those who have represented the college for sports and games by paying a minimal fee. Visually challenged students answer their examinations with the use of a designated software on computers assigned for this purpose. Development of a hearing aid software system for the physically challenged has been arranged for.

### **Research, Consultancy and Extension**

The college research committee was set up during the academic year 2016-17 with a funding of Rs 50 lakhs providing seed money for research to young researchers.

The college has seen several external agencies participate in research programs. A total of 39 research projects (11 major and 28 minor) were obtained by the faculty during the last four years.

A MoU for Research and Student Exchange programme has been signed with St. Louis University, USA and Namur University, Belgium. Two international conferences have been conducted by this collaboration. Three members of the staff have visited these

universities under faculty exchange program. Students from Namur University have visited our college and our students have visited Namur University.

The college has provided consultancy services to several city colleges and other colleges from the country in terms of IQAC and college functioning. A few departments are actively involved in consultancy with industry, science and social science institutions and other colleges. They share expertise and generate funds by completing experiments for other institutions. Our teachers are sought after as resource persons in various fields. They are what most people would call public intellectuals.

The College has a sophisticated Central Instrumentation Laboratory to augment the instruments available in the Departmental laboratories. The College has a recognized Research Centre affiliated to the Bangalore University to carry out research leading to Ph.D.

- The newly founded **Joseph's Research Forum** set up under the DBT star program has a project which encourages students and teachers from different disciplines to work together. All these result in resource sharing among faculty and students.
- The Josephs Research committee has assisted young teachers to pursue research by granting them seed money.
- The newly formed **Joseph's Outreach** program is a compulsory program which envisages the building of appropriate knowledge, skills, values and attitudes necessary for creating a just and secular society across student community which is the mission and vision of the college. This is done by participating in villages camps and providing various services in the city. Mentors are also engaged in these activities.

### Infrastructure and learning resources

As the college has added new courses, increased the used of ICT, the infrastructure of the college has also seen many changes including teaching and students' management.

- A new state of the art Auditorium with 1200 seating capacity and six Seminar Halls besides several class rooms have been added to the college infrastructure. Six guest rooms are available in the campus for visiting faculty and external examiners. There is a Prayer/Meditation room, Music room and staff reading and recreation room. Three modern and well equipped studios for audio recording and video filming have been added to the infrastructure. Almost all classes have ICT and all staff have access to computers. The whole campus is Wi-Fi enabled.
- History Museum: Preserves archives of college history and photographs and manuscripts of important events of the history of Karnataka and Bengaluru.
- Medical Fund is provided to the needy staff members for major surgeries. Non-teaching staff members can avail the benefits of Employee's State Insurance (ESI) Scheme. Staff Co-operative Society offers small financial support to the needy staff. The College has an MoU with St. Philomena's Hospital, Bengaluru for emergency medical treatment of students and staff.
- College has contracts with security agencies and has installed CCT Cameras in prominent locations to avoid any untoward incident and make the campus safe. Closed circuit TVs and public address systems disseminate official information and circulars. College provides elevators, ramp and wheel chair for physically challenged students and staff members.
- To provide convenience to students, a stationery stall with photocopy facility is available within the campus. College provides two-wheelers parking facility.

Bus facility-for the purpose of field visits and Outreach Programme- college bus facility is available. The college also has two cars for use.



In order to share information about various events and activities in the college with all the students of the college, three of our students designed the **SJC** mobile app for one of the oldest institutions of the country paving its way to leap in the technological advancement. All students have smart cards that are useful in economic transactions on campus. It is an innovative step to make the campus a cash-free zone.

#### Innovation in Library

- The library has undergone several changes during the last four years. Galileo Digital Learning Centre- a digital library system has been introduced. It is connected with LAN /Wi-Fi to all the systems on entire campus and is available for the students and staff. It has 6 TB (Tera Byte) storage capacity and it is on *Ostillos* platform. It has a large collection of e-books, e-journals, PPT presentations, video presentations, biographies of eminent personalities, industrial case studies, language labs, fictions and non-fictions etc.
- The library staff conducts a Library Information Literacy Program in the beginning of the academic year to all classes. The librarians are available to the students for similar enquiries and literacy programs throughout the year in co-ordination with the class mentors.
- The library organised a two day book fair with twenty three publishers, distributors and suppliers participation.
- The library software has introduced EPAC to help the users to know the bibliographical details and real time availability of books. The library has an assistive technology from Freedom Scientific (JAWS for Windows, Focus 14, 40 & 80 Blue for students with physical or learning disabilities. A Smart Gate Register is kept at the entrance of the library. Users have to show their Identity Card or furnish particulars at the Gate Register for entry into the library. A Smart gate register is helpful to get statistics of library users.
- The library has separate section for economically poorer and SC/ST students and books are available in the book bank.
- New infrastructre in the library houses the computer lab and the digital learning centre.

#### Student Support and Progression

Several activities are held in college by the students' union and the 52 departmental associations for the benefit of the student community throughout the year. Activities take the form of competitions, awareness/sensitization campaigns, entrepreneurial, academic and extension activities.

Students of NSS and NCC Cadets took part in International Yoga Day. Independence Day and Republic Day is celebrated by strictly abiding the protocol of the ceremony. International Women's Day, Gender-sensitization, Anti Suicide, AIDS Awareness, inter religious Faith and Harmony, programs and activities are organized regularly on campus. Campaigns for various issues of social concern are undertaken by students and staff. Several programs of literary nature are held and discussions on social issues are a regular feature of the college. Pet show accompanied by talks on domestic animals, their care and adoption is held on campus. The North East Tibetan Forum and International Students Forum conduct their cultural events every year. Ethnic Day, Vanamahotsava and World Human Rights Day are celebrated on campus. The Inter-class sports competitions are well organized with each class taking part in the March Past on sports day and participating in several field and track events.

Parents Teachers Meeting (PTA) is conducted every semester to facilitate interaction between parents and teachers to help parents know the difficulties their wards face well in advance of the final examination. General PTA is conducted to get the feedback from parents and guardians. An innovative compulsory programme was initiated to foster

parent –ward –College relationship by conducting an Orientation for the parents and guardians at the beginning of the academic year.

Student’s Council organizes Teachers’ Day celebration every year. All teaching and non-teaching staff members have Fellowship Meeting with the Management every semester. Retiring teachers are honored on the Institution day.

Annual Alumni Get together is organized every year in the campus and Alumni News Letter is released on the day of the occasion. Fare Well Day is celebrated for outgoing students and four distinguished alumni are honored on this occasion. They address the final year UG and PG students and three students’ representatives deliver valedictorian address

College Annual Day is celebrated and Gold Medals are given to the toppers in each subject and the best outgoing students are honored.

Union Voices is an initiative by the Student Union of St. Joseph's College to help students form strong ties with the college. Students can use this form to raise queries, make suggestions and register grievances regarding campus life.

Orientation program is conducted for freshers every year which introduces them to a variety of information relating to college. Ignitors programme -In order to develop Life Skills, a compulsory programme “IGNITORS” is conducted in the beginning of the academic year for all the students.

Scholarships and Mid-Day Meal scheme –The management has given Rs 20 lakhs scholarship per annum to the students belonging to BPL category every year. Mid-Day Meal scheme is given for the poor students, which is sponsored by some Alumni.

Tackle fest- A innovative programme where the 300 students from Rural Government schools are invited to the campus. The students are taught various concepts in science and arts to visualize and initiate learning.

The College has an Observatory with a State of the Art Telescope for studies in Astronomy. Members of the public visit the Observatory for night sky viewing.

Centre for Skill Development and Placement **organizes** various talk sessions with experienced professionals to keep students abreast of the various avenues available for them and arranges for placements and interviews for campus selection. It provides Career guidance by helping students to make suitable career choices. Workshops on knowledge and skill development for taking various competitive examinations, basic managerial skills, resume writing, Group Discussions and mock Interviews is organized. The center also establishes contacts with various governments, nongovernmental and corporate sector for lectures, internships and in-house training. It finally establishes contact with prospective employers and makes arrangements for Campus Hiring activities.

### **Governance, Leadership and Management**

- A decentralized administrative system with the purpose of providing the best to the student body as ensured that the mentor system has been improvised and caters to the needs of students.
- Feedback systems of different kinds have been initiated which has gone a long way in improving the services rendered.
- The Josephs research forum and Josephs outreach center has been established
- Four counselors provide counseling services to the college

### **7.3 Best Practices**

**Give details of any two best practices which have contributed to better academic and administrative functioning of the College.**

The institution has kept pace with the times organizing its administrative system on the principle and practice of ‘decentralization’ of powers and duties. The staff has been mobilized to take on administrative leadership roles so as to divest the centralization of authority, implement decisions, and streamline academic processes.

### **7.3 Best Practices: Any TWO**

#### **A: Title of the Practice: Joseph’s Social Outreach Centre**

**Objectives of the Practice:** What are the objectives / intended outcomes of this “best practice” and what are the underlying principles or concepts of this practice (in about 100 words)?

The Joseph’s outreach activities have been a part of the college in the area of extension services for several years. The setting up of the ‘Joseph’s Social Outreach Centre’ has formalized this activity and has shown how effectively it has contributed to the college vision and mission. The center has the following objectives

- To put the mission of the college of ‘forming men and women for others’ into practice and to make the vision of ‘Striving for a just, secular, democratic, and economically sound society’ a reality.
- To sensitize our students to the challenges and the problems faced by the disadvantaged and vulnerable sections of the society
- To develop social skills, knowledge and attitudes necessary for building a just, secular and equitable society. (111)

**The Context: What were the contextual features or challenging issues that needed to be addressed in designing and implementing this practice (in about 150 words)?**

St. Joseph’s College, Bangalore, has the vision as “Striving for a just, secular, democratic, and economically sound society, which cares for the poor, the oppressed and the marginalized”. With this vision the college has been practicing outreach program in a variety of ways over a long period of time. However, it was felt that there is a need to consolidate and design the entire activity in an organized manner so as to enable more efficient and systematic working of the program. The issue was that it was not able to efficiently plan and monitor the activities and thus the need for establishing a separate unit with dedicated staff. Once this has been established, issues of social relevance were debated, discussed and finalized for execution by involving the mentors of classes. It has enabled the college to incorporate them into the college calendar as well thus assisting all concerned to plan their work as well. (154)

**The Practice: Describe the practice and its uniqueness in the context of India higher education. What were the constraints / limitations, if any, faced (in about 400 words)?**

After the setting up of this center, issues of active social intervention by the students were finalized. The College has since then adopted Manvi, in Raichur a district in Karnataka where discrimination is suffered by the Lambanis, Devadasis and Dalit communities and this became the center of focus. The Post Graduate students are assigned this task as they go for a rural camp for five days during their course of study. Apart from plantation, they go into villages and slums and interact with the local people thus becoming aware of various forms of discrimination suffered by the marginalized groups and become sensitized to the harsh realities of a world for many students who come from urban society.

The undergraduate students are involved in activities in the city of Bangalore wherein they provide assistance to Government Schools, orphanages, Old Age homes, homes for

the destitute, traffic education, eco consciousness and several others issues .The students of Commerce Sections were sent to 20 Government Schools on weekdays to take tuition classes for the school children which has helped not only the government school students with their studies, but has also allowed our students to become more disciplined, appreciative and organized in matters of their own education. The students of Humanities Section were sent to 12 major traffic signals of Bangalore city to spread ecological awareness and to help the police to ease the traffic congestion during the peak hours. They directed traffic and held placards with slogans that spread awareness on lane discipline, wearing a helmet and a ban on the use of cell phones while driving. The student's also assisted pedestrians and the differently abled on the crowded streets of the city.

The Physical Science students visited different Charity Homes on weekends like Orphanages, Old Age Homes and Homes for Destitute, HIV Positive children at Snehadan and cancer patients place at Karunayshraya.This has opened their eyes to the miseries and pains that the people of disadvantaged sections of our society suffer. The Natural Science students conducted several cleanliness drives in the Lalbagh Botanical Gardens in the city.

All these programs are monitored by the mentors and reports are submitted in the prescribed outreach diary to the director of the center. In the case of the post graduate students; a member of the faculty from the department accompanies them.

Thus the program organized by the Outreach Center at St. Joseph's college goes beyond the theoretical and encourages a hands-on, practical system of education. (413)

**Evidence of SuccessProvide evidence of success such as performance against targets and benchmarks, review results. What do these results indicate? Describe in about 200 words.**

The target was that all students who join the college must get a chance to work in such social settings. It had to be evaluated and feedback had to be collected for improvisation in the following year. Since all students have to maintain a diary it has been possible to assess the effectiveness of the program. The mentors and faculty members also are involved in this activity which has made it into a more organized and responsible work.

Assessment showed that work was done as planned.Tuition classes for 20 Government school children catered to about 700 students and childrenGraveyards. The Bangalore traffic police were satisfied with the help provided by the students in helping to direct traffic at major intersections at the heart of the city with banners to minimize traffic congestion at twelve major signals in the city. The green drive to help clean up 284 acres of Lalbagh was an attempt to rid it entirely of plastic wastes. Seven halfway homes catering to a mixed crowd of about 580 adults – male and female as well as children were visited and assisted by the students. The rural outreach program that successfully planted over 1500 saplings are perceived as useful and reachable. (203)

**Problems Encountered and Resources Required Please identify the problems encountered and resources required to implement the practice (in about 150 words).**

The Outreach Programme had to encounter a few challenges since its conception. Many students and parent expressed apprehension and so did the faculty members. With both the authorities and students after being explained of the safety and nature of work, there have so far been no major setbacks or problems. However, those helping the traffic police direct traffic have occasionally been questioned about their jurisdiction by motorists. Mobilizing the entire college is a challenge, and being sensitive to students' perceptions and problem during these activities requires more training. Transport facility for all

students has been a challenge as more than 100 students at a time are sent for the field. Finding time out of regular classes has been an effort. The resource required are available with the college and hence does not pose any serious problem. (108)

### **B. Title of the Practice: The Josephite Research Forum and Josephs Research Committee**

#### **What are the objectives / intended outcomes of this “best practice” and what are the underlying principles or concepts of this practice (in about 100 words)?**

The Josephs Research Committee was set up with the objective of promoting research among faculty and students by providing seed funding and framing policies conducive to pursue research. The Josephite Research Forum, an arm of the same has the specific objectives of engaging undergraduate students and faculty in discussions and discourse pertaining to questions in science and humanities and conceptualizing short term research projects that are interdisciplinary in nature. The forum calls for and funds student research proposals under the mentorship of faculty from all disciplines relevant to the project and aims at generating publications/project proposals by improving the quality of students’ term papers and generating enough data for a short publication/project proposal to a funding agency. (117)

#### **The Context: What were the contextual features or challenging issues that needed to be addressed in designing and implementing this practice (in about 150 words)?**

There was a need for formalizing research, initiate discussion such as the colloquium to share research ideas and to provide policy initiatives in research. The Josephite Research Forum is an initiative under the DBT Star College Scheme initiated in 2014-15 to encourage interdisciplinary research. The Departments of Biotechnology, Botany and Chemistry are currently under the DBT Star College scheme that aims to strengthen undergraduate education in these science departments. The need was felt of enriching research and teaching by making it multidisciplinary in nature which was inadequate in college thus bringing together faculty from both science and social sciences. The need was felt for involving interested students in carrying out small funded research projects whose research outcomes could be submitted as a term paper in the fifth semester, can be published or can be adapted for submitting for external research funding. (141)

#### **The Practice: Describe the practice and its uniqueness in the context of India higher education. What were the constraints / limitations, if any, faced (in about 400 words)?**

The research committee has been granted Rs50, 00,000 by the BJES and had invited research proposals from faculty. After evaluation, the accepted projects have been granted seed money. This funding has overcome to some extent the paucity of funds available to young researchers from external agencies. The researchers have presented their research findings in a colloquium. These projects are expected to propel young faculty to seek external funding later. The committee has also examined the different needs of faculty for pursuing research in college.

The Josephite Research Forum has the active participation of 15 faculty members and 20-30 students across different streams and years. One of the initial meetings of the forum involved faculty members briefly describing their research interests and potential areas of collaboration, which gave both students and other faculty members an idea about whom to approach for specific research queries. One or two student presentations on specific papers or research ideas are discussed in every meeting. No topic is out of bounds and

students are given the liberty to choose what they want to present. The format is very informal and questions are encouraged and appreciated. Active discussion is one of the hallmarks of most JRF meetings.

Project proposals are presented to the forum by the students and are screened by a panel of faculty members from across departments. Meritorious proposals are funded through the DBT Star college scheme.

Last year, 2015-16, thirteen student presented their proposals on topics including 'Building a remote control underwater drone with an inexpensive optical microscope', 'Sports performance enhancement through visual perception and pattern recognition', Microbial Degradation of Petroleum Hydrocarbon Contaminants, An analysis of ayurvedic anti-hepatitis medicines available in the Indian market, Determining the relative efficacy of the different methods used in the eradication of mosquito larvae etc. All students were tagged with faculty members from other departments, besides their term paper guides. Two projects were funded through the DBT grant. This year, 2016-17, seven projects have been shortlisted and second call for proposals is going out shortly. The forum hopes to be able to fund more projects this academic year.

The Josephite Research Forum, starting this semester, also hopes to have external experts to have discussions with the forum on an array of topics. Dr. Ashwin SaiNarain Sheshashayee from NCBS has consented to be the first speaker of this series. (391)

**Evidence of Success: Provide evidence of success such as performance against targets and benchmarks, review results. What do these results indicate? Describe in about 200 words.**

The response to the Joseph's Research Committee in terms of research proposals is encouraging and currently six projects have been accepted by the committee. Grants have already been disbursed and research colloquium witnessed the participations of both interested students and faculty.

Though Josephite Research Forum too is still in its infancy, there has been consistent active interest among faculty and students in discussing and having dialogue on a diverse array of subjects. More students attend these meetings compared to last year and there is an eagerness and willingness to present papers/ ideas. There is an increased awareness among students about pursuing academic research as a career.

Two projects that were funded last year are nearing completion. We also have presentations to assess progress in all projects and provide positive interventions if required. Informal student feedback tells us that students are benefiting from this platform to present their ideas, not only in terms of improving the quality of their research projects, but also in terms of dealing with inhibitions of speaking to an audience and improving their presentation skills and developing more interest in their academics. This program has resulted in the starting of a certificate course in research methods for sciences. All this is happening amidst tight academic schedules and interested members find time for this activity (217).

**Problems Encountered and Resources Required: Please identify the problems encountered and resources required to implement the practice (in about 150 words).**

The main problems that we have encountered in the functioning of the Joseph Research committee is the issue of time and lack of research skills among young teachers. Josephite Research Forum has not been able to generate interest among students of social sciences and humanities to be part of the forum, which has somehow been perceived as a 'science thing'. Faculty members from social sciences have shown some interest but are yet to involve in this.

Finding enough faculty members from across departments who can commit to mentoring and supervising these research projects has been difficult. Finding time slots that works for everyone is an ongoing challenge.

Research based work shop was conducted and a few more of this kind may be helpful to involve more teachers. Josephite research forum too proposes to organize sessions on literature review, writing a scientific proposal, basic research methodology etc. (147)

### Notes

**Optional. Please add any other information that may be relevant for adopting/ implementing the Best Practice in other institutions (in about 150 words).**

The college with its experience in organizing social extension trips such as the ones mentioned above learnt that these programs have to be well organized by a dedicated team as faculty find it difficult to organize them. It requires time and networking besides commitment from students who are willing to adapt this work. This means informing student's right at the time of admission is necessary. The COEs office along with the college calendar committee decides the dates for different classes so that everything goes of smoothly.

Both these activities have furthered the interest of the student and the institution and has opened up new ways of organizing activities of importance in college and the first one is highly inclusive in nature. The second initiative has focused on improving the academic rigor beyond the class room activities and has proved that students as stakeholders are interested in serious academics as well.

*Any additional information regarding Innovations and Best Practices, which the College would like to include.*

## C.EVALUATIVE REPORTS OF THE DEPARTMENTS

### 1. EVALUATIVE REPORT OF DEPARTMENT OF BIG DATA ANALYTICS

1. Name of the Department & its year of establishment: BIG DATA ANALYTICS, 2016

2. Names of Programmes / Courses offered PG: M.Sc. in Big data Analysis

3. Interdisciplinary courses and departments involved

Statistics, Mathematics, Computer Science and Economics

4. Annual/ semester/choice based credit system: Semester System

5. Participation of the department in the courses offered by other departments: No

6. Number of teaching posts sanctioned and filled

Sanctioned Filled - 1

Associate Professors-none Asst. Professors - 1

7. Faculty profile with name, qualification, designation, specialization,

Name	Qualification	Designation	Specialization	Students
Mr. Krishna Mouli	M. Tech	Assistant Professor	Data analytics	

8. Percentage of classes taken by temporary faculty – programme-wise information Nil

9. Programme-wise Student Teacher Ratio – 11:1

Question no 10-21: no response

22. Student profile course-wise:

Name of the Course	Applications received		Selected		Pass percentage
	Male	Female	Male	Female	
M.Sc. in Big data Analysis	300	100	22	10	

Question no 23- 26 –no response

27. Present details about infrastructural facilities

a) Library - Yes

b) Internet facilities for staff and students - Yes

c) Total number of class rooms - 1

d) Class rooms with ICT facility - 1

e) Students' laboratories - 1

f) Research laboratories - NIL

Questions 28-31 no response

32. Give details of student enrichment programmes with external experts.

Special Lecture by Dr. Bimal Roy, ISI Kolkata

33. List the teaching methods adopted by the faculty for different programmes.

Lecture notes, Presentations, software representation of each topic

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

Feedback from students taken. Discussions during departmental meetings.

35-. Highlight the participation of students and faculty in extension activities. NA

36. Give details – NA State whether the programme/ department is accredited/ graded by other agencies. Give details.

37. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

Strength: strong mathematics, computer science and economics department for support.

Large number of application in its first year itself.

Job opportunity in ITES industry

Weaknesses: fledgling department, inadequate infrastructure, competent faculty members with industry experience

Opportunities: to become a popular course in the country

Threat: fear of attrition of trained faculty and getting faculty

Future plans of the department. – Internship programme in ITES Industry, Starting of Master degree in cyber security.



## 2. EVALUATIVE REPORT OF DEPARTMENT OF BIOTECHNOLOGY

1. Name of the Department & its year of establishment: Biotechnology, 2002

2. Names of Programmes / Courses offered:UG,

B.Sc Chemistry, Botany, Biotechnology

B.Sc Chemistry, Zoology, Biotechnology

3. Interdisciplinary courses and departments involved

All programs offered are three major combinations and are interdisciplinary in nature

4. Annual/ semester/choice based credit system

Semester system

One CBCS paper is offered in the IV semester.

5. Participation of the department in the courses offered by other departments

Department supports departments of Chemistry, Botany and Zoology in the running of CBBT and CZBT courses

6. Number of teaching posts sanctioned

Professors none

Associate Professors none

Asst. Professors: Sanctioned - 3 Filled - 3

7. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	Teaching experience
Mr. Madappa MB	M.Sc, M.Phil	Asst. Professor, Dept. coordinator	Plant Phytochemical Analysis	11 years
Dr. Grace Prabhakar	PhD, CSIR NET, ASRB NET	Asst. Professor	Molecular Markers and marker assisted selection	9+2 years
Dr. Susan Mary Philip	PhD, CSIR NET, ASRB NET, postdoctoral experience	Asst. Professor	Plant molecular responses to biotic and abiotic stresses	5 years

8. Percentage of classes taken by temporary faculty – programme-wise information

- No temporary faculty member is employed.

9. Programme-wise Student Teacher Ratio

Year	Student: Teacher ratio for labs	Student: Teacher ratio for theory classes
I yr CBBT	19:1	26:1
II yr CBBT	14:1	21:1
III yr CBBT	11:1	18:1
I yr CZBT	19:1	26:1
II yr CZBT	17:1	21:1
III yr CZBT	16:1	18:1

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled  
1 lab attendant

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.

Name of Faculty member	Funding agency	Duration	Amount (INR)
Mr. Madappa M.B	UGC	2015-2018	2.4 lakhs
Dr. Grace Prabhakar	UGC	2014-2016	2.0 lakhs
Dr. Susan Mary Philip	UGC	2014-2016	1.5 lakhs

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received  
The Department is funded by DBT under the DBT Star College since 2014.

The Department has received INR 9.6 lakhs to date under the scheme

13. Research facility / centre with

- o state recognition
- o national recognition
- o international recognition

The department has a well-equipped research lab, where both faculty and student projects are conducted, but no accreditation has been applied for/granted to date.

14. Publications:

1. M.B.Madappa(2012) Preliminary phytochemical analysis of leaf of *Garcinia gummigutta* from Western Ghats. IOSR Journal of Pharmacy and Biological Sciences (IOSR-JPBS) Volume 4, Issue 1(Nov. – Dec. 2012), PP 17-27 [ISSN: 2278-3008](#).
2. M.B.Madappa (2015) RAPD Analysis Of Rapidly Multiplied In Vitro Plantlets of *Anthurium Andreanum Bicolour Var Agnihotri* IOSR Journal of Biotechnology and Biochemistry (IOSR-JBB) [ISSN: 2455-264X](#), Volume 1, Issue 3 (Mar. – Apr. 2015), PP 10-14
3. Grace Prabhakar(2015) Stability Analysis of Rice Root QTL-NILs and Pyramids for Root Morphology and Grain Yield. Selvi et al., J Rice Res 2015, [ISSN 2375-4338](#); 3:4 <http://dx.doi.org/10.4172/2375-4338.1000153>
4. Grace Sharon Arul Selvi(2015), Uday, G and Hittalmani, S., (2016), Root QTL-Pyramiding through Marker Assisted Selection for enhanced grain yield under low moisture stress in Rice. *J. Rice Res.*, 4(157), [ISSN 2375-4338](#)
5. Grace Sharon Arul Selvi, Uday, G and Shailaja Hittalmani, (2016), Identification of genes underlying the QTL regions in the QTL-NILs of IR64/ Azucena. *Intl. J. Of Agril. Sci. And Res.*, 6(4): 97-102.
6. Grace Sharon Arul Selvi, Uday, G and Shailaja Hittalmani, 2016, Identification of genes underlying the QTL regions in the QTL-NILs of IR64/ Azucena. *Intl. J. Of Agril. Sci. And Res.*, 6(4): 97-102. [ISSN 2250-0057](#)

Proceedings

Grace Prabhakar “Enhancing grain yield under stress and abiotic conditions in rice (*Oryza sativa* L.) via QTL pyramiding for shoot and root traits”. Proceedings of the National Conference on “Crop Improvement and Adaptive Strategies to meet Challenges of Climate Change

15. Details of patents and income generated: NIL

16. Areas of consultancy and income generated: 16,000 at offering research consultancy

17. Faculty recharging strategies –

Participation in workshops, seminars and conferences.

Madappa M.B : Board of studies member-Jyoti Nivas College-2012-2015.

Board of studies member-Parvathibhai Chowgle college, Goa-2014-2016

Dr . Grace Prabhakar- Board of studies member, Jyoti Nivas College-2015-2018.

Dr .Susan Mary Philip- Selection Committee to interview and select students for a government scheme to provide practical industrial training, the Biotechnology Practical Industrial Training Program (BITP) for M.Sc./M.Tech./B.E./B.Tech students, under the Department of Biotechnology and the Biotech Consortium India Limited.

Year	Name Of Faculty	Details Of The Seminars/Workshops/Conferences
2012	Dr.Grace Prabhakar	IAS lecture workshop on Plant Sciences, Christ university
2103	Madappa M.B	Attended National conference, Bioneers at Jain university, Bangalore
2013	Dr.Grace Prabhakar	Presented a paper at the National Conference on Crop Improvement and Adaptive Strategies to meet the challenges of Climate Change, University of Agricultural Sciences, GKVK, Bangalore, February 22 <sup>nd</sup> – 24 <sup>th</sup> , 2013.
2013	Dr.Susan Philip	Attended Bangalore BIO-2013, Asoka Hotel
2013	Dr.Susan Philip	MHRD Funded “VALUE Virtual Lab Workshop” at Amrita University, on August 14, 2013
2014	Dr.Susan Philip	Indian Academy of Sciences lecture workshop on “Recent advances

		in Biology”, Christ University, 31 <sup>st</sup> January and 1 <sup>st</sup> February, 2014
2014	Dr.Grace Prabhakar	Indian Academy of Sciences lecture workshop on “Recent advances in Biology”, Christ University, 31 <sup>st</sup> January and 1 <sup>st</sup> February, 2014
2014	Dr.Grace Prabhakar	Guest Speaker “Molecular Markers in Plant Biotechnology” at the 2-day UGC sponsored lecture workshop on “Techniques in Molecular Biotechnology and Bioinformatics” at Sree Siddaganga College of Arts, Science and Commerce for Women, Tumkur, Karnataka. 25 <sup>th</sup> August, 2015.
2014	Madappa M.B	Participated in the “International Conference on Entrepreneurial Development: Challenges and the role of teachers” at Jyoti Nivas College on the 16 <sup>th</sup> and 17 <sup>th</sup> of September, 2014
2014	Madappa M.B	Attended a one day workshop on “Governance in Jesuit Higher Education” at St. Joseph’s College of Commerce on November 14 <sup>th</sup> , 2014
2014	Madappa M.B	Attended the Science Genome Conference at the Nimhans Convention Centre on November 18 <sup>th</sup> , 2014.
2014	Dr.Grace Prabhakar	Attended the Science Genome Conference at the Nimhans Convention Centre on November 18 <sup>th</sup> , 2014.
2014	Dr. Susan Philip	Attended the Science Genome Conference at the Nimhans Convention Centre on November 18 <sup>th</sup> , 2014.
2015	Dr. Susan Philip,	Attended a one day seminar on Stem Cells and Regenerative Medicine, organized by the Society for Regenerative medicine and Tissue Engineering at the School of Regenerative Medicine (SORM), Manipal University, February 2015
2015	Dr. Susan Philip	Workshop on Choice Based Credit System on the 8 <sup>th</sup> of January, at the Jnanbaharthi Campus, Bangalore University.
2016	Dr.Grace Prabhakar	Attended the Science Academies’ Lecture Workshop on 'Recent Trends in Cellular Mechanisms and Gene Expression' organised by the Department of Botany, St. Joseph's College, Bengaluru, February 12-13, 2016
2016	Dr. Susan Philip	Attended the Science Academies’ Lecture Workshop on 'Recent Trends in Cellular Mechanisms and Gene Expression' organised by the Department of Botany, St. Joseph's College, Bengaluru, February 12-13, 2016
2016	Dr.Grace Prabhakar	Presented a paper at the “International Conference on Green Technologies for Sustainable Ecosystems and Trade Show”, Department of Botany, St. Joseph’s College (Autonomous), Bengaluru, 26 <sup>th</sup> -27 <sup>th</sup> February, 2016.
2016	Dr. Susan Philip	Presented a poster at the “International Conference on Green Technologies for Sustainable Ecosystems and Trade Show”, Department of Botany, St. Joseph’s College (Autonomous), Bengaluru, 26 <sup>th</sup> -27 <sup>th</sup> February, 2016.
2016	Dr. Susan Philip	STEM Teacher training workshop to develop Research based pedagogical tools, jointly organised by IISER Pune, DBT and the British Council on March 10-12, 2016, at IISER, Pune.
2016	Dr.Grace Prabhakar	Attended a one day “Hands on training technical workshop in In-vitro, In-silico Genome and Proteome Analysis, CMR Institute of Management Studies, 24 <sup>th</sup> March, 2016.
2016	Dr. Susan Philip	Science Academies’ lecture-workshop on ‘Emerging and re-emerging infectious diseases’ organised by the Department of Microbiology, St. Joseph's College, Bengaluru, September 16-17, 2016
2016	Dr.Grace	Attended Focus Group Meet on “Meaningful Pedagogy Practices in

	Prabhakar	the Biology Classroom” conducted by IndiaBioscience at Mount Carmel College, 30 <sup>th</sup> September, 2016.
2016	Dr. Susan Philip	Attended Focus Group Meet on “Meaningful Pedagogy Practices in the Biology Classroom” conducted by IndiaBioscience at Mount Carmel College, 30 <sup>th</sup> September, 2016.

19. Student projects

Percentage of students who have done in-house projects including inter-departmental -100%

Percentage of students doing projects in collaboration with industries / institutes -0.5%

20. Awards / recognitions received at the national and international level by

o Faculty

o Doctoral / post doctoral fellows

o Students NIL

21. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

No.	Title of Workshop/Seminar	Duration	
1.	“Emerging Trends in DNA Research”	3,4/32015	UGC Sponsored Seminar
2.	National level Bioinformation Collaborated With the department of Botany and Computer science.	19 /1/ 2012	College grants
3.	Science academy lecture workshop	12/1/2017	Indian Academy of Sciences

22. Student profile course-wise:

Name of the Course	Year	Total Applications	Applications (Male)	Applications (Female)	Admitted	Pass Percentage
BSc.CBBT	2009-12	NA	NA	NA	30	67%
	2010-13	NA	NA	NA	25	56%
	2011-14	NA	NA	NA	39	87%
	2012-15	36	26	10	31	49%
	2013-16	25	16	9	21	33%
	2014-17	54	29	25	23	73%
	2015-18	66	31	35	29	50% (I year result)
	2016-19	86	30	56	29	Awaiting results
BSc.CZBT	2013-16	34	15	19	27	44%
	2014-17	106	21	85	31	74%
	2015-18	163	56	107	34	60%(Iyear result)
	2016-19	235	66	169	50	Awaiting results

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

Monica Sweta Bosco was awarded the UGC Postgraduate Merit scholarship for University rank holders to do Masters.

Defence-1,Sandeep Yadav-Indian Air Force

25. Student progression

UG to PG: 44%

Employed Campus selection 2015-3%

25. Diversity of staff

Percentage of faculty who are graduates of the same parent university---33.33%

From other universities within the State – 66.67%

From other universities from other States -NIL

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.  
ONE

27. Present details about infrastructural facilities

a) Library – Departmental library-250 books

b) Internet facilities for staff and students – 4 computers with LAN, Wi-Fi-enabled  
Bioinformatics Lab

c) Total number of class rooms – 3 rooms

d) Class rooms with ICT facility -3 rooms

e) Students' laboratories – 2 laboratories

f) Research laboratories -1 laboratory

Number of students of the department getting financial assistance from College

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology -Yes, student feedback, survey of colleges and courses in Bangalore

30. Does the department obtain feedback from

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it? Yes, Board of Studies, Curriculum is drawn as per consensus during BoS, question paper patterns are also approved by the BoS.

b. students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same? Yes, Student evaluation. The department improvises in areas shown wanting in the report, as well as mentoring is resorted to.

c. alumni and employers on the programmes and what is the response of the department to the same? Yes, BoS constitution has a representative of the alumni, an employer apart from the academicians.

31. List the distinguished alumni of the department

- Ms.Puspa Sharma- Ministry of Agriculture and Forests, Bhutan
- Ms.Komal Machaiah- Ministry of Foreign Affairs, Denmark
- Ms.Shruthi Naidu-Quality Assurance Officer at BAL Pharma Ltd
- Mr.Suman Chakrabarty- Research Assistant University of Nebraska-Lincoln Department of Chemistry
- Mr.Shane Rydquist--Associate Editor at Cactus Communications, Mumbai.
- Mr.Thamz Pranab-Genetic Research Analyst at HistoGenetics India Pvt Ltd
- Ms. Nishitha Giri –Research analyst at Ecolab, Australia

31. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

GUEST FACULTY INVITED				
2014	Dr. Justin. V. McCarthy,	Director of Biotechnology	University College, Cork, Ireland	Transgenic Animals and the future of
2014	Dr. Debra Bevitt	Deputy Head, Medical Sciences	University of New Castle,	Viral Genomes
2014	Dr. Steve Barton	Proffesor,Kingston College, London	Kingston College, London	Pharmaceutical analysis using capillary and gel electrophoresis

2014	Dr. Ravi C. Nayar	Dean, Centre for Academic Research and Consultant Otolaryngologist	HCG Hospitals (Health care global) Pvt. Ltd	Basic Sciences and Medicine
2015	Dr. ramamohan G.	Regulatory and Scientific affairs lead	Monsanto India	GM Crops: Technology, Opportunities and Challenges
2015	Prof. John Kirby	Head of the Applied Immunology and Transplantation research group	Newcastle University UK	Basic Mechanisms and Clinical Applications in Immunology
2015	Dr. Vishnu Janardhan	Doctoral Student, IISc	MRDG, IISc	Antibodies as research tools
2015	Ms. Anisha Zaveri	Doctoral Student, IISc	MRDG, IISc	Techniques for examining DNA- Protein interactions
2015	Nikhil G Bharambe	Doctoral Student, IISc	IISc	Overview of macromolecular crystallography from protein crystal to electron density
2015	Mr. Kiran R Bettadapur	Doctoral Student, IISc	MBU, IISc	NMR: Key fundamentals and applications
2016	Mr. Sushanth Poddar	Doctoral Student, IISc	IISc	Molecular cloning and PCR - applications in industry, agriculture and medicine
2016	Mr. Pradeep B	Doctoral Student, IISc	IISc	Single molecule identification microscopy special ref to confocal/AFM
2016	Mr. Ajay Cadambi	Formerly Doctoral student	MRDG, IISc	Mass spectroscopy MALDI/SELDI, LCMS application to biomolecules

33. List the teaching methods adopted by the faculty for different programmes.

Conventional classroom teaching aided by ICT.

Group discussion

Problem solving concepts

Virtual labs

35. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

The department receives regular feedback from the students regarding new teaching methodologies. In addition, mock tests, viva-voce is routinely conducted to measure the learning outcomes. Referring to the UGC prescribed curriculum for the biotechnology course, referring to international university curricula, analyzing feedback from students who have undergone internships in industry.

35. Highlight the participation of students and faculty in extension activities.

The students undertake 3 social work activities per year in addition to three weeks of village stay and related social work. The students were taken to Lalbagh during the flower show to create awareness about cleanliness in the neighbourhood. The boys were engaged

in spreading awareness about obeying traffic rules. The students were also taken to lakes to spread awareness to the localites about keeping the lakes clean and preserving them  
36. Give details beyond syllabus scholarly activities” of the department of the department

The departments has 46 students enrolled for the curricular programme, an online portal for them to interact with experts. The students engage in Tackle fest, a one day extension programme where high school students are brought in by an NGO and students are given an exposure of the joys of learning science through small, scientific experiments. The students are also encouraged to participate in representation, competition, seminars conferences and awareness. Empty Tea bags were ignited following which they started to fly: explaining gravity/ density etc. Fresh water aquaculture, using pearls, fish etc were also demonstrated. Specimen organs were dissected and displayed. Models of cell structure, bacteriophages etc were also displayed.

Nishanth, Srisha, Gokul Kumar, Edward Patrick, Sugumar, Sanchia Christine Charles, AkshithaPonnamma, Pavitra, Zubaid (2012-13)Participated in the 3<sup>rd</sup> International Conference on Food Technology at IICPT, Thanjavur,.

Husain M (2013-14)Summer research project “Speciation, adaptation and morphological diversification; Evolution and genetics of butterfly wing patterns” at NCBS, Bengaluru.

Gokul Kumar and Edward Partrick(2013-14) Presented a paper titled ‘Evaluation of soil containing Tea powder wastes vermicomposted by using Eudriluseugeniae’

Husain M(2013-14)Presented a paper titled ‘Evaluation of soil containing Tea powder wastes vermicomposted by using Eudriluseugeniae’

Husain M(2013-14)Represented the department in a panel discussion on dog menace in Bangalore **at the TV9 news channel.**

1. Vishakha B.N, Mahesh VR, Oneil Arul Nathan, Rajesh V, Sushmitha HS, Karthik H and Joe Prem Briyand(2014-15)Presented papers during the ‘National Conference on Biological Advances and its relevance to the environment” on the 2nd and 3rd of September, 2014, at National Science College, Bengaluru.
2. Sneha S, Adrian D’Costa, Rajesh V(2014-15)Attended the workshop on Flourseence microscopy at Dr. H. Krishna Murthy’s lab at the National Centre for Biological Sciences, TIFR, Bengaluru.
3. Rajesh V, Kauser Begum, Adrian Da’Costa, SnehaMondal, Rahul Das, Mahalakshmi D, VeenaSalomi, Dinesh Rubban, Parinisha L, Nidhi Rani Lokesh(2014-15) Attended a one day seminar on Stem Cells and Regenerative Medicine, organized by the Society for Regenerative medicine and Tissue Engineering at the School of Regenerative Medicine (SORM), Manipal University.
4. Accamma K S and Kausar Begam (2014-15) Participated in the State Inter group competition, NCC.
5. Tejas Rao, Karan Dubey, Nidhi Rani Lokesh, Sanjay S, Syed Ismail(2015-16)interned at KCRE (Kalinga Centre For Rain Forest Ecology).
6. Internships-15 students interned at HCG hospitals –year 2013-14
7. Collaborated with Biopractice Pvt. Ltd. for training.
8. Industrial visit- Visited TATA tea factory, Kodagu as part of the Industrial visit.
9. Industrial visit to DFRL, Defence food research laboratory, Mysore.
10. Industrial visit to Drosophila stock lab, Mysore University.
11. Visit to probiosis lab and BT finishing school.

12. Visited Heritage winery.
13. Chanapatana toy factory
14. Krishi Mela Interaction with farmers at GKVK (Agricultural college) Bangalore.
15. Reunion of the department alumini is conducted once in two years facilitated by the GGG: Green Gene Guild, the department's association.
16. Complete data base of current work positions of old students from the department of biotechnology.
17. Collaborations with HCG Hospitals, Collaborated with Genelon Pvt. Ltd. , Biopractice Pvt. Ltd.
- Probiosis Lab Pvt. , Labland Mysore , HPLC by Biopractice solutions Pvt. Ltd for student projects.
36. State whether the programme/ department is accredited/ graded by other agencies. Give details.

The Department is supported by DBT for the strengthening of UG education under the STAR College Scheme.

37. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

Strengths:

1. Awarded the grant of 12 ,00,000 from DBT STAR college scheme .
2. UGC Minor projects awarded 2015. All the staff in the department have a minor project each
3. Bioinformatics Entrepreneurship is compulsory papers in the syllabus.
4. Two certificate programmes with good student enrolment.
5. Competitive Biotechnology syllabus with the practical curriculum oriented towards research.
6. Well-furnished Under-graduate labs to assist practical classes. Research labs to support Plant tissue culture, Phytochemistry, Microbiology and Molecular Research. The department houses a mushroom cultivation unit.

Weaknesses:

1. Only undergraduate programme.
2. Major grants not yet received.
3. Minimal research activity owing to the workload.
4. 3 staff and 170 students, Staff to student ratio is 1:56.
5. Special papers in Animal biotechnology and immunology need trained faculty.

Opportunities:

1. Enter into collaborative agreements for postgraduate teaching.
2. Collaborative research.
3. Tie-ups with NGOs for extension activities.
4. Industry partnerships for internships of existing students.
5. Publish Papers at UG level.

Challenges:

- 1) Job descriptions lack time for research. Hence won't be able to do standard research.
- 2) Dropout rates in students.
- 3) Funds availability.
- 4) Same courses offered by international standard universities in Bangalore (NCBS and IISC)
- 5) Lack of upgradation to technology innovations.

39. Future plans of the department.

1. Applied for the Kbits Karnataka Biotechnology incubation programme to start a collaborative PG level training institute.
2. Start MSc. Masters programme in Biotechnology. Develop syllabus for PG Biotechnology.
3. Stronger research plans and labs
4. Training programme initiations in the department.
5. Tie up with industries

40. Innovations introduced during this academic year which have created a positive impact on the functioning of the Department. Give details.

1. Industrial mentor programme with collaboration from Curricooler.
2. Compulsory project based practical in the final year.



3. Compulsory industrial tours have been implemented in the curriculum..
  4. The alumni database of Biotechnology has proven that our student continue to pursue Masters programmes and many have enrolled into PhD programmes .
41. Give the Best Practices of the department
1. Certificate Course offered by the Department: Certificate course in Plant biotechnology is being offered from the department by Mr. Madappa M.B
  2. Peer teaching is conducted by students who are bright with consultation from teachers.
  3. Academic and non-academic competitions are organized by the department.
  4. Reunion of the department alumini is conducted once in two years.

### 3. EVALUATIVE REPORT OF DEPARTMENT OF BOTANY

1. Name of the Department & its year of establishment

Botany- 1954, PG course-1986

2. Names of Programmes/Courses offered

UG courses (CBZ, CEB, MCB, CBBt.); M.Sc. Botany, Ph.D. Programmes

3. Interdisciplinary courses and departments involved

Certificate Course on research based learning jointly conducted by Botany, Chemistry and Biotech departments and Josephite Research Forum (JRF) both these programs are sponsored by DBT.

4. Annual/ semester/choice based credit system

Semester and choice based credit system

5. Participation of the department in the courses offered by other departments

Our students participate in choice based credit system (CBCS) conducted by other departments. Staff members are resource persons in academic activities of other departments.

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)

10 aided (Associate Professors) 05 unaided (Assistant Professors)

7. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

	Name of the faculty	Qualification	Designation	Specialization	years	PhD 2012-16
1.	Dr. Betty Bagyam Daniel	MSc, M.Phil, Ph.D	HOD	Botany	30	
2.	Dr. Purushothama .K.B	MSc, M.Phil, Ph.D	PG Co-coordinator	Botany	28	01
3.	Dr. Prema Gunaseeli	MSc Ph.D.	Asso Prof	Botany	29	-
4.	Dr.Bopiah .A.K	MSc Ph.D.	Asso Prof	Botany	29	02
5.	Dr. Divakar K.M	MSc Ph.D.	Asso Prof	Botany	29	02
6.	Dr. Jacob N.Abraham	MSc Ph.D.	Asso Prof	Botany	29	-
7.	Dr.Jacob Paul V.J	MSc, M.Phil, M.Ed, Ph.D.	Asso Prof	Botany	27	-
8.	Dr. JayaramA Reddy	MSc, DCA, PGDHE, Ph.D	Asso Prof	Botany	26	01
9.	DrS.Rajamani	MSc, M.Phil,Ph.D.	Asso Prof	Botany	26	-
10.	Dr. U.Vijayakumari	MSc M.Phil Ph.D.	Asso Prof	Botany	26	-
11.	Ms.Poonam R.Ahuja	MSc. NET	Asst Prof	Botany	3	-
12.	Dr. Vaishnavi.M	MSc,Ph.D.	Asst Prof	Botany	5.0	-
13.	Ms.Grace Leena Crasta	MSc, KSET	Asst Prof	Botany	2.0	-
14.	Ms.Rini Annie Joseph	MSc	Lecturer	Botany	2.0	-
15.	Ms. Martin Paul	MSc	AsstProf	Botany	1	-
16.	NAME OF RETIRED FACULTY					
17.	Dr. N. Tamihzeran					
18.	Dr. Nayeem Ullah Khan					

8. Percentage of classes taken by temporary faculty – programme-wise information

No temporary faculty

9. Programme-wise Student Teacher Ratio

(2016-17)

UG- 24:1

PG-4:1

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled

Supporting staff total =4 (lab attenders) (3 -UG and 1- PG)

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.

Major Research Projects Completed during 2012- 2016

S. N.	Name	Subject	Amount (In Rs.)	Year (Grant Received)	Funding Agency
1.	Dr. Nayeem Ullah Khan (retired)	Botany	7,87,800	22-06-2011	UGC

Ongoing Minor Research Projects: 2012- 2016

S.No.	Name	Subject	Amount	Year (Grant Received)	Funding Agency
1.	Dr. Betty Daniel	Botany	95,000	15-02-2014	UGC
2.	Dr. Jacob Paul	Botany	76,000	15-02-2014	UGC
3.	Dr. K. M. Divakar	Botany	1,10,000	15-02-2014	UGC

Minor Research Projects Completed during 2012- 2016

S.N.	Name	Subject	Amount	Year (Grant Received)	Funding Agency
1.	Dr. Jacob N. Abraham	Botany	48,000	27-01-2010	UGC
2.	Dr. Jayarama Reddy	Botany	1,00,000	29-03-2013	UGC

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received  
College has received the following amount under College for Excellence (CE) grants

Non-recurring	110 lakhs
Recurring	60 lakhs

13. Research facility / centre with state recognition, o national recognition , international recognition

Our research centre is recognized by Bangalore University. Bangalore (till 2019 for PhD programme)

14. Publications:

- Jayarama Reddy, L. ManjunathaRao and M. N. Nachappa: 2012. A study on multimodal biometric systems and taxonomic identification of plant species: International Journal of Advanced Computer and Mathematical Sciences. ISSN 2230-9624. Vol 3, Issue 2, 2012, pp 250-256.
- Jayarama Reddy, T V Ranganathan, M N Nachappa, Arjun. HS, Nitin. A, Shashank. B, K. Kannan, H. Bijlani, S. Prasad and J Hemachandran. 2013. Biological data bank (BDB) - a new database: Its organization and implementation. Int. J. Fundamental Applied Sci, ISSN: 2278- 1404, Vol. 2, http://bma.org.in/ijfas.aspx No. 1 (2013) 16-19.
- Jayarama Reddy and Nayeem Ullah Khan. 2013. Carpet Sampling Technique: A New Method of Sampling. International Journal of Statistics and Analysis. ISSN 2248-9959 Volume 3, Number 1 (2013), pp. 21-31.
- Sindagi, A and Jayarama Reddy. 2013. Bioremediation of Chromium in Pulp and Paper Processing Industrial Effluents by Indigenous Microbes. Journal of Bioremediation and Biodegradation. ISSN : 2155- 6199, Vol.3. Issue.12:pp.1-7
- Jayarama Reddy: 2014: "A survey on the prevalence of vitiligo in Bangalore city, India". International Journal of Pharma, Medicine and Biological Sciences. ISSN – 2278- 5221, Vol. 3, No. 1. pp. 1-14.
- Jayarama reddy and Jeldi Hemachandran: 2014: "Comparative evaluation of the antidiabetic and hypoglycaemic potentials of the partsMusa paradisiacaplant extracts". International Journal of Fundamental And Applied Sciences. ISSN: 2278-1404, Vol. 3 Issue. 4. pp.1-8.

7. Biradar N.V, Ambarish S. Sindagi, Bellad A. S, Jayarama Reddy, Ravi Navalur, ShivarajNaykar, Mathews P. Raj, Sadashiv S. O., Chandrashekhar Unakal:2014: "Assessment of physico-chemical and microbiological parameters of Kotur Lake, Dharwad, Karnataka, India".*Int.J.Curr.Microbiol.App.Sci*(2014) 3(2): 88-96 [ISSN: 2319-7706](#).
8. Jayarama Reddy, Ranganathan.T.V and Jeldi Hemachandran: 2014.A Study on Phytochemical Analysis and Antioxidant Potentials of Plants Used in the Treatment of Vitiligo; *European Journal of Biomedical and Pharmaceutical Sciences*. [ISSN: 2349- 8870](#), Vol-1. Issue-3; 471-479.
9. Jayarama Reddy and Nitin Ravikanthachari: 2015. Effect of induced environmental stress on the butterfly *Catopsiliapomona pomona* Fabricius 1775 : *International Journal of Science and Research (IJSR)*. [ISSN: 2319-7064](#), Vol-4: Issue-6.
10. Jayarama Reddy Mathew Raj and Anitha Abraham: 2015. Effect of polluted water on *Danio rerio* as a vertebrate model: A case study of Iblur lake, Bangalore, India. *South Asian Journal of Experimental Biology*. [ISSN: 2230-9799](#), Vol.5.Issue2. 48-54.
11. Jayarama Reddy. (2016). In Vitro Organogenesis and Micropropagation of The Orchid Hybrid, *Cattleya Naomi Kerns*. *European Journal of Biomedical and Pharmaceutical Sciences*. Volume 3, Issue 9 [ISSN 2349-8870](#)
12. Jayarama Reddy. (2016). Nutrient Media Used For Micropropagation of Orchids: A Research Review . *World Journal of Pharmaceutical Research* Volume 5, Issue 9, 1719-1732. DOI: 10.20959/wjpr20169-7036 [ISSN 2277– 7105](#)
13. Jayarama Reddy. (2016). Micropropagation of *Dendrobium Queen Sonia* from Leaf Explants *International Research Journal of Natural and Applied Sciences* Vol. 3, Issue 8, August 2016 [ISSN: 2349-4077](#). 7105 pp. 220-228
14. Jayarama Reddy. (2016). Observations And Studies On The Intelligence Of Plants,. *World Journal of Pharmaceutical Research* Volume 5, Issue 10, 1719-1732. DOI: 10.20959/wjpr20169-7036 [ISSN 2277– 7105](#)
15. Afreen.H.B, Divyaratna.C.M, Hoovappa.S.B, Hemalatha.C.N, Keerti. S. C Ambarish. S.S, Anmol.G.K and Jayarama Reddy.2013 Antibacterial Potential of Some Medicinal Plants against Human Pathogens.*International Journal of Biological research*. [ISSN-2321-0524](#). Volume-1.Issue-2.pp. 1-10
16. Niranjana Vidya, Jayarama Reddy, Suchithra V, Pooja R, and Amshumala S. 2016.Role of informatics in bioremediation–A biological solution to environmental issues. *International Journal of Biological research*. [ISSN-2321-0524](#). Volume-6.Issue-7.pp. 1-9
17. Vanitha NM, Jayarama Reddy and Ranganathan T.V.2016, Development of Dengue Database By Using Bioinformatics Tools and Techniques. *Int J Recent Sci Res*. 7(11), pp. 14384-14389 [ISSN 0976-3031](#)
18. H Pushpa and K B Purushothama, Biodiversity of Mushrooms in and around Bangalore (Karnataka), India. *American- Eurasian J. Agric. & Environ. Sci.*, 2012.[ISSN: 1818- 6769](#), 12(6): 750-759.
19. Pushpa, H. and Purushothama, K. B. *Psathyrella candolleana* var. *indica*, a new variety from Karnataka, India. *International journal of biological science*, 2013. [ISSN: 1449-2288](#), vol. 1 (1): 1-6.
20. Jyothsna B. S. and Purushothama K. B. Seed germination studies on *Calanthes masuca* (D.Don) Lindl. using mycorrhizal fungi. *International Journal of current Science*, 2013, [eISSN: 2250-1770](#), 5(6) : 1614-1616.
21. Jyothsna B. S. and Purushothama K. B. *Psathyrella candolleana* (Fr.) Maire, a saprophytic fungus forming orchid mycorrhiza in *Satyrium nepalense* D.Don in India. 2014. *Canadian Journal of Pure and Applied Sciences* 8(1): Feb. 2014 issue. [ISSN 1715-9997](#)
22. Sr. Sagaya Mary B. and Divakar K.M. In vitro Seed germination studies and flowering in micropropagated plants of *Dendrobium ovatum* Lindl, 2015. *Journal of Biotechnology and Biochemistry* 1(3): 04 – 09. [ISSN: 2455-264X](#)
23. Sr. Sagaya Mary B. and Divakar K.M. In vitro micropropagation of *Dendrobium crepidatum* Lindl. using fruit capsule. 2015. *International Journal of Engineering Development and Research* 3(4): 212 - 216. [ISSN: 2321-9939](#).

24. Sr. Sagaya Mary B. and Divakar K.M. In vitro seed germination and callus formation of *Dendrobium macrostachyum*, 2015. International Journal of Scientific and Engineering Research. 4(9):1633 – 1636. [ISSN 2229-5518](#)
25. Sr. Sagaya Mary B. and Divakar K.M. In vitro micropropagation of *Dendrobium peguanum* Lindl. – The smallest orchids of Western Ghats of Karnataka, 2015. International Journal of Science, Engineering and Technology Research. 4(10):3460 – 3465. [ISSN: 2278-0181](#)
26. Sr. Sagaya Mary B. and Divakar K.M. In vitro propagation of *Phaius luridus* Thwaites – A terrestrial and Endemic Orchids of Western Ghats, 2015. International Journal of Scientific Research in Science, Engineering and Technology. 1(5): 356 – 359. Print [ISSN : 2395-1990](#) | Online [ISSN : 2394-4099](#)
27. Sr. Sagaya Mary B. and Divakar K.M. In vitro propagation of Epiphytic orchid *Pholidota Imbricata* Hook. Of Western Ghats, 2015. International Journal of Engineering Research and Technology. 4(10):107 – 111. [e-ISSN: 2278-0181](#)
28. Sr. Sagaya Mary B. and Divakar K.M. In vitro seed germination of *Xenikophyton smeeanum* (Rchb.f.) Garay: A rare orchid of Western Ghats, Karnataka, 2015. International Research Journal of Engineering and Technology 2(7): 280 – 284. [e-ISSN: 2395-0056](#).
29. Sr. Sagaya Mary B. and Divakar K.M. In vitro micropropagation of *Dendrobium herbaceum* Lindl. from Leaf Explants, 2015. International Journal of Advance Research 3(10): 01 – 04. [ISSN: 2320-916X](#).
30. Sr. Sagaya Mary B. and Divakar K.M. Micropropagation Of *Dendrobium barbatulum* Lindl. From Axillary Buds ,International journal of multidisciplinary and current research Available at <http://ijmcr.com> [ISSN :2321-3124](#) 2.021
31. Sr. Sagaya Mary B. and Divakar K.M. In Vitro Propagation Of *Epidendrum radicans* Of Western Ghats. International Journal of Advanced Research March- 2016 5.336 [ISSN 2320-5407](#)
32. Sr. Sagaya Mary B. and Divakar K.M. In Vitro Propagation Of *Dendrobium jerdonianum* Wight Through Flower Stalk, Leaf, Nodes/ Internodes As Explants American Journal Of Life Sciences June- 2016.4(3): 76-81 [ISSN: 2328-5702](#)(Print). 5.6
33. Jane subha ,S and Divakar K.M Comparative pharmacological and phytochemical screening of the fruits of *Terminalia chebula* retz,IOSR journal of pharmacy and biological sciences ( IOSR-JPBS)e-ISSN:2278-3008, p-ISSN:2319-7676. Volume 11, Issue 1Ver. IV ( jan – feb 2016 ) PP 01-04. 1.519
34. Jane subha ,S and Divakar K.M ,GC-MS analysis to study the phytoconstituents of methanolic extract of *Terminalia chebula* retz. Fruits International Journal of Innovative Pharmaceutical Sciences and Research Jane subha et.al/IJIPSR/ 4(1), 2016, 53-61 [ISSN 2347-2154](#) 2.6095
35. Madappa M.B, A.K.Bopaiah, Preliminary phytochemical analysis of leaf of *Garcinia gummigutta* from Western Ghats, IOSR Journal of Pharmacy and Biological Sciences (IOSR-JPBS) [ISSN: 2278-3008](#). Volume 4, Issue 1(Nov. – Dec. 2012), PP 17-27.
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37. Gautama Reddy K.V, Betty Daniel, Meher Master Moos, Purushothama K B, Thamizhseran N, Isolation of *Penicillium marneffeii* from the mango fruit of Walking Mango Tree, 2013, Indian J.L. Sci : 47-53. [ISSN:2277-1743\(print\)](#)
38. K. Haridasan , N.S Bisht , Martin Paul and Geetha Suresh Observations on the flora of Dampa tiger reserve in bio -resource and park management perspective Indian Forester : Vol.142(4):317-323, 2016. [ISSN: 2321-094X](#)
15. Details of patents and income generated :1  
 1.A simple method to control water hyacinth (*Eichornniacrassipes*), a common aquatic weed: (Patent No. 145/CHE/2013);  
 For details visit: <http://ipindiaonline.gov.in/patentsearch/search2>.A combined single method of controlling arsenic levels in environment and extraction of gold using a common aquatic plant,

Eichhorniacrassipes (Martius) Solms-Laubach (Pontederiaceae): (Patent No. 144/CHE/2013);  
For details visit: <http://ipindiaonline.gov.in/patentsearch/search>

The income generated is NIL

16. Areas of consultancy and income generated: NIL

17. Faculty recharging strategies

Regular departmental meeting on research activities among staff are held. The other strategies are presenting papers at various forums, organizing conferences, academic meetings; attending seminars and workshops. Staffs have attended staff enrichment programmes, JESCOL programmes.

19. Student projects

- percentage of students who have done in-house projects including inter-departmental
- percentage of students doing projects in collaboration with industries / institutes

Term papers	Students number
2014	15%
2015	20%
2016	15%

20. Awards / recognitions received at the national and international level by

a. Faculty: Dr. Jayaram Reddy Eminent scientist award- (by The National Environmental Science Academy (NESA, New Delhi)

b. Doctoral / post doctoral fellows

c. Students

21. Seminars/ Conferences/Workshops organized and the source of funding (National / International) with details of outstanding participants, if any.

Seminars & Workshops 2012-2016

S. No	SEMINARS/WORKSHOPS/CONFERENCES Organized (International/National/State Level)	Year	Source of Funding
1.	lecture workshop on "Recent trends in cellular mechanism and gene expression"	2015-2016	Indian Academy of Sciences
2.	International conference on green technologies for sustainable ecosystems and trade show.	2015-16	UGC
3.	Workshop on Bioinformatics and Drug designing.	2011-12	UGC
4.	Academies lecture workshop on plant taxonomy & Biodiversity, The National Academy of Sciences Allahabad Indian National Science Academy , New Delhi	2014-15	Indian Academy of Sciences Bangalore

22. Student profile course-wise:

Name of the course	Year	Total applications	Applications (male)	Applications (female)	Admitted
CBZ	2014-2015	120	43	77	56 (27M+29F)
	2015-2016	170	54	116	60 (17M+43F)
	2016-2017	195	69	125	73 ( 30M + 43F)
CEB	2014-2015	24	10	14	14 (6M+8F)
	2015-2016	26	12	14	12 (8M+4F)
	2016-2017	53	25	28	20 (10M+10F)
MCB	2014-	45	16	29	24 (9M+15F)

	2015				
	2015-2016	54	09	45	25 (5M+20F)
	2016-2017	47	16	31	19 (4M+15F)
CBBT	2014-2015	54	29	25	28 (14M+14F)
	2015-2016	68	31	35	32 (18M+14F)
	2016-2017	86	30	56	29 (10M+ 19F)

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

NET-2013-1, 2015-1

24. Student progression

Student progression	Percentage against enrolled
UG to PG	15%
PG to M.Phil.	Approximately 2%
Ph.D. to Post-Doctoral	2-3%
Employed Campus selection	none
Employed Other than campus recruitment	Approx. 20% (Industry) 65% (Teaching and Others)
Entrepreneurs	Data not available

25. Diversity of staff: Staff who have joined the department from 2012-2016

Percentage of faculty who are graduates of the same parent university	6
Percentage of faculty who are graduates from other universities within the State	5
Percentage of faculty who are graduates from other universities from other States	4

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.  
None

27. Present details about infrastructural facilities

a) Library: Common Library one for UG and one for PG

b) Internet facilities for staff and students: Available

c) Total number of class rooms -14

d) Class rooms with ICT facility: all classes

e) Students' laboratories

UG: 3Labs and PG 5 Labs

f) Research laboratories: 3

g) Number of students of the department getting financial assistance from College.

Information not available with the department

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology: No

30. Does the department obtain feedback form?

Yes – the college takes the evaluation and it is sent to the department

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

Yes. Board of studies (BOS) meeting is conducted and the suggestions are incorporated in our curriculum.

b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

Yes

c. Alumni and employers on the programmes and what is the response of the department to the same?

In BOS, one alumni is included and their feedback is incorporated.

31. List the distinguished alumni of the department (maximum 10)

1. Mr.Guru Prasad-Scientific Director- Durga Femto Technologies and Research
2. Ms.Yadugiri- research scholar at NCBS
3. Ms. Joanna Chiang- Phd- Scholar at Max Plank University, Germany
4. Dr. Veena Anil- Reader department of biotechnology- University of Agricultural Science (UAS)
5. Dr.Cherian Alexander- HOD department of English
6. Dr. Balaji- Phd From Scotland, presently working in India
7. Ms.Mishma Sylvia-Phd in Japan

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

Date	Speaker	Designation	Title
12/2/2016	Dr. K.M Mathew	Department of membrane biophysics, NCBS, TIFR, bangalore	“Recent trends in cellular mechanism and gene expression” in association with Indian Academy of Sciences Bangalore
12/2/2016	Dr. Rajalakshmi Gope	Professor and Head, Dept. of Human Genetics, NIMHANS,	Dysregulated gene expression through post-translational modifications in human brain tumors”.
12/2/2016	Prof. Bharathi P Salimath	Dept. of Biotechnology, Mysore University	Regulation of gene expression in tumor angiogenesis”.
13/2/2016	Dr. Malali Gowda	IISc, Next Gen. Genomics, NCBS, GKVK Campus, Bangalore	Dissecting cellular and phenotypic environment through metagenomics”.
13/2/2016	Dr. Nandeesh P	Scientist, Dept. of Biotechnology, IIHR, Bengaluru	“Heterogenous gene expression in crop plants”.
12/09/2014	Dr. Sundararajan	Dean of Research, Jain University, Bangalore.	‘Systems of Plant Classification of Ancient India’ Academies lecture
13/09/2014	Dr. Umashankar,	UAS Bangalore	‘Molecular Plant Taxonomy’
13/09/2014	Dr. K.R. Shivanna	Former Professor and Head, Department of Botany, Delhi University,	‘Reproductive Biology and Conservation of Plant Diversity’
12/09/2014	Dr. R.R. Rao,	Former Director CIMAP & ex director BSI, Kolkata	‘Role of Ethnobotany in Search of newer drug plants And conservation of Biological Diversity (some Concerns and issues)
12/09/2014	Dr. M. Sanjappa	Former Director BSI, Kolkata	‘Botanical Nomenclature’

33. List the teaching methods adopted by the faculty for different programmes.

Quiz, field-trips, industrial visits, research based learning, projects, laboratory visits etc

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

The results of various programmes and methodologies are analysed and assessed and the pros and cons are discussed and extra attention is carried out to the students who are slow learners and mock tests and analytical thinking based questions are put forward for a better learning environment.

35. Highlight the participation of students and faculty in extension activities.



Service based surveys or projects are carried out, where we can give back to the society by educating them regarding certain diseases, its prevention etc. students take part in the outreach programmes conducted by college.

36. State whether the programme/ department is accredited/ graded by other agencies. Give details. NA

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

SWOC Analysis – Department of Botany

#### STRENGTHS

1. Department conducts certificate courses in Bioinformatics.
2. Staff members offer their academic expertise being members of BOS, BOE
3. Staff members are recognised guides of Bangalore University, MAHE, Manipal and Bharthiar University.
4. Department has published 43 research papers during 2010-2016
5. Department Publishes an online journal named- International journal of Biological research, ISSN registered, indexed journal to encourage teachers and students to publish research papers.

#### WEAKNESS

1. No lab space, store room and museum.
2. Cupboards need to be provided instead of racks for safe-keeping of lab specimens.
3. Position of green house is not suitable and needs to be renovated.
4. Replacement of old computers.
5. Need for having external examiners for PG practical final exam.

#### OPPORTUNITIES

1. Research opportunities to students are provided and providing them access to work in the research labs.
2. Hands-on training provided to Bachelors and Masters Students through term papers and projects.
3. CBCS course for PG has been well-accepted and has been in demand.
4. Students are taken to various institutes like FRLHT, NIMHANS, field visits and Botanical tours (4 days).
5. M.Sc. Students get trained to take up employment in the field of teaching by handling foundation course for UG students.

#### CHALLENGES

1. General decline in takers for Natural Science degrees.
2. Opening of similar new courses (M.Sc. Botany) in other colleges with low fee structure.
3. Admission to courses is being done before announcement of results in other Universities.
4. Low advertising about the college.
5. Injustice to the department during admission due to unequal distribution of students for B.Sc. courses with optional subject of Botany.

39. Future plans of the department.

1. Aiming that more staff enroll as Ph.D guides.
2. Consultancy to be established with I-IAM (FRLHT), St. Johns medical college and JCB Herbaria, IISc.
3. Collaboration with TOSKAR (The orchid society of Karnataka) and outreach programmes.
4. Ex situ germplasm conservation of rare and endangered species of plants at National level
5. This is in addition to curriculum and cocurriculum development programmes to facilitate students to make men and women for a better greener earth.
6. New innovative experiments will be added for B.Sc and M.Sc courses
7. To provide hands on training on operating instruments and training skills for the same.
8. Internet enabled practicals
9. More publications of papers/ books from the department by research students and staff members

10. Conducting workshops/seminars for exposure to recent trends.

11. Create digital herbaria

40. Innovations introduced by the department in the last four years
1. Web based interactive smart classes for theory and practicals are conducted.
  2. Practical specimens are interfaced with stereo zoom microscopes and binocular microscopes with built in cameras and laptops to enable student for in depth observations and photoshots.
  3. A special innovative device named “Luminous focusing system” interfaced with LCD projectors enables students to observe dissected specimens and the different parts of the plant.
  4. Botanical tours offer students hands-on field experience in Plant Systematics and other branches of Botany. B.Sc and M.Sc students are taken on local/out station trips and also Industrial and International reputed institutes for updating themselves in recent academic/research development and innovations.
  5. Student Research Projects and term papers for undergraduate and post-graduate levels (mandatory for elective papers at Post-graduate level) are encouraged, and papers are published at National and International Journals.
  6. A special elective on Plant Taxonomy for MSc students has been introduced by the department where practicals are conducted through an online connect to the JCB Herbaria of Indian Institute of Science which is a digital herbaria based on the monumental work of Dr. Cecil .J. Saldana’s “Karnataka flora” (volume 1 and 2 ).
  7. A Biological data base is been updated every year.
  8. Case studies are carried out by PG students for the under privileged communities of Karnataka for various diseases.
  9. Aiming towards an ecofriendly campus. PG students manage a vermicomposting unit to promote organic manuring in the campus, to keep the environment clean and to minimise waste and students are trained in this regard.
  10. The Department maintains a green house for research purposes and offers space for other departmental research activities.
  11. At the UG and PG level, students are trained with techniques of preparation of a herbaria and also about the preservation techniques too
  12. To give students an insight on how various presentations are carried out at conferences. Research projects are presented at National and International conferences.

#### 4. EVALUATIVE REPORT OF DEPARTMENT OF CHEMISTRY

1. Name of the Department & its year of establishment

UG Chemistry 1922; PG Chemistry 1986; PhD program 1996

2. Names of Programmes/ Courses offered

UG courses (PCM, CBZ, CEB, CEZ, MCB, MCZ, CBBt, CZBt);

M.Sc. (Chemistry)

Ph.D. Program (Research Center affiliated to Bangalore University)

3. Interdisciplinary courses and departments involved

Josephite Research Forum (JRF) and Certificate Course on research based learning jointly conducted by Chemistry, Biotech and Botany departments. Both these programs are sponsored by DBT.

4. Annual/ semester/choice based credit system

Semester and choice based credit system

5. Participation of the department in the courses offered by other departments

Our students participate in choice based credit system (CBCS) conducted by other departments. Other students opt for chemistry under CBCS.

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)

16 aided (Associate Professors)      5 unaided (Assistant Professors)

1. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

	Name of the faculty	QIn	Designation	Specialization	Years	Ph.D 2012-2016
1.	Mr. T Baskar	M.Phil.	HOD	Chemistry	30	
2.	Mr. T.V. Vedavyasa	M.Phil.	PG Co-coordinator	Physical Chemistry	30	
3.	Dr. Nagaraju N	Ph.D.	Associate Professor	Inorganic Chemistry	31	1
4.	Mr. Anantha Padmanabha Rao	M.Phil.	Asso Prof	Organic Chemistry	31	
5.	Dr. Michael Rajamathi	Ph.D.	Asso Prof	Chemistry	30	02
6.	Dr. Vijayasri Srinivasan	Ph.D.	Asso Prof	Chemistry	30	
7.	Dr. Vijaykumar Reddy	Ph.D.	Associate Professor	Physical Chemistry	30	
8.	Dr. H Jayasankar	Ph.D.	Asso Prof	Chemistry	29	
9.	Dr. C. Mohana Das	Ph.D.	Asso Prof	Chemistry	28	
10.	Dr. Ronald Jerald Mascarenhas	Ph.D.	Associate Professor	Physical Chemistry	27	03
11.	Dr. Melwin Colaco	Ph.D.	Asso Prof	Chemistry	25	
12.	Dr. Somashekariah B V	Ph.D.	Asst Prof	Biochemistry	24	3
13.	Dr. Sandra Misquith	Ph.D.	Asst Profr	Biochemistry	22	3
14.	Dr. Shobha S.V	Ph.D.	Asso Prof	Chemistry	22	
15.	Dr. Shanty Mathew	Ph.D.	Asst Prof	Analytical Chemistry	21	
16.	Dr. Libi Thomas	Ph.D.	Asst Prof	Analytical Chemistry	21	
17.	Dr. Suhas D.P.	Ph.D.	Asst Prof	Chemistry	1	
18.	Dr. Joyce D'soza	Ph.D.	Asst Prof	Analytical Chemistry	2	
19.	Ms. Christine Nigli	M.Phil.	Asst Prof	Biochemistry	3	
20.	Ms. Laveena Mariet	M.Sc.	Asst Prof	Analytical	1	

	Veigas			Chemistry		
21.	Dr. Ashlee P. C.	Ph.D.	Asst Prof	Chemistry	-	

8. Percentage of classes taken by temporary faculty – programme-wise information: No temporary faculty

9. Programme-wise Student Teacher Ratio: PG 6: 1; UG 44:1

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled Technical staff: 5(UG); 1 (PG)

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.

**Major Research Projects Completed during 2012- 2016**

Si. No.	Name	Subject	Amount (Rs.)	Year Project Completed	Funding Agency
1.	Dr. Michael Rajamathi	Chemistry	55,00,000.00	2016	SERB
2.	Dr. Ronald J. Mascarenhas	Chemistry	9,39,807.00	2016	UGC

**Ongoing Major Research Projects: 2012- 2016**

Si. No.	Name	Subject	Amount (Rs.)	Year of grant received	Funding Agency
1.	Dr. Melwin Colaco	Chemistry	14,79,300	31-03-2013	UGC
2.	Dr. Sandra Misquith	Chemistry	22,96,000	07-10-2013	CSIR
3.	Dr. B.V. Somashekariah	Chemistry	12,68,900	31-03-2013	UGC
4.	Dr. Michael Rajamathi	Chemistry	36,82,580	24-06-2013	SERB, DST
5.	Dr. Ronald J. Mascarenhas	Chemistry	27,00,000	07-05-2014	BRNS

**Minor Research Projects Completed during 2012- 2016**

Si. No.	Name	Subject	Amount (Rs.)	Year Project Completed	Funding Agency
1.	Dr. Naveen Chandra	Chemistry	1,50,000	2015	UGC

**Ongoing Minor Research Projects 2012- 2016**

Si. No.	Name	Subject	Amount (Rs.)	Year of grant received	Funding Agency
1.	Dr Joyce D'Souza	Chemistry	2,00,000	04-02-2015	UGC

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received College has received the following amount under College for Excellence (CE) grants (Non-recurring: 110 lakhs and Recurring: 60 lakhs

DBT (POTENTIAL FOR STAR)	10 lakhs
DST FIST	95 lakhs (for 6 PG departments including CHEMISTRY)

13. Research facility / centre with

Department is recognized as Research Center by Bangalore University.

14. Publications:

Chapter(s) in Books

Tejraj M Aminabhavi, Suhas P. Dharupaneedi, Uttam A. More, The role of nanotechnology and chitosan based biomaterials for tissue engineering and therapeutics; Chitosan Based Biomaterials, Volume 2; Chapter 1 ([http://dx.doi.org/10.1016/B978-0-08-100228-5\\_00001-8](http://dx.doi.org/10.1016/B978-0-08-100228-5_00001-8)) Year 2016.

Tejraj M Aminabhavi, Suhas P. Dharupaneedi, Production of Chitosan based Hydrogels for Biomedical Applications; Book: Chitosan Based Biomaterials, Volume 1; Chapter 12 ([http://dx.doi.org/10.1016/B978-0-08-100230-8\\_00012-1](http://dx.doi.org/10.1016/B978-0-08-100230-8_00012-1)) Year 2016.

Publications in SCI indexed journal

Name of the Faculty	No. of Publications (2012-16)	H-Index	Publication details only from 2012-2016	Impact factor	Citation Index
Dr. N. Nagaraju	9	18	Journal of Power Sources Volume 309, 31 March 2016, Pages 212-220	6.09	16.61
			Materials Chemistry and Physics; Volume 164, 15 August 2015, Pages 98-107	2.35	
			Journal of Industrial and Engineering Chemistry Volume 19, Issue 1, 25 January 2013, Pages 337-346	3.45	
			RSC Advances Volume 6, Issue 85, 2016, Pages 82359-82369	3.97	
			Journal of Energy Chemistry December 25, 2015 DOI: 10.1016/j.jechem.2016.04.012	2.33	
			Cuihua Xuebao/Chinese Journal of Catalysis Volume 36, Issue 2, 20 February 2015, Pages 209-215	1.5	
			Cuihua Xuebao/Chinese Journal of Catalysis Volume 36, Issue 11, 20 November 2015, Pages 1825-1836	1.5	
			Advanced Materials Letters Volume 3, Issue 4, September 2012, Pages 309-314;	1.46	
			Chinese Journal of Catalysis Volume 33, Issue 2-3, February 2012, Pages 439-446	1.5	
Dr. Melwin Colaco	5		Acta Crystallogr Sect F Struct Biol Cryst Commun. 69 (2013) 103-108.	0.647	NA
			S PLoS One 9 (2014).	3.55	
			J Struct Biol.190 (2015) 304- 313.	3.067	
			Cryst Eng Comm, 17 (2015) 2523-2528	3.849	
			The FEBS Journal 283 (2016) 3723-2738	4.237	
Dr. Santra Misquith	3	9	Acta Crystallogr Sect F Struct Biol Cryst Commun. 69 (2013) 103-108.	0.55	11.75
			S PLoS One 9 (2014).	3.55	
			J Struct Biol.190 (2015) 304- 313.	3.067	
Dr. Ronald Mascarenhas	15	11	Ionics (2016): DOI: 10.1007/s11581-016-1806-y	2.119	22.8
			Journal of Electroanalytical Chemistry (2016): DOI: 10.1016/j.jelechem.2016.08.010	2.807	
			RSC Adv., 2015, 5, 91472	3.907	
			Materials Science and EngineeringC 57 (2015) 328–337.	3.338	
			Ionics 22 (2016) 405–414	2.119	
			Journal of Electro- analytical Chemistry 739 (2015) 49–57.	2.807	
			Journal of Electroanalytical Chemistry 732 (2014) 30–37.	2.807	
			Talanta 125 (2014) 352–360.	4.035	

			Ionics 20 (2014) 849–856.	2.119	
			J. Electroanal. Chem. 704 (2013) 220.	2.807	
			Journal of Colloid and Interface Science 402 (2013) 223.	3.758	
			Mater. Sci. Eng., C. 33 (2013) 3294–3302.	3.338	
			Colloids and Surfaces B: Biointerfaces 110 (2013) 458–465.	4.269	
			Journal of Molecular Liquids 174 (2012) 70–75.	2.740	
			Colloids and Surfaces B: Biointerfaces 101 (2013) 91–96.	4.269	
Dr. Michael Rajamathi	19	33	Carbon 2012, 50, 4839.	6.19	47.7
			Port. Electrochim. Acta 2012, 30, 371.	0.96	
			Nanoscale 2012, 4, 496.	7.76	
			J. Mater. Chem. 2012, 22, 6885.	6.62	
			J. Solid State Electrochem. 2012, 16, 3189.	2.32	
			ACS Nano 2013, 7, 7311.	13.33	
			Mater. Res. Bull. 2013, 48, 2715.		
			J. Phys. Chem. Solids 2013, 74, 1164.	1.85	
			ACS Appl. Mater. Interfaces 2013, 5, 2708.	7.14	
			J. Solid State Chem. 2013, 198, 303.	2.26	
			J. Electroanal. Chem. 2013, 704, 220.	2.82	
			ACS Nano 2014, 8, 2755.	13.33	
			J. Phys. Chem. C 2014, 118, 1386.	4.50	
			J. Mater. Chem. A 2014, 2, 985.	8.26	
			Appl. Clay Sci. 2014, 87, 163.	2.58	
			RSC Adv. 2015, 5, 51176	3.907	
			Phys. Chem. Chem. Phys. 2016, 18, 12604.	5.3	
			Carbon 2017, 112, 8	6.19	
Dr.Suhas D.P.	1	4	RSC Advances, 5 (2015) 100984.	3.907	12.1

\*Details of staff publications are included in the appendix

15. Details of patents and income generated: None

16. Areas of consultancy and income generated: Rs. 17,26,640 (PXRD consultancy for pharma companies)

17. Faculty recharging strategies

Organizing conferences, academic meetings, attending seminars and workshops

19. Student projects

Percentage of students who have done in-house projects including inter-departmental: PG – 100%; UG – 05%

Percentage of students doing projects in collaboration with industries / institutes: NIL

20. Awards / recognitions received at the national and international level by

#### Faculty

Name of the Faculty	Achievement	Year
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Michael Rajamathi	CV Raman Award, Karnataka	For 2011 (given in 2013)
Doctoral / post-doctoral fellows		
Name of the Doctoral/Post-doctoral fellow	Achievement	Year
Nethravathi, C	PDF in NIMS, Japan	2012
Nygil Thomas	PDF in Germany	2012
Anto Jeffery	CSIR-SRF	2015

Students

Name of the student	Achievement	Year
Catherine Rajamathi	Doctoral Fellowship, MPI for Chemical Physics of Solids, Dresden, Germany	2013
Aravind	Doctoral Fellowship, FUNDP, Namur, Belgium	2015

22. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

sl	Seminars/workshops/conferences organized	year	funding agency
1	“Chemistry – Challenges & Opportunities” (NCCCO-2012)	2011-12	DST, St. Joseph’s College, Astra Zeneca
2	Electrochemical concepts: Materials for energy storage and sensing (ECMESS-2015)	2014-15	UGC
3	Spectroscopic and Microscopic Methods for the Analysis of Materials (SMAM-2016)	2016-17	National Science Academies

22. Student profile course-wise:

RESULTS UG															
Combinati on	2009-2012			2010-2013			2011-2014			2012-2015			2013-2016		
	Ad mitt ed	C o m pl et ed	%	A d mi tte d	C o m pl et ed	%	A d mi tte d	C o m pl et ed	%	A d mi tte d	C o m pl et ed	%	A d mi tte d	C o m pl et ed	%
PCM	45	29	64.4	42	23	54.8	29	14	48.3	35	24	68.6	59	31	52.5
CBBT	48	25	52.1	34	24	70.6	32	15	46.9	38	25	65.8	22	11	50
CBZ	32	20	62.5	28	18	64.2	29	15	51.7	22	16	72.7	37	28	75.7
CEB	6	3	50	7	1	14.3	12	5	41.7	3	2	66.7	18	16	88.9
CEZ	11	3	27.3	22	13	59.1	18	13	72.2	6	5	83.3	16	10	62.5
MCB	17	12	70.5	16	8	50	8	4	50	12	8	66.7	15	8	53.3
MCZ	32	26	81.2	27	21	77.8	23	15	65.2	40	23	57.5	45	29	64.4
CZBT													36	16	44.4

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

UG and PG Programs	No. of Students qualify NET/GATE/INSPIRE etc. during last 3 years			
	2013	2014	2015	2016
NET	2	-	1	-
GATE		-	2	-

INSPIRE	4	1	2	-
KVPY	-	1	-	-
JNCASR POCE	-	1	1	1
IAS Summer Fellowship	-		2	-
Post Matric Scholarship for Minorities, GoI	-	1	-	-

#### 24. Student progression

Student progression	Percentage against enrolled
UG to PG	20%
PG to M.Phil./PhD	25%
Ph.D. to Post-Doctoral	25%
Employed Campus selection	10%
Employed Other than campus recruitment	50% (Industry) 25% (Teaching and Others)
Entrepreneurs	Data not available

#### 25. Diversity of staff

Staff who have joined the department from 2012-2016

Percentage of faculty who are graduates of the same parent university	17% (1/6)
Percentage of faculty who are graduates from other universities within the State	33% (2/6)
Percentage of faculty who are graduates from other universities from other States	50% (3/6)

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period: None

#### 27. Present details about infrastructural facilities

a) Library: Common Library one for UG and one for PG

b) Internet facilities for staff and students: Available

c) Total number of class rooms

d) Class rooms with ICT facility

Courses	No. of Class Rooms	With ICT facility
PCM	3	3
CBZ	3	3
CEB/CEZ	3	3
MCB/MCZ	3	3
CBBt/CZBt	3	3
M.Sc. Analytical Chemistry	2	2
Total	17	17

e) Students' laboratories: UG – 4 Labs and PG – 3 Labs

f) Research laboratories: Six

g) Number of students of the department getting financial assistance from Colleges: Data not available with the department

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology. : No new programs initiated in this period.

30. Does the department obtain feedback from:

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

Yes. Board of studies (BOS) discusses the suggestions given by faculty and makes changes in the curriculum.

b. students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same? : College collects feedback on staff from students; feedback on



curriculum obtained informally through occasional interviews. The staffs are advised by the Principal on any shortcoming indicated in the feedback by students; the student feedback on curriculum is discussed in the BOS.

c. alumni and employers on the programmes and what is the response of the department to the same?

Some alumni are brought into the BOS and their suggestions are discussed in the BOS. The Principal meets the staff in the beginning of each academic year and gives feedback as well as suggestions for progress.

31. List the distinguished alumni of the department (maximum 10)

Prof. J. Chandrashekar, Retired Professor from IISc

Prof. Vishnu Kamath, Professor, Bangalore University

Prof. E.S. Dwaraka Das, Industrialist

Sri Sri Ravi Shankar, founder of Art of Living (AOL)

Dr. Aby Paul, National Best Teacher Award Winner 2015-16.

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

Date	Name of the Speaker	Designation	Title
24/06/2015	Dr Murthy S Gudipatti	California Institute of technology USA	“Ices of the universe”
03/07/2015	Dr Ramamurthy	Jain Unbiversity	Over view of Intellectual Property rights
17/07/2015	Dr Narendra Reddy	Jain University	Biopolymer materials for a sustainable greener future: pursuing a common Bond
22/07/2016	Dr. Michael Rajamathi	St. Joseph’s College	Chemistry and my life
2016	Aninda Bhattacharya	Associate Professor, Solid State and Structural Chemistry Unit, Indian Institute Of Science, Bangalore.	Microbial electrochemical technologies
2016	Dr. Gulshan Relhan	Former programme officer of board of research in nuclear sciences, Senior Scientist Bhabha Atomic Research Centre, Mumbai	Innovation and future challenges in science and technology
2016	Prof. A Ramachandraiah	Chemistry Department, National Institute Of Technology, Warangal	Relevance of scientific communication in Indian context

33. List the teaching methods adopted by the faculty for different programmes.

ICT, Quiz, field-trips, industrial visits, research projects

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

We analyze the results at the end of each semester and make course corrections. Based on internal assessment test results we identify students who perform poorly and arrange remedial program for them.

35. Highlight the participation of students and faculty in extension activities : They take part in outreach programs

36. Give details: State whether the programme/ department is accredited/ graded by other agencies. Give details: No

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

SWOC Analysis – Department of Chemistry

Strengths:

- Our biggest strength is that we have highly qualified and committed faculty. More than 75% of our staff have Doctoral degree.
- Many of our teachers are actively involved research.
- Willingness to try new innovative methods in teaching and evaluation is another of our biggest strengths.
- We have a very highly sophisticated instrumentation centre.
- Teamwork is another very important strength of our department. We are also people with very diametrically opposite views, which is a good blend for the growth of the department.

Weaknesses:

- As a department, we do not come together as often as we should. Slight initial resistance towards anything new is emerging, of late.
- All members of the staff are not very vocal during department meetings; hence discussion of various issues happens between a few members.
- Many ideas are floated around during various department meetings but sometimes no proper decision is taken at the end of the meetings.
- Documentation is poor at the department level.
- Full potential of the department yet to be realised.

Opportunities:

- We can start new programmes at under graduate and the post graduate level.
- Institution - industry link can be strengthened further. This will help in training and also in placement of our PG students
- Research can be expanded further given all the facilities that we now have in the college.
- Alumni potential can be tapped for resources – monetary and intellectual
- Consultancy revenue can be increased by offering various analytical services to industries.

Challenges

- A very high Student: Teacher ratio in UG is one of our biggest challenges as it curtails the efficiency of the teachers.
- Space constraint in the labs is a problem. We are not able to handle large batches.
- Lack of incentives and lack of clarity of policies toward research, would come in the way of expanding research in the department
- Lack of a consistent policy towards fund allocation does not allow us to do anything extra such as industrial visits, attending seminars, various association activities etc.

39. Future plans of the department.

- We have plans to conduct seminars/workshops on a regular basis. Some of the areas picked out are “Innovative teaching methods”, “Sustainable Excellence”, “Spectroscopic and microscopic techniques”
- We would also conduct Conferences for the students by the students
- Those of our teachers who do not have a Ph.D. will get their degrees soon.
- We will strive to get more research projects from government funding agencies.
- We would initiate writing proposal for DST FIST funding
- We will strive to do well in DBT (Potential for STAR) program and reach DBT-STAR status.

PUBLICATIONS

1.R.T. Vinny,, K. Chaitra, K. Venkatesh, N. Nagaraju, N. Kathyayini, An excellent cycle performance of asymmetric supercapacitor based on bristles like  $\alpha$ -MnO<sub>2</sub> nanoparticles grown on multiwalled carbon nanotubes, Journal of Power Sources 2016, 309, 212.

2.K. Chaitra, N. Nagaraju, K. Nagaraju, Nanocomposite of hexagonal  $\beta$ -Ni(OH)<sub>2</sub>/multiwalled carbon nanotubes as high performance electrode for hybrid supercapacitors, Materials Chemistry and Physics 2015, 164, 98.

3. M. Rekha, H.R. Manjunath, N. Nagaraju, Mn/Al<sub>2</sub>O<sub>3</sub> and Mn/ZrO<sub>2</sub> as selective catalysts for the synthesis of bis(indolyl)methanes: The role of surface acidity and particle morphology, *Journal of Industrial and Engineering Chemistry* 2013, 19, 337.
4. H.N. Hareesh, K.U. Minchitha, K. Venkatesh, N. Nagaraju, N. Kathyayini, Environmentally benign selective hydrogenation of  $\alpha,\beta$ -unsaturated aldehydes and reduction of aromatic nitro compounds using Cu based bimetallic nanoparticles supported on multiwalled carbon nanotubes and mesoporous carbon, *RSC Advances* 2016, 6, 82359.
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7. H.N. Hareesh, K.U. Minchitha, N. Nagaraju, N. Kathyayini, Catalytic role of Cu(I) species in Cu<sub>2</sub>O/CuI supported on MWCNTs in the oxidative amidation of aryl aldehydes with 2-aminopyridines, *Cuihua Xuebao/Chinese Journal of Catalysis* 2015, 36, 1825.
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9. M. Rekha, A. Hamza, B.R. Venugopal, N. Nagaraju, Synthesis of 2-substituted benzimidazoles and 1,5-disubstituted benzodiazepines on alumina and zirconia catalysts, *Chinese Journal of Catalysis* 2012, 33, 439.
10. S. Prasannakumar, R. Manjunatha, C. Nethravathi, G. S. Suresh, M. Rajamathi, T. V. Venkatesha, Non-enzymatic Reduction of Hydrogen Peroxide Sensor Based on (Polyaniline-polystyrene Sulphonate): Carboxylated Graphene Modified Graphite Electrode, *Port. Electrochim. Acta* 2012, 30, 371.
11. C. Nethravathi, B. Viswanath, J. Michael, M. Rajamathi, Hydrothermal synthesis of a monoclinic VO<sub>2</sub> nanotube-graphene hybrid for use as cathode material in lithium ion batteries *Carbon* 2012, 50, 4839.
12. C. Nethravathi, J. Machado, U. K. Gautam, G. S. Avadhani, M. Rajamathi, Exfoliation of copper hydroxysalt in water and the conversion of the exfoliated layers to cupric and cuprous oxide nanoparticles, *Nanoscale* 2012, 4, 496.
13. T. H. Choudhury, M. Rajamathi, S. Raghavan, Chemically enhanced thermal stability of anodized nanostructured zirconia membranes, *J. Mater. Chem.* 2012, 22, 6885.
14. C. Nethravathi, A. Anto Jeffery, M. Rajamathi, N. Kawamoto, R. Tenne, D. Golberg, Y. Bando, Chemical unzipping of WS<sub>2</sub> nanotubes, *ACS Nano* 2013, 7, 7311
15. M. Sebastian, C. Nethravathi, M. Rajamathi, Interstratified hybrids of  $\alpha$ -hydroxides of nickel and cobalt as supercapacitor electrode materials *Mater. Res. Bull.* 2013, 48, 2715.
16. N. Nityashree, M. Rajamathi, Interstratified composite of the anionic clays, Zn<sub>5</sub>(OH)<sub>8</sub>(NO<sub>3</sub>)<sub>2</sub>·2H<sub>2</sub>O and Ni<sub>3</sub>Zn<sub>2</sub>(OH)<sub>8</sub>(NO<sub>3</sub>)<sub>2</sub>·2H<sub>2</sub>O, by delamination-costacking, *J. Phys. Chem. Solids* 2013, 74, 1164.
17. C. Nethravathi, C. R. Rajamathi, M. Rajamathi, U. K. Gautam, X. Wang, D. Golberg, Y. Bando, N-Doped Graphene-VO<sub>2</sub> (B) Nanosheet-Built 3D Flower Hybrid for Lithium Ion Battery, *ACS Appl. Mater. Interfaces* 2013, 5, 2708.
18. J. Arulraj, M. Rajamathi, Preparation of anionic clay-birnessite manganese oxide composites by interlayer oxidation of oxalate ions by permanganate, *J. Solid State Chem.* 2013, 198, 303.
19. O. J. D'souza, R. J. Mascarenhas, T. Thomas, I. N. N. Nambothiri, M. Rajamathi, P. Martis, J. Dalhelle, Electrochemical determination of L-tryptophan based on a multiwall carbon nanotube/Mg-Al layered double hydroxide modified carbon paste electrode as a sensor *J. Electroanal. Chem.* 2013, 704, 220.
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26. A. Anto Jeffery, S. R. Rao, M. Rajamathi, Preparation of MoS<sub>2</sub>-Reduced Graphene Oxide (rGO) Hybrid Paper for Catalytic Applications by Simple Exfoliation-Costacking, *Carbon* 2017, 112, 8.
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32. M. Colaço, J. Dubois, J. Wouters, Mechanochemical synthesis of phthalimides with crystal structures of intermediates and products. *Cryst Eng Comm*, 2015, 17, 2523.
33. Siddharth Shrestha, Ronald J Mascarenhas, Ozma J D'Souza, Ashis K Satpati, Zineb Mekhalif, Dhason A, P. Martis, Amperometric sensor based on multi-walled carbon nanotube and poly (Bromocresol purple) modified carbon paste electrode for the sensitive determination of L-tyrosine in food and biological samples, *Journal of Electroanalytical Chemistry* (2016): DOI information: 10.1016/j.jelechem.2016.08.010
34. Ozma J D'Souza, Ronald J Mascarenhas, Ashis K Satpati, Simon Detriche, Zineb Mekhalif, Joseph Delhalle, Dhason A. High electrocatalytic oxidation of Folic acid at carbon paste electrode bulk modified with Iron nanoparticles decorated Multi-walled carbon nanotubes and its application in food and pharmaceutical analysis. *Ionics* (2016): DOI: 10.1007/s11581-016-1806-y
35. Ozma J. D'Souza, Ronald J. Mascarenhas, Ashis K. Satpati, Irishi N. N. Namboothiri, Simon Detriche, Zineb Mekhalif and Joseph Delhalle, A multi-walled carbon nanotube/poly-2,6-dichlorophenolindophenol film modified carbon paste electrode for the amperometric determination of L-tyrosine, *RSC Advances* 2015, 5, 91472
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39. Prerna Pradhan, Ronald J. Mascarenhas, Tony Thomas, Irishi N.N. Namboothiri, Ozma J. D'Souza, Zineb Mekhalif, Electropolymerization of bromothymol blue on carbon paste electrode bulk modified with oxidized multiwall carbon nanotubes and its application in amperometric sensing of epinephrine in pharmaceutical and biological samples, *Journal of Electroanalytical Chemistry* 2014, 732, 30.
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42. Tony Thomas, Ronald J. Mascarenhas, Ozma J. D'Souza, Praveen Martis, Joseph Dalhalle, B.E. Kumara Swamy, Multi-walled carbon nanotube modified carbon paste electrode as a sensor for the amperometric detection of L-tryptophan in biological samples, *Journal of Colloid and Interface Science* 2013, 402, 223.
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44. Tony Thomas, Ronald J Mascarenhas\*, B. E. Kumara Swamy, Praveen Martis, Zineb Mekhalif and B.S. Sherigara, Multi-walled carbon nanotube/poly(glycine) modified carbon paste electrode for the determination of dopamine in biological fluids and pharmaceuticals, *Colloids and Surfaces B: Biointerfaces* 2013, 110, 458.
45. Tony Thomas, Ronald J. Mascarenhas, B.E. Kumara Swamy, Poly(Rhodamine B) modified carbon paste electrode for the selective detection of dopamine, *Journal of Molecular Liquids* 2012, 174, 70.
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48. Tejraj M Aminabhavi, Suhas P. Dharupaneedi, Chapter 12, Production of Chitosan based Hydrogels for Biomedical Applications; *Book: Chitosan Based Biomaterials: Fundamentals* Volume 1, Edited by: J. Amber. Jennings and Joel D. Bumgardner, 2017 Woodhead publishing series in biomaterials (an imprint of Elsevier) ISBN: 978-0-08-100230-8 (print), ISBN: 978-0-08-100257-5 (online).
49. Dharupaneedi P. Suhas, Tejraj M. Aminabhavi, Han M. Jeong, Anjanapura V. Raghunath, Hydrogen peroxide treated graphene as an effective nanosheet filler for separation application;; *RSC Advances*, 2015, 5, 100984.

## 5. EVALUATIVE REPORT OF DEPARTMENT OF COMMERCE

1. Name of the Department: Department of Commerce

Year of establishment: 2015

2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Undergraduate Programs

B.Com 2015 – 2016

B.Com BPS 2016 - 2017

3. Interdisciplinary courses and departments involved

English: Department of English

Languages: Department of Languages

Department also offers one certificate course on “Basic Financial Accounting” to facilitate students basic knowledge on accounting to the non-commerce students.

4. Annual/ semester/choice based credit system

Semester and choice based credit system

5. Participation of the department in the courses offered by other departments

Choice based credit course	Offered by other departments.
Certificate Courses	Offered by other departments.

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)

Category	Sanctioned	Filled
Professors	N/A	N/A
Associate Professors	N/A	N/A
Asst. Professors	9	9

7. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

	Name of the faculty	Qualification	Designation	Specialization	years of Teaching Experience
1.	Dr. Christo Selvan	M.com, MBA, PGDCA, Phd	Assistant Professor	Financial Accounting	15 years
2.	Mr.Cyril	M.com, PGDBA, PGDFM, NET, K-SET	Assistant Professor	Accounting & Finance	1.5yrs-Teaching
3.	Ms.Amita Priyadarshini	M.com, PGDFM, NET (JRF), K-SET	Assistant Professor	Accounting & Finance	1.5 Years
4.	Ms. Princy Nisha	M.com, PGDHRM	Assistant Professor	Finance	5 Years
5.	Mr. Charles Ambrose	M.com, NCCMP, NET (JRF), K-SET	Assistant Professor	Taxation, financial market and Cost accounting	4.5yrs
6.	Ms. Radhika Uttam	M.com, PGDBA, K-SET	Assistant Professor	Financial Accounting	1.5 years
7.	Ms.Divyashree V	M.com, NET	Assistant Professor	Accounting & Taxation	2.5 years
8.	Ms. Ahana Ruth Pinto	M.com, PGDBA, PGDFM, NET , K-SET	Assistant Professor	Finance & Marketing	1.5 years
9.	Ms. Immaculate	M.com, PGDBA, PGDFM	Assistant Professor	Finance	0.5 years

8. Percentage of classes taken by temporary faculty – programme-wise information: NIL

9. Programme-wise Student Teacher Ratio UG : 80:1

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled NIL

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.: NONE

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received NONE

13. Research facility / centre with

State Recognition : No

National Recognition : No

International Recognition: No

14. Publications: 2012-16 only with ISSN ISBN

1. Christoselvan and Chau Thanh Doan Thu (2015), The benefits and Challenges of Palm oil plantation in Malaysia – a study on FDI, published in Global Business, Economics, Finance and Social Science, February 2015, Thailand, Malaysia, ISBN: 978-1-941505-22-9

2. Cyril (2016) Mindfulness and authentic happiness: A study on Bangalore based software professionals, Published in Next generation BPs-A catalyst for value creation: Page Nos 61-68 ISBN NO.978-93-86176-25-7

3. Cyril (2016) A study on “change in the pattern of investment by the individuals during the financial instability”. In an International Journal of Business and administration Research Review: Issue No:4 Volume No:1 Impact factor 3.853 ISSN No:2348-0653

4. Amita Priyadarshini (2016), A Study on Green Banking In India: Its Impact on Return On Equity and Sustainable Development, International Journal Of Business And Administration research Review, September 2016, Bangalore, India , ISSN: 2348-0653

5. A study on change in the pattern of investment by the individuals during the financial stability- International Journal of Business and Administration research review-Volume no.1, Issue no.4, Impact factor 3.853. ISSN No-2348- 0653.

Proceedings

6. Christoselvan and Reteka Singh (2016) “A study on the problems and prospects of Green Marketing in India” in Conference Summaries at SNR Sons College, Tamilnadu ISBN 978-93-5258-625-7

7. Cyril The role of small, micro and medium enterprise in inclusion growth- National seminar on financial inclusion – opportunities and Challenges- ISBN no.978-81- 920859-3-7

8. Charles (2016), A Study on Comparative Analysis of Equity Schemes Offered by Kotak Mutual Funds-Emerging Trends in Global and Indian Business Scenario at St Joseph Evening College on 27/02/2016, ISBN No. 978-81- 923066-4- 3.

9. Divya Shree and Radhika Uttam (2016), A study on “Gold ETF as a choice of investment avenue among women faculties in Bangalore” Organized by Kristu Jayanti college, published in “International Journal of Business and Administration Research Review” ISSN - 2348-0653.

10. Divya Shree & Radhika Uttam (2016), A study on “Gold ETF as a choice of investment avenue among women faculties in Bangalore” Organized by Kristu Jayanti college, published in “International Journal of Business and Administration Research Review” ISSN - 2348-0653.

15. Details of patents and income generated: NONE

16. Areas of consultancy and income generated: NONE

17. Faculty recharging strategies : staff have attended workshops and seminars and presented papers.

19. Student projects

o percentage of students who have done in-house projects including inter-departmental: NONE

o percentage of students doing projects in collaboration with industries / institutes: 100%

Internship Project

20. Awards / recognitions received at the national and international level by: NIL

21. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.: NONE

22. Student profile course-wise:

Not Available with the department

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations? NOT APPLICABLE

24. Student progression Not Applicable

25. Diversity of staff:

Percentage of faculty who are graduates from:

Same University

Other universities within state

Other universities other states

	Faculty name	Same university	Other universities within state	Other universities other states
1.	Dr. Christo Selvan	-----	-----	Bharathiar University
2.	Mr.Cyril	-----	Mangalore university	
3.	Ms.Amita Priyadarshini	Bangalore University	-----	
4.	Ms. Princy Nisha	Bangalore university	-----	
5.	Mr. Charles Ambrose	Bangalore university		
6.	Ms. Radhika Uttam	-----	Christ University	
7.	Ms.Divyashree V		University of Mysore	
8.	Ms. Ahana Ruth Pinto	Bangalore university	-----	
9.	Ms. Immaculate	Bangalore university	-----	-----
	Total	56%	33%	11%

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.  
NONE

27. Present details about infrastructural facilities

- Library: Common Library one for UG
- Internet facilities for staff and students: Available
- Total number of class rooms: 9 Class rooms
- Class rooms with ICT facility: YES
- Students' laboratories: NO
- Research laboratories: N/A

27. Number of students of the department getting financial assistance from College.

Not available with the department

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

No

30. Does the department obtain feedback from : Informal feedback by respective class mentors.

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

Yes. Board of studies (BOS) meeting, incorporating the suggestions in our curriculum.

b. students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

Based on the feedback on staff and curriculum, following actions were taken

- 1.Remedial classes for weaker students
- 2.Bridge course for non mathematics students



3. Personal teaching
  4. Special advice for the students who appear for Professional Certificate courses like CA/ACCA and others
  5. Mock examination
  6. Assignments are given to meet their individual learning needs
    - c. alumni and employers on the programmes and what is the response of the department to the same?
- Not Applicable
31. List the distinguished alumni of the department
- Not Applicable
32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

Date	Institution/company	Designation	Title
June, 2015	Yashes Academy	Marketing	Careers in Chartered Accountancy (CA) & CS
July, 2015	Global Express Travel Academy Ltd	Branch Manager and marketing Head	Travel and Tourism Management
12/ 2015	ISDC	Marketing Head	Orientation to ACCA
7/ 2016	Byju's Classes	Byju's academicians	Career guidance
7/ 2016	Seattle University, USA	Dr. Ajay Abraham, Asst. Professor	Emerging trends in Marketing.

33. List the teaching methods adopted by the faculty for different programmes.  
Ans: ICT, Case Studies, Research Projects, Practical Assignments
  34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?  
Through evaluating practical assignments, we identify students who require extra attention and help them improve academically, on one-to-one basis. Also we conduct result analysis and carry out remedial classes for academically poor students.
  35. Highlight the participation of students and faculty in extension activities.  
Ans: Take part in outreach programs, Industry visits are organized to visit Coca Cola Industry, Bangalore
  36. State whether the programme/ department is accredited/ graded by other agencies. Give details.  
Yes, the college has an outreach centre which monitors and assesses these outreach program
  38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department
- STRENGTHS**
1. Good understanding between staff and students
  2. Faculties have a broad base of expertise, specializations and an openness to share their expertise with students through advising/mentoring
  3. Competitive and rigorous and updated curriculum.
  4. Commerce Association with various activities provides like THARANG, EMPORIO etc to show case the talents.
  5. Certificate course: Department has organized a basic accounting for non-commerce students.

#### WEAKNESS

1. Time and resource constraint for conducting extension activities
2. New department which needs time to establish
3. Need for infrastructure facilities.

#### OPPORTUNITIES:

1. Scope for starting BBA and PG in Commerce

2. Scope for Industry –academia collaboration (CA, CPA,ACCA and CMA) and arranging guest lectures/ talks from academics/ Industry experts /internships in different companies.
3. Plan to organize National seminars / conferences / workshops in recent developments in statistics once in every academic year.
4. Strengthening departmental library by procuring more text books, peer journals and reference books.
5. Better placement services.

#### CHALLENGES:

1. Multiple colleges offering similar course in the vicinity.
  2. Attracting potential employers for the placements.
39. Future plans of the department.
- Plan to start PG course in Commerce
  - To start UG course in BBA/BBM
  - To have students exchange program with reputed national and international college/universities
  - To start more certificate courses for the benefit of student community
  - Tie ups to start other professional bodies like CMA and ACCA.
  - To have seminar for students twice/thrice in a semester.
40. Innovations introduced during this academic year which have created a positive impact on the functioning of the Department. Give details.
- Bridge course for non commerce students – enable students to perform well in midterm and final examinations
  - Remedial classes for academically weaker students – Produced best result in the examinations
  - Faculty assigned different tasks , encouraged to pursue research
  - B.Com BPS industry integrated – added practical dimension of Business Processes services..
  - Use case studies, screen subject based videos, give individual assignments, Charts, Presentations. Peer teaching in groups.
  - Industry visits to coca-cola
  - Activity based learning (Quizzes and Puzzles), Discussions and Role play
  - Guest lecturers to the students from experts from outside
41. Give the Best Practices of the department
- Encourage faculties to publish research papers, participating seminars, workshops and FDPs.
  - Discussion with faculty members before deciding change/introducing new units/ any activity
  - Intercollegiate activities organized by students to develop leadership and managerial skills
  - MOU signed with other educational agencies like TATA, Yashes Academy and others to cater to the needs of the industry.
  - MOU signed with MIT (New Zealand) to promote twinning program.
  - Commerce Association – Helping student’s community to gain knowledge in conducting various academic and other activities in emphasizing the students to build team work, confidence, personality, leadership and decision making.

## 6. EVALUATIVE REPORT OF DEPARTMENT OF COMMUNICATION

1. Name of the Department & its year of establishment

Communication, 2008

2. Names of Programmes/ Courses offered

UG: BA (Visual Communication), B. Voc (Visual Media and Filmmaking) and B. Voc (Digital Media and Animation)

MA (Journalism and Mass Communication)

3. Interdisciplinary courses and departments involved :Josephite Research Forum (JRF)

4. Annual/ semester/choice based credit system : Semester and choice based credit system

5. Participation of the department in the courses offered by other departments

Our students participate in choice based credit system (CBCS) conducted by other departments.

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)

Associate Professor - 1      Assistant Professors - 12

11. Faculty profile with name, qualification, designation, specialization

	Name of the faculty	Qualification	Designation
1.	Johnson Rajkumar	MS Com , NET	Assistant Professor UG Coordinator
2.	Parinitha Shinde	MS Com NET	Assistant Professor PG Coordinator
3.	Sathish Rajan	MSc Visual Com NET	Assistant Professor BVOC Coordinator
4.	Fr. Richard Rego	Ph.D.	Director, Research Center, Associate Professor
5.	Fr. Pradeep Anthony	MS Com SLET	Assistant Professor
6.	Swati Bandi	Ph.D.	Assistant Professor
7.	Marudhu Pandiyan	MSc Visual Com NET	Assistant Professor
8.	Ms Sahana Sarak	M.Sc	Assistant Professor
9.	Vidisha D'Souza	MS Com M Phil	Assistant Professor
10.	Nevil D'Souza	M Sc. Electronic Media	Assistant Professor
11.	Mr. Venkatesh	Media LAB	Assistant Professor
12.	Mr. Naveen B	M.Sc	Assistant Professor
13.	Mr. Ajay Chandran	M.Sc	Assistant Professor

Percentage of classes taken by temporary faculty – programme-wise information

UG: BA (Visual Communication) – 8.3%

BVOC

PG: 18%

9. Programme-wise Student Teacher Ratio

PG 30:1 ; UG 50:1

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled  
2(UG); 1 (PG)

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.: None

Questions 12-14 No response Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received: NA

13. Research facility / centre with: NA

14. Publications:

1. D'Souza, V. Understanding the Uses and Gratifications of Online News Portals in India, Book of Abstracts: ISBN 978-93-82305-76-7 2015
2. Arakal, F. Media Ethics and Social Responsibility ISBN 978-81-7086-697-8 2014
3. Rego, R Casteism in Girish Kasaravalli's Films, Journal of Creative Communications, Sage, October 2013. ISSN 0973-2586

15. Details of patents and income generated: None

16. Areas of consultancy and income generated

Video and Photography. Service based

17. Faculty recharging strategies

Presenting papers, organizing conferences, academic meetings, attending seminars and workshops  
 1.Reg R. & Srimathi, P. (2017). Role of Media in Building Democratic Society: A case study of the news coverage of Burhan Wani killing in Kashmir, at the National Conference held at Gujarat Vidyapith, Ahemdabad, 20-21 Jan. 2017.

2.Rego, R. (2017). Communalising the National, Politicising the Communal: Framing Communities in Nakul Singh Sawhney's Muzaffarnagar Baaqi Hai, at the International Symposium held at Central University of Kerala, Kasargod, Mapping 21st Century Indian Political Documentary Film - Discursive & Formal Trajectories. 14-16 Feb. 2017.

19. Student projects

Students have done projects in Film, Photography, Design/Branding, Web Design, Magazines and Public Relation Events

Name of the student	Achievement/Recognition	Year
Prantik Deshmukh	Special Mention Award, National Students' Film Award (Government of India)	2013
Sarah Thomas	Best Documentary Film, Rolling Frames International Film Festival.	2014
Syed Usman	Official Selection, International Documentary and Short Film Festival of Kerala, Mumbai Women's International Film Festival	2014
Aiman Salman, Sumit Dasgupta, Santhosh Chandrashekar	Best Cinematography, Rolling Frames International Film Festival.	2016
\	Official Selection, International Documentary and Short Film Festival of Kerala	2016
Raunak Hazarika	Campus Diaries, Most Talented Young Changemakers	2016
Sreerag Krishna	Young Filmmaker Fellowship, Media Collective	2016

20. Awards / recognitions received at the national and international level by  
 o Faculty

Name of the Faculty      Achievement/Recognition

1.Johnson Rajkumar      Certified by National Film Archive of India and International Federation of Film Archive, Belgium on Film Preservation and Restoration Named among the top 25 'Teachers Transforming the Landscape of Education' in India by the magazine, Campus Diaries, 2016

2.Selected to work on a documentary film under the film funding project supported by Films Division, Ministry of Information & Broadcasting, Government of India. Out of an 167 proposals received from across the country, 9 films have been selected.The issue is the role of women organization in patriarchal society of Manipur. The funding of 3.3 lakhs includes for research, production and post production of the film

21. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Sno.	SEMINARS/WORKSHOPS/CONFERENCES	YEAR	Source of funding
1	National Conference on Media and Social Responsibility	2013	UGC
2	National Conference on Media Challenges in the age of Globalization and Digitization	2014	Sponsors

22. Student profile course-wise:

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

NET :2:

24. Student progression

Student progression	Percentage against enrolled
UG to PG	20%
PG to M.Phil.	3%
Ph.D. to Post-Doctoral	-
Employed Campus selection	16%
Employed Other than campus recruitment	90% (Industry) 5% (Teaching and Others)
Entrepreneurs	5%

25. Diversity of staff

Staff who have joined the department from 2012-2016

Percentage of faculty who are graduates of the same parent university	37.5% (6/16)
Percentage of faculty who are graduates from other universities within the State	6.25%(1/16)
Percentage of faculty who are graduates from other universities from other States	56.25% (9/16)

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:

One

27. Present details about infrastructural facilities

a) Library: Common Library one for UG and one for P

b) Internet facilities for staff and students: Available

c) Total number of classrooms

Courses	No. of Class Rooms
BA (Visual Communication)	3
B VOC (Digital Media and Animation)	3
B VOC (Visual Media and Filmmaking)	3
MA (Journalism and Mass Communication)	2
Total	11

d) Class rooms with ICT facility

Courses	No. of Class Rooms
BA (Visual Communication)	3
B VOC (Digital Media and Animation)	3
B VOC (Visual Media and Filmmaking)	3
MA (Journalism and Mass Communication)	3
Total =	11

e) Students' laboratories

UG: BA (Visual Communication): 1 Lab, 1 Audio Visual Studio

BVOC: 1 Animation Lab and 1 Cinema Studio

PG: 1 Lab, 1 TV Studio, 1 Audio Studio

f) Research laboratories: NA

g) Number of students of the department getting financial assistance from College.

Not available with the department

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology: No

30. Does the department obtain feedback from:

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it? Yes. Board of studies (BOS) meeting, incorporating the suggestions in our curriculum.

b. students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same? No

c. alumni and employers on the programmes and what is the response of the department to the same? No

31. List the distinguished alumni of the department (maximum 10)

1. Terrina Jairaj, Senior Sub Editor, The Hindu
2. Hrithik Bagade, Business Correspondent, Deccan Herald

3. Govind Menon, Corporate Communication Specialist, Microsoft India
4. Shoiab Urmi, Reporter, The New Indian Express
5. Aishwaraya Jayasimha, Radio Jockey, Radio Mirchi
6. Pavan Kumar Patil, Correspondent, TV9
7. Sarah Thomas, Producer, Stom Production
8. Abhimanyu Sen, Sports Correspondent, CNN News18
9. Derek Francis, Reuters
10. Roshan Slyvetser, Assistant Professor, Jyothi Nivas College, Bangalore.

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

Date	Name of the Speaker	Designation	Title
2014	Mr Royston Rebello	Corporate Communication	'How to succeed in the corporate realm'
	Mr Vivek Pinto		
2014	Jayadevan P. K	Editor of <i>nextbigwhat.com</i>	Journalism 2.0
2014	Clifford Pereira	Director, TV9 Network	Broadcast journalism
2014	Mr Siddharth Sinha	Film maker	Ideation and Film
2014	Dr Nagesh Narayana	Managing Editor, IBT	Digital and Business Journalism
2014	Mr Saad Khan	Film Director	Bollywood and challenges in going against conventional Hindi cinema
2014	Mr Tenzin Tsundue	Poet/Activist	Poetry of Resistance
2014	Mr Manohar Ranganathan	Human Rights Activist, SICHREM	Applying a Right to Information (RTI) report and the relevance of the act
2014	Mr Amudhan R.P	Filmmaker	Caste Issues and Film
2014	Mr Sharath	Deputy Superintendent of Police, Cyber Crime Branch	International Media Ethics Day
2014	Mr Na Vijayashankar	Director of Cyber Law College	International Media Ethics Day
2015	Mr. Sugata Srinivasaraju	Editorial director of Asianet News Network Pvt Ltd	Reporting and Editing Workshop
2015		Special Correspondent, Hindustan Times	Reporting
2015	Mr. Sudipto Mondal	International Business Times	Reporting
2015	Mr. A Varghese	Sub Editor, Deccan Chronicle	Newspaper Editing
2015		Environment Journalist	Production Management and Script to Direction
2015	Ms. Terrina Jairaj	Dean, Indian School of Communications & Reputation for Post-Graduation (SCoRe)	
2015	Mrs. Marianne Furtado De Nazareth	Film director	'Film editing basics'
2015	Mr. Amit Prabhu	Editor, Kannada film industry	A workshop on 'Underwater Photography'
2015	Mr. Keerthi Kumar	Photographer	A workshop on Typography Design
2015	Mr. Santosh	Graphic Designer	Creative Copy Writing
2015	Anup Joseph	Executive Creative	Advertising

	Kattukaran	Director, Orchard Advertising	
2015	Sel Gee Kim	Editor in Chief, International Business Times, UK	Digital Journalism
2015	Vinor Eshwer	CEO, PR Hub	The future of PR is not PR
2016	John Crowley	Technical Writer, Intel	Technical Writing
2016	Xavier Prabhu	Art Director, Stirred Creative	Film Screening and Discussion on Workers Union
2016	Sanjana Bhatt	Filmmaker	Film Screening and Discussion on U-Turn
2016	Pawan Kumar	Filmmaker	

33. List the teaching methods adopted by the faculty for different programmes.

Ans: ICT, Quiz, field-trips, industrial visits, research, projects and Film Screening

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

Analyze the results and constant mentoring of academically poor students.

35. Highlight the participation of students and faculty in extension activities. Give details.

Take part in outreach programs

Question 36 to 40 no response.

## 7. EVALUATIVE REPORT OF DEPARTMENT OF COMPUTER SCIENCE

1. Name of the Department & its year of establishment :1987

Department of Computer Science

UG: B.Sc 1987, BCA 2001 PG: M.Sc 2007

2. Names of Programmes / Courses offered

Undergraduate:

B.Sc: Mathematics, Electronics, Computer Science (MEC)

Physics, Mathematics, Computer Science (PMC)

Bachelor of Computer Application (BCA)

Post graduate

M.Sc (Computer Science)

3. Interdisciplinary courses and departments involved :

PG: Optional papers

Open Elective: Web Design

Departmental Elective: Computer Architecture and Mobile communication

4. Annual/ semester/choice based credit system

UG: Semester system including one choice based credit course

PG: Semester system including one choice based credit course

5. Participation of the department in the courses offered by other departments:

Students graduating in Computer Science and application pursue a Choice based credit course and Certificate Courses offered by other departments.

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)

Category	Sanctioned	Filled
Professors	N/A	N/A
Associate Professors	1	1
Asst. Professors	13	13

7. Faculty profile with name, qualification, designation, specialization.

Sl No.	Name	Designation	Qualification	years experience
1	Dr.M.N.Nachappa	Asso Prof And HOD	Msc ,SLET,M phil,Phd	23years
2	Ms Mary Merlin Rani	Asst Prof	MCA,MPhil	9
3	Ms Sandhya N	Asst Prof	MCA,MPhil	8
4	Ms Mrinmoyee Bhattacharya	Asst Prof	MCA,MPhil	9
5	Ms Banu	Asst Prof	MCA,MPhil	8
6	Mr Prasad Cn	Asst Prof	MCA	6
7	Ms Bojamma A.M	Asst Prof	BE,MSC	6
8	Mr Arunodhayan Sam Solomon	Asst Prof	MSc	5
9	Ms Shashikala D	Asst Prof	MCA,MPhil	4
10	Mr Selwyn Paul	Asst Prof	MSc	3
11	Ms Jayathi Bhadra	Asst Prof	MCA,MPhil	2
12	Ms Nithya M	Asst Prof	MCA,MPhil	1
13	Ms Aparna M.C	Asst Prof	MSc	1

8. Percentage of classes taken by temporary faculty – programme-wise information -NIL

9. Programme-wise Student Teacher Ratio

Undergraduate: B.Sc: 70:1

BCA: 65:1



Post graduate: M.Sc: 35:1

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled: Nil

11. Number of faculty with ongoing projects

(i) National: 1

(ii) International funding agencies: No

(iii) Total grants received- Rs 65,000

Mention names of funding agencies and grants received project-wise.

List of ongoing projects for the period 2016-17

Name	Project title	Funding agency	Duration	Period	Amount
Ms Banu	A Study To Evaluate The Acceptance Of Integration Of Crypto-Currency Into Ewallet By The Entrepreneurs Of Bangalore Metropolitan City	UGC	1	2016-17	65,000
Total					65,000

List Of Completed Projects For The Period 2012-16

Name Of Faculty	Project Title	Funding Agency	Duration	Period	Amount
Dr.M.N.Nachappa	Multi Algorithm Approach For Taxonomical Identification Of Plant Species	UGC	1	2012-13	1,00,000
Ms Mrinmoyee Bhattacharya	Multimodal Route Planning Using Improved Generic Algorithm	UGC	1	2014-15	60,000

12. Departmental projects funded by DST-FIST; DBT, ICSSR total grants received: NIL

13. Research facility / centre with:

State Recognition: No

National Recognition: No

International Recognition: No

14. Publications: 2012-16 only with ISSN ISBN

- Nachappa, M. N. (2012) A Study On Multimodal Biometric Systems And Taxonomic Identification Of Plant Species, International Journal Of Advanced Computer And Mathematical Sciences. [ISSN 2230-9624](#). Volume 3, Issue 2, 2012, Pp 250-256 (IC Value 3.45)
- Nachappa, M. N., Bojamma, A. M., Nithya, B. N., & Prasad, C. N. (2013), Biometric Security Systems, International Journal Of Inventive Engineering And Sciences(IJIES), [ISSN 2319-9598](#), Volume 1, Issue 3, February 2013, Pp 32-38
- Nachappa, M. N., (2012) VALIDATION OF VACCINE CANDIDATE FOR H1N1 INFLUENZA BY USING BIOINFORMATICS TOOLS, World Research Journal Of Computer-Aided Drug Design, [ISSN: 2278-5612](#) Volume 3, Issue 2, 2012, Pp.-38-42.
- Nachappa, M. N., Rani, M. M., Bhattacharya, M. (2012), Powervm, The Server Virtualization Without Limits, International Journal Of Management & Information Technology(IJMIT) [ISSN: 2320-5687](#) & [E-ISSN: 2320-5695](#), Volume 1, Issue 1, 2012, Pp.-13-19.
- Nachappa, M. N., Anita, S., & Banu, M., A Prominent Solution To Test Academic And Scientific Integrity Using LSA, International Journal Of Inventive Engineering And Sciences (IJIES) [ISSN: 2319-9598](#), Volume 1, Issue 4, March, Pp.-1-5.
- Nachappa, M. N., Sashikala, D., Melwin, Y., Solomon, A. S., (2013), A Survey Of Compression Techniques, International Journal Of Recent Technology And Engineering (IJRTE) [ISSN: 2277-3878](#), Volume-2, Issue-1, March 2013, Pp. 152-156, IP 1.0
- Nachappa, M. N., Banu, M., Solomon, A. S., Paul, S. (2014), Electronic Wallet: Effective Search Enabling Complete View Of Personal Information M.N. International Scientific

Journal On Science Engineering & Technology Volume 17, No. 05, June 2014, ISSN: 6814-4794 @ ISJSET

8. Nachappa, M. N., Bojamma, A. M., Prasad, C. N., Nithya, M. (2014), Automatic Speaker Verification System, International Journal Of Research Studies In Computer Science And Engineering (IJRSCSE) Volume. 1, Issue 3, July 2014, PP.26-33 ISSN 2349-4840 (Print) & ISSN 2349-4859 (Online) [Www.Arcjournals.Org](http://www.arcjournals.org)
9. Nachappa, M. N., Bhattacharya, M., Shashikala, D., Rani, M. M., (2014), Genetic Algorithms And Its Application In Biometric Authenticating System, Journal Of Environmental Science, Computer Science And Engineering & Technology JECET; June 2014-August 2014; Sec. B Vol.3.No.3, ISSN: 1436-1444. E-ISSN: 2278-1799
10. Nachappa, M. N., Bojamma, A. M., Prasad, C. N., Bhadra, J. (2014), An Insight To Steganography, International Journal Of Innovative Science, Engineering And Technology (IJSET) Volume. 1, Issue 10, December 2014, PP 29-42. ISSN 2348-7968 (Print)
11. Bojamma, A. M., Prasad, C. N., Nithya, M. (2014), AN OVERVIEW OF BIOMETRIC SYSTEMS, International Journal Of Computer Science And Engineering And Information Technology Research (IJCEITR) Volume. 3, Issue 2, June 2013, ISSN 2249-6831
12. Sandhya, N. (2014), Classification Problem In Text Mining, International Journal Of Innovative Research In Advance Engineering (IJIRAE) Volume. 1, Issue 8, Feb 2014, ISSN 2349-2163
13. Sandhya, N. (2014), Search On Web- From Classical Web To Semantic Web. International Journal Of Science And Modern Engineering (IJISME) ISSN: 2319-6386, Volume-I, Issue-IV
14. Nachappa, M. N., Bojamma, A. M., Aparna, M. C. (2015), Multimodal Biometrics :A Study Of Fusion Methods, International Journal Of Trend In Research And Development (IJTRD), ISSN: 2394-9333
15. Details of patents and income generated NIL
16. Areas of consultancy and income generated NIL
17. Faculty recharging strategies:

Faculty	Resource Person	Seminars attended	Paper presented	BOS Member
Dr. M.N Nachappa	5	11	10	6
Ms. Mary Merline Rani		1	1	1
Ms. Mrinmoyee		3	3	1
Ms. Banu		5	3	3
Ms. Sandhya N		3	6	1
Mr. Prasad C N		5	3	1
Ms. Bojamma M		5	4	1
Mr. Arunodhayan Sam Solomon	1	4	4	1
Ms. Shashikala		4	2	1
Mr. Selwyn Paul		1	1	1
Ms. Jayanthi Bhadra		2	1	1
Ms. Nithya B		3	6	1
Ms. Aparna C		1	1	1

18. Student projects/participations

- Second year post graduate students have done internship in collaboration with various reputed companies such as INFOSYS, Wipro, DRDO etc. during their fourth semester.
- Second year post graduate students have done online certificate courses.
- Post graduate students were given an opportunity to teach foundation courses for the UG students (2014-15).
- All the final year BCA and B.Sc students have actively worked with projects.

- Final year B.Sc students (2016-17) worked with a project which was a part of the college website.
- UG students have submitted term papers related to advanced concepts in the field of computer applications.
- 68 students have completed their dissertation between 2014 and 2016 in various topics.
- Students of post graduate and under graduate have attended various seminars and conferences during 2014-2016.

13. Awards / recognitions received at the national and international level: NIL

20. Seminars/ Conferences/Workshops organized and the source of funding (national / International) with details of outstanding participants, if any.

Year	Seminars/Workshops/Conferences (State, National and International) - Title	Date of the Event
2012-2013	National workshop on Bioinformatics Techniques in Drug Designing	19 <sup>th</sup> and 20 <sup>th</sup> January 2012

22. Student profile course-wise:

Course	Year	Female	Male	Grand Total
BCA	2012	34	30	64
	2013	28	37	65
	2014	26	43	69
	2015	24	42	66
	2016	20	47	67
B.Sc. [PMC]	2012	26	34	60
	2013	26	42	68
	2014	22	38	60
	2015	31	38	69
	2016	21	46	67
B.Sc. [MEC]	2012	20	29	49
	2013	19	36	55
	2014	8	12	20
	2015	12	22	34
	2016	9	32	41
MSc Comp Science	2012	22	10	32
	2013	18	17	34
	2014	10	17	27
	2015	23	10	33
	2016	19	16	35

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

State civil services – No information      NET-1      Defence-1

24. Student progression

UG to PG - 35%, PG to M.Phil- no information, PG to PhDs- no information, Ph.D. to Post-Doctoral – no information

Employed

Campus selection      64 - 42 students

Other than campus recruitment: direct recruitment:      passed out students are employed in public sector bank, private banks.

Most of the students are working as Assistant professors in reputed colleges.

Entrepreneurs- 10-23 students

25. Diversity of staff: Percentage of faculty who are graduates Same University, Other universities within state, other universities other states

	Faculty name	Graduation	Same university	Other universities within state	Other universities other states
1.	Dr. Nachappa M	Mysore	-----	Mysore University	Mysore University
2.	Ms. Mary Merline Rani	Tamil Nadu	-----	Bharathidasan University	Bharathidasan University Trichy
3.	Ms. Ms. Mrinmoyee		-----	-----	University of Burdwan
4.	Ms. Banu	Tamil Nadu	-----	Bharathidasan University	Bharathidasan University Trichy
5.	Ms. Sandhya	Tamil Nadu	-----	Bharathiyar	Coimbatore
6.	Mr. Prasad	Mysore	-----	Mysore University	Mysore University
7.	Ms. Bojamma	Tamil Nadu	-----	Bharathiyar University	Bharathiyar University
8.	Mr. Arunodhayan Sam Solomon	Bangalore University	Bangalore university	-----	St. Joseph's college Bangalore
9.	Ms. Shashikala D	Tamil Nadu	-----	Bharathidasan University	Bharathidasan University Trichy
10.	Ms. Selwyn Paul	Bangalore University	Bangalore university	-----	St. Joseph's college Bangalore
11	Ms. Jayati Bhadra	Delhi	-----	IGNOU	IGNOU
12	Ms. B Nithya	Tamil Nadu	-----	Madurai Kamaraj University	Madurai Kamaraj University
13	Ms. Aparna M C	Bangalore University	Bangalore university	-----	St. Joseph's college Bangalore

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period- None

27. Present details about infrastructural facilities

a) Library: UG and PG department library

b) Internet facilities for staff and students: Yes

c) Total number of class rooms: PG: 2 UG: 8

d) Class rooms with ICT facility: PG: 2 UG: 10

e) Students' laboratories: PG students use the computer science lab for research methodology classes

f) Research laboratories: Not applicable

28. Number of students of the department getting financial assistance from College- avail different scholarship?

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

- Three new subjects were introduced as open elective and as departmental elective.
- Eight certificate courses have been conducted by the department for the students
- BOS meeting is conducted to update the syllabus and also to introduce advanced subjects.
- Departmental meetings and discussion were conducted in order to clarify the performance of the students in their academic aspects.
- Extra classes for the slow learner students were also conducted for the improvement of their skills and knowledge.
- All the students of final year were guided for their projects and term papers by the faculties.

30. Does the department obtain feedback?

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

Yes feedback is taken from students by analyzing examination results, assignment quality and term paper quality and informal discussion with students. The responses when ever feasible are converted into actions.

b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

The question paper pattern was restructured on the basis of feedback obtained. organizing remedial classes, encouraging peer teaching, conducting mock examination, and offering a workshop on writing a term paper. Assignments are given to meet their individual learning needs.

c. Alumni and employers on the programmes and what is the response of the department to the same?

Having an Alumni member in the Board of Studies has contributed to getting insights into the past syllabus and their suggestions on teaching methodology and assignments have been taken and put to practice.

31. List the distinguished alumni of the department (maximum 10) no response

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

The department organizes several guest lecturers from specialist in different fields of economics and other subjects having interdisciplinary approach.

	Year	Event	Topic	Resource Person
1.	2013	seminar	“Requirements of the Computer Industry	Mr. Shrinath
2.	2013	seminar	“Cloud Computing”	Mr. Kumar and Mr. Neil
3.	2013	seminar	“Advanced Java and its Applications”	Mr. Joy
4.	2013	seminar	“Networking and Cisco Certification”	Mr. Abhay
5.		seminar	“Virtual Class room”	Professor Timothy
6.	2014	seminar	Open source technology	Mr. Vinay and Ms. Rajini kulkarni
7.	2014	seminar	Object Oriented Programming using C #	Mr Fardin Ahmadi
8.	2014	seminar	Hypertext Preprocessor (PHP) and Ruby on Rails (ROR	Mr. Saurabh, Mr. Kannan
9.	2014	seminar	“Interactive Digital Media”	Professor Glenn Strong
10.	2014	seminar	“Higher Courses in Computer Science”	Professor Santosh Rebello
11.	2014	seminar	Basic Communication Skills	Mr. Ravi
12.	2014	seminar	“Computer Aided Design”.	Mr. Stephan, Miss. Sathyabama, Latha, Mr.Jennish
13.	2014	seminar	“Gaming and Animation”.	Mr. Satish
14.	2014	seminar	“Opportunities & Trends in the Animation, Visual Effects & Gaming Industry”	Mr Subramanya MN
15.	2014	seminar	“Solving polynomial equations using Computer algebra”.	Prof. Dr. Martin Kreuzer
16.	2014	workshop	new technologies in the field of computers	Ms Aparna M C, Mr Fardin, Mr Charles

33. List the teaching methods adopted by the faculty for different programmes.

- UG and PG students are encouraged to use INFLIBNET, which enables them to access and review research articles in reputed journals for individual assignments.
- Microsoft Powerpoint, Excel etc. are used for effective delivery of lectures.
- Effective simulation software in practical classes was used.
- Application oriented problem solving is included in the classes.

- PG students are trained to conduct lectures for foundation courses.
- UG, PG students are given opportunities to present their assignment topics as PPT presentation in class.
- Students are encouraged to involve in Research Publications.

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

Advanced teaching methodologies, standardized format of assignments, presentations and discussion are done in the classes to monitor the student's knowledge about the related topics, students are encouraged to actively participate in intercollegiate competitions and win prizes. Students are guided to be confident in research by including dissertation as a part of the curriculum.

35. Highlight the participation of students and faculty in extension activities.

All students attend the college Outreach Program.

36. Give details. State whether the programme/ department is accredited/ graded by other agencies.

According to "INDIA TODAY 2014" survey, our department secured 5<sup>th</sup> position in India.

37. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

a) Strengths

- Our unique culture that has distinguished the Department of Computer Science since its inception i.e., an open and collaborative culture in which we invest in and support one another.
- Experienced HOD supports the staff to achieve excellence.
- Student- Teacher relationship is very healthy.
- All the faculties involve in publishing papers in Journals.
- Dedicated and committed faculty with good experience.

b) Weakness

- Lot of Clerical work of college being handled by the teaching staff, there by affecting the efficiency of the teachers.
- No Financial Support from college for faculty's continues learning and also attending technical training workshops to update themselves with the knowledge of new software.
- Wi-Fi speed not adequate
- Campus recruitment for the PG students is not satisfactory.

c) Opportunities

- Demand to start one more batch for the BCA students as there are large numbers of students opting for BCA course during the admissions.
- Opportunity to start MCA course which is very much in demand according to industry standards.
- To collaborate with other Jesuit colleges across the world.
- To get the support of the ALUMNI regarding placements and Industrial Interaction.

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d) Threats

- Insecurity regarding Job policy.
- Quality of the students.
- Policy of salary of Professional courses with respect to other Colleges/ Educational Institutes
- Management – Staff relationship and Trust.
- Other market oriented Colleges.

38. Future plans of the department.

- To collaborate with AAHANA system to provide certificate course of advanced programming languages and web technologies.
- To sustain and enhance the results by providing students more orientation towards examination papers by working out and solving question bank.
- Introducing more value added courses
- Organize more seminars and conferences related to modern technologies

- Upgrading UG and PG library
- Increase fund allocation for the department
- Increase Industrial Visits and Company exposure
- Provide training opportunities for teachers to upgrade technical skills
- Collaborate with other colleges/Universities to expose our culture to them and vice versa
- Provide Teaching opportunity for the PG students to handle different courses
- Provide support for PhD, NET and SLET coaching
- Start new courses such as MCA, M.Sc(IT) which are in demand

39. Innovations introduced during this academic year which have created a positive impact on the functioning of the Department. Give details.

As per “INDIA TODAY 2014” survey, our department secured 5<sup>th</sup> position in India.

40. Give the Best Practices of the department.

- Promoting student summer internship/fellowship.
- Guiding students to present papers at regional/state/national level seminars.

Catering to advanced/average/slow learners through appropriate learning strategies.

## 8. EVALUATIVE REPORT OF DEPARTMENT: ECONOMICS

1. Name of the Department & its year of establishment

Department of Economics:1882

UG: 1882 UG (EMS):2010 PG: 2006

2. Names of Programmes / Courses offered

Undergraduate: B.A.

History- Economics- Political Science (HEP)

Economics -Political Science -Sociology (EPS)

Industrial Relations- Economics – Sociology (IES)

Communicative English-Political Science-Economics (CPE)

B.Sc. Economics-Mathematics-Statistics (EMS)

Post graduate M.A (Economics)

3. Interdisciplinary courses and departments involved :

PG : Optional papers

(i) Comparative Politics : Political Science Department

(ii) Business Journalism: Department of Media Studies

(iii) Human Resource Management : Trained Department Faculty

(iv) Computer programming : computer sc dept

4. Annual/ semester/choice based credit system

UG : Semester system including one choice based credit course

PG: Semester system including one choice based credit course

5. Participation of the department in the courses offered by other departments:

Students graduating in Economics pursue a Choice based credit course and Certificate Courses offered by other departments.

6. Number of teaching posts sanctioned and filled (Associate Professors/ Asst. Professors)

Category	Sanctioned	Filled
Professors	N/A	N/A
Associate Professors	2	2
Asst. Professors	6	6

7. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

	Name of the Faculty	Qualification	Designation	Specialization	years of experience
1.	Dr.Subhashini Muthukrishnan	M.A, M.Phil, PGDHRM, PhD	AssoProf & Head of Dept of Economics, Dean of Social Sciences	Human Resource Economics Environmental economics	31
2.	Mr. Clement D'Souza	M.A, M.Phil	Asso Prof & Vice Principal(Humanities)	Econometrics & Quantitative Economics	25 years
3.	Ms. Anita Noronha	M.A, M.Phil,NET	Asst Professor	Public Economics and Statistical Economics	14 years
4.	Mr. Keshav Murthy	M.A, KSET	Asst Professor	Agricultural Economics and International Trade	7 years
5.	Dr. Manojit Bhattacharjee	M.A, PhD, NET	Asst Professor & PG co-coordinator	Development Economics & Macroeconomics, Applied Econometrics	5years 4 months
6.	Ms.Nikitha K R	M.A	Asst Professor	Financial Economics	1 year & 6 months



7.	Ms.Treesa Joy	M.A, NET	Asst Professor	Development Economics	6 months
8.	Mr Nilesh Kumar	M.A, NET	Asst Professor	Development Economics	6 months
Faculty left					
9.	Dr Latha Radhakrishnan	M.A, PhD	Associate Prof	Public finance	30 years
10.	Dr Ayayendu Sanyal	M.A, PhD, NET	Assistant Professor	Public finance	2 years
11.	Mr. Anirban Kundu	M.A , M.Phil (PhD)	Assistant Professor	Computable general equilibrium	1 year & 6 months

8. Percentage of classes taken by temporary faculty – programme-wise information: 5 %

9. Programme-wise Student Teacher Ratio

Undergraduate: BA: 80:1                      B.Sc: 34:1

Post graduate: MA: 10:1

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled: Nil

11. Number of faculty with ongoing projects

a) National: 3

b) International funding agencies: No

c) Total grants received- Rs 2,00,000 College of excellence ,Rs. 8,85,000 ( Ongoing Projects) & Rs. 13,06,955 (Completed Projects)

d) Completed Projects: 5

Mention names of funding agencies and grants received project-wise.

List of ongoing projects for the period 2012-16

Name of faculty	Project title	Funding agency	Duration	Period	Amount
Mr. Clement D'Souza	Household Savings pattern of garment works in Karnataka	UGC	2	2015-17	85000
Mr.Keshav Murthy	Agricultural Schemes and their impact on the agrarian families of minorities and socially vulnerable groups.	ICSSR	2	2014-16	700000
Dr. Ayanendu Sanyal(LEFT)	A Study of Civil Service Pension Reforms in Karnataka and Kerala funded by University Grants Commission	UGC	2	2014-16	100000
TOTAL					8,85,000

List of completed projects for the period 2012-16

Name of faculty	Project title	Funding agency	Duration	Period	Amount
Dr. Subhashini Muthukrishnan	Financial Inclusion In Urban And Rural Bangalore	UGC	2	2013-15	105000
Mr. Keshav Murthy	Financial aspects of Gram Panchayath in Karnataka.	UGC	2	2013-15	85000
Dr.Subhashini Muthukrishnan	Supply And Demand Of Quality In Higher Education In Karnataka	ICSSR	2	2014-16	1000000
Dr. Manojit Bhattacharjee	Study of Informal Credit Market in the context of Economics Reforms	UGC	2	2014-16	116955

TOTAL	13,06,955
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Collaborative project

Dr. Manojit Bhattacharjee (in collaboration with Prof Meenakshi Rajeev, ISEC) placed at ISEC	Mapping of Farm and Nonfarm linkage in Rural India	ICSSR	2	2014-16	1500000
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12. Departmental projects funded by DST-FIST; DBT, ICSSR total grants received: NO

13. Research facility / centre with:

State Recognition: No

National Recognition: No

International Recognition: No

14. Publications: 2012-16

Articles:-

1. Muthukrishnan Subhashini(2016) What do college students perceive as quality of higher education, university news, Vol 54 no 41, [ISSN 0566-2257](#)
2. Mukherjee Tania and Muthukrishnan Subhashini(2014) Female Migration and Role of Education: A Comparative Study, Asian Academic Research: Journal of Social Science and Humanities Vol:1, Issue: 27, September [ISSN: 2278-859X](#).
3. Muthukrishnan Subhashini(2012) Shiksha Parikshan aur Aay: Benagloru nagar ke binarman kshetra ka adhyan, NEUPA, Vol 19, issue 2, August 20,2012; [ISSN: 0972-7515](#) (Hindi)
4. Muthukrishnan Subhashini (2012) Gender wage gap in formal industrial sector in ACRM Journal of Business and Management Research March. [ISSN: 0973-3523](#).
5. Noronha, Anita(2014) Ecotourism in India- Challenges and Role in Sustainable Development Horizon, International Journal of Tourism research, September 2014, [ISSN 2349-0624](#). pp 9-13
6. Noronha, Anita(2015) Democratic Participation and Empowerment: Case of Employment generation programmes in Karnataka, KILA Journal of Local Governance Vol 2, No.1, January-June 2015, [ISSN 2319-930X](#). pp 57-66
7. Murthy, Keshav (2016) "How have rural women self empowered through agricultural trades? Some reflections from Karnataka". Journal of Rural Development vol. 34. No.(4) pp.475-491, 2016, National Institute of Rural development, Hyderabad. [ISSN 0970-3357](#).
8. Murthy, Keshav (2012)"Macro Management of Agricultural Schemes in Karnataka an assessment of Impact"-Journal of Rural Development,Vol.31 No (4) PP.435-456, 2012,NIRD, Hyderabad. [ISSN 0970-3357](#).
9. Bhattacharjee Manojith (2015) Loan Repayment Problem in India, Agricultural Situation in India, August 2015, [ISSN 0002-1679](#)
10. Bhattacharjee Manojith (2014)Accessibility to Credit and its Determinants: A State-level Analysis of Cultivator Households in India vol 8 (3), August 2014, Margin: the journal of Applied Economics Research (co-authored with Meenakshi Rajeev), Sage Publications, [Print ISSN: 0973-8010, Online ISSN: 0973-8029](#)
11. Bhattacharjee Manojith (2013) Modeling Loan Repayment Behaviour in Developing Countries, Applied Economic Perspectives and Policy, volume 35, number 2, pp. 270–295, 2013, Oxford University Press (co-authored with Meenakshi Rajeev), 2013, [ISSN 2040-5790 \(PRINT\), ISSN 2040-5804 \(ONLINE\)](#)
12. Kundu, A. and S. Chakrabarti (2015): 'Implication of Changing Agrarian Regime on Rural Non-farm Economy: Case of Six Major Indian States', Journal of Land and Rural Studies, Vol- 3,No.1.[ISSN no. 23210249](#).

Books:-

13. Muthukrishnan Subhashini (2015), Economics Of Environment published by Prentice Hall India Pvt Ltd ,Second edition 2015 [ISBN 978-81-203-5135-6](#)
14. Mr. Clement D'Souza, Chapter in Book"Industry academia partnership for employability" – published in the book titled soft skills and employability edited by Vinay rajath .D and Robert Clive December 2013 – [ISBN 978-81-928345-1-1](#)

15. Mr. Clement D'Souza , Chapter in Book “Working of micro finance amongst the street vendors and hawkers in Bangalore south a self-employment option”- in the book Micro finance and inclusive growth edited by Reebu Samuel 2014- – ISBN 978-81-928345-2-8
16. Ms.Anita Noronha, Chapter in Book: “Women Empowerment through Entrepreneurial Development in India” ,Women- Awakening to the Epitome of Power (2016), pp 265-273 , Serials Publications Pvt Ltd, New Delhi. ISBN: 978-81-8387-739-8
17. Bhattacharjee Manojith, Chapter in Book: Climate Change and Uncertainty in Agriculture: Does Crop Insurance Help in India? (2016) in edited book Climate Change Challenge (3C) and Social-Economic-Ecological Interface-Building—Exploring Potential Adaptation Strategies for Bio-resource Conservation and Livelihood Development by Sunil Nautiyal et.al. (Springer publications) (co-authored with Meenakshi Rajeev and BP Vani)ISBN 978-3-319-31013-8.
18. Bhattacharjee Manojith, Chapter in Book: Nature and Dimensions of Farmers’ Indebtedness in India (with Meenakshi Rajeev and B P Vani), chapter in an edited book Innovations in Rice Production by Prof. P K Shetty, MR Hegde and M Mahadevappa, National Institute of Advanced Studies, Bangalore (2013). ISBN 978-81-87663-70-6
19. Bhattacharjee Manojith, Chapter in Book : Formal-Informal Interlinkages in a Resource Constrained Economy (contributory chapter) in S. Chakrabarti Inclusive Growth and Social Change: Formal-Informal- Agrarian Relations in India, 2016 New Delhi: Oxford University Press.ISBN: 9780199466061
20. Clement D'Souza ,Editor of In House Economics journal “ Economics beyond class room exploring new boundaries “ ,2014-2015-ISBN 978-81-926007-0-3

#### Working Papers

21. Bhattacharjee Manojith (2014) Is Access to Loan Adequate for Financing Capital Expenditure? A Household Level Analysis on Some Selected States of India, ISEC Working Paper 315, 2014 (co-authored with Meenakshi Rajeev), ISBN 978-81-7791-171-8
22. Bhattacharjee Manojith (2013) Identifying Credit Constrained Farmers: An Alternative Approach, ISEC Working Paper No. 304, 2013 (co-authored with Meenakshi Rajeev), ISBN 978-81-7791-160-2
23. Bhattacharjee Manojith (2013) Credit Exclusion of the poor: A study of Cultivator Households in India, ICDD Working paper No. 8, University of Kassel, May, 2013, (co-authored with Meenakshi Rajeev) ISBN: 978-3-944090-09-2

#### Monograph

24. Bhattacharjee Manojith, Monograph: Has Revival Package improved functioning of Short term Cooperative Credit Societies? - A Case study of Madhya Pradesh. ISEC Monograph No. 28, 2012, (co-authored with Meenakshi Rajeev and Veerashekarappa)ISBN 81-7791-127-9

#### Proceedings

25. Muthukrishnan Subhashini (2015) Human Capital Needs In Manufacturing Sector, in Conference Summaries 57th annual conference of the Indian Society Of Labour Economics, October 2015 Srinagar, Kashmir.
26. Muthukrishnan Subhashini, Gokul Geetha , Sigh Niharika (2012) Labour Market Dynamics Of Retail Trade: A Study In Bangalore City” in the proceedings of the 54th Annual Conference of the Indian Society of Labour Economics. December 20-22, 2012
27. Noronha, Anita(2012) Socio economic Conditions of Coffee Plantation Workers in Kodagu District ,Meridian Vol 1 Number 2, June 2012. ISSN 2278-750X, published by Research Forum, MES Asmabi College, Kerala pp 86-92
28. Noronha Anita , “ Interrogating the Socio-Economic Patterns in Higher Education: A Critical Analysis of Globalisation and Privatisation” published in the proceedings of the UGC sponsored National Seminar on “Dynamics of Social Infrastructure in India- Emerging Issues, Prospects and Challenges” on February 23rd and 24th 2016 at Mount Carmel College, Bangalore. Pp 19-25. Excel India Publishers, New Delhi. ISBN: 978-93-8577-727-

15. Details of patents and income generated: None

16. Areas of consultancy and income generated:

Dr. Muthukrishnan Subhashini: International water management institute Project: Community Based Perceptions in Changes in Ecosystems Services –Bangalore city- Rs 200000

Dr. Muthukrishnan Subhashini: Ministry of Planning and Statistics, Govt of Karnataka, Preparation Of Human Development Report, Rs 5000

17. Faculty recharging strategies:

Faculty	Resource Person	BOS	Seminars/workshops
Dr.Subhashini Muthukrishnan	50	8	15
Mr.Clement D’Souza	13	3	3
Ms Anita Noronha			5
Dr.Manojit Bhattacharjee	9	2	5
Dr.Ayanendu Sanyal	1		2
Ms.Anirban Kundu	4		2

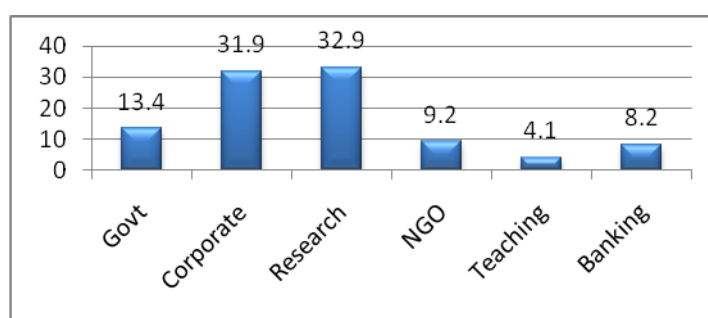
19. Student projects

- Percentage of students who have done in-house projects including inter-departmental:  
All first year post graduate students (2015-16) were involved in a project on ‘Review of Evaluation under Autonomy’, a project assigned by Controller of Examination to Dr Subhashini Muthukrishnan
- All PG students have to complete 8 weeks of internship in partial fulfillment of the course with institutes of national and international repute such as IIM, ISEC, CDS,NIAS, PMO office, IGIDR, Planning Commission Karnataka
- Some UG students have completed internships in reputed organizations like ISEC, Janagraha, TATA Steel
- Percentage of students doing projects in collaboration with industries / institutes – 1%

Distribution of PG Internships

A total of 97 students under took internships under various agencies from 2013-2016 such as govt departments, research institutes , corporate, NGO , banking and teaching , the distribution of which is shown below.

Govt	Corporate	Research	NGO	Teaching	Banking
13.4	31.9	32.9	9.2	4.1	8.2



Student dissertation: the post graduate students have completed 97 dissertations during 2012-2016 various subjects in the discipline which involved both primary and secondary data

Term papers: All teachers have guided term papers of undergraduate students during 2012-2016

20. Awards / recognitions received at the national and international level by

- Doctoral / post doctoral fellows – none
- Students: students have been able to get internships in National Level Research Institutions. They have won several prizes in intercollegiate/ and national level competitions.

YEAR	DEPARTMENT	ACADEMIC ACHIEVEMENTS OF THE STUDENTS
2011-12	UG Economics	Divya Roseline David -Masters from Oxford University

		Nicky Lama - Young India Fellowship
2012-13	UG Economics	Dyutimoy Seal - Masters from LSE
2013-14	Post Graduate Department of Economics	Anushree N Kashyap is pursuing PhD from ISEC with V.K.R.V Rao Fellowship Jafar baig is pursuing PhD from Sujay Sathyanarayana pursuing PhD from University of Aberdeen with fellowship Deveena Chakrabarty pursuing PhD at IIT Chennai Khrimenou pursuing PhD at Nagaland university Pinak Sarkar pursuing PhD at CDS
2013-14	UG Economics	Advait Rajagopal - Masters in Economics with fellowship from the New School, US Sanjal Shastri -Masters in International Relations from LSE with fellowship Sucharita Dhar - Young India Fellowship Ashik Kabir -Masters from JNU Ashwin Prakash -MSc in Acturial Science at Heriot Watt University Abilash Kolekar - Pursuing PhD Malavika Manohar -Masters in Economics from Warwick University Sneha Shankar –masters in economics from university of Warwick
2014-15	UG Economics	Sailesh Singhal participated in the G200 youth forum held in Germany. Also, he attended summer school at London School of Economics.
2016	UG Economics	Hirvanshi Malhotra attended summer school at London School of Economics Dhrubo is pursuing Masters in Economics at Warwick University Sasha Moses is pursuing Masters in Economics at Durham University
2016	PG Economics	Received the First Prize for an Idea Pitching competition during the Changemaker Week 2016 by Ashoka India, a Social Entrepreneurship Group. The M.A. Students were awarded the best contingent at Altius, National level Economics fest, Christ University

21. Seminars/ Conferences/Workshops organized and the source of funding (national / International) with details of outstanding participants, if any.

Year	Seminars/Workshops/Conferences (State, National and International) - Title	Date of the Event
2012-2013	UGC Sponsored national seminar on teaching the social sciences	29-30 <sup>th</sup> November
2015-2016	UGC Sponsored National Conference on Human Capital Formation: Issues and Challenges	9 <sup>th</sup> -10 <sup>th</sup> February, 2015 Best paper prize: Bidisha Mondal, JNU
2015-2016	UGC Sponsored National Level Seminar on Financing Micro, Small and Medium Enterprises	14 <sup>th</sup> and 15 <sup>th</sup> September, 2015
2016-2016	ICSSR Sponsored One day Seminar and Advisory meet on Understanding Farm and Non Farm interlinkages in Rural India	22 <sup>nd</sup> August 2016

22. Student profile course-wise:

Name of the Course	Year	Total Applicati	Applica tions	Applicati ons	Admitted	Pass Percentage
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	ons	(Male)	(Female)		
<b>B.A(HEP)</b>					
	2012-15	91	49	42	68 (2015) 36.76
	2013-16	77	49	28	65 (2016) 49.23
	2014-17	175	115	60	NA NA
	2015-18	210	135	75	NA NA
	2016-19	233	149	83	NA NA
<b>B.A(EPS)</b>					
	2010-13	NA	NA	NA	53 (2013) 66.04
	2011-14	NA	NA	NA	64 (2014) 46.88
	2012-15	104	50	54	83 (2015) 57.83
	2013-16	94	59	35	89 (2016) 57.3
	2014-17	208	138	70	NA NA
	2015-18	247	125	122	NA NA
	2016-19	276	160	116	NA NA
<b>B.A(IES)</b>					
	2012-15	90	58	32	76 (2015) 63.16
	2013-16	79	48	31	72 (2016) 61.11
	2014-17	177	113	64	NA NA
	2015-18	194	118	75	NA NA
	2016-19	214	128	86	NA NA
<b>B.Sc(EMS)</b>					
	2012-15	32	20	12	21 71.43
	2013-16	38	16	22	35 71.43
	2014-17	124	68	56	NA NA
	2015-18	213	97	116	NA NA
	2016-19	219	124	93	NA NA
<b>B.A(CPE)</b>	2016-19	151	71	80	NA NA

PG ECONOMICS Year	Total Applications	Applications (Male)	Applications (Female)
2014-2016	89	35	54
2015-2017	88	31	57
2016-2018	70	17	53

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

State civil services -5 NET-7 Defence-1

24. Student progression

UG to PG - 40% PG to M.Phil- no information PG to Ph.D- 5% Ph.D. to Post-Doctoral – no information

Employed

Campus selection :5%

Other than campus recruitment: direct recruitment: most passed out students are employed in corporate, banks, NGOS, teaching assignments

Entrepreneurs 20-30 students

25. Diversity of staff: Percentage of faculty who are graduates Same University, Other universities within state, other universities other states

	Faculty name	Graduation	Same university	Other universities within state	Other universities other states
1.	Dr.Subhashini Muthukrishnan	Chennai	-----	-----	University of Madras

2.	Mr. Clement D'Souza	Mangalore	-----	Mangalore university	
3.	Dr. Manojit Bhattacharjee	West Bengal	-----	-----	University of Burdwan
4.	Ms. Anita Noronha	Bangalore	Bangalore university	-----	
5.	Mr. Keshav Murthy	Mysore	-----	Mysore university	
6.	Mr Nilesh Kumar				
7.	Ms.Nikitha K R	Bangalore	Bangalore university	-----	
8.	Ms Treesa Joy	Chennai	-----	-----	University of Madras
9.	Dr Latha Radhakrishnan(retired)	Kolar	Bangalore university	-----	-----
10.	Dr Ayanendu Sanyal (left)				University of Burdwan
11.	Mr. Anirban Kundu(left)	West Bengal	-----	-----	University of Calcutta
	Total		30%	20%	50%

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period- None

27. Present details about infrastructural facilities

a) Library : UG and PG department library

b) Internet facilities for staff and students: Yes

c) Total number of class rooms: PG: 2 UG: 14

d) Class rooms with ICT facility: PG: 2 UG: 10

e) Students' laboratories: PG students use the computer science lab for research methodology classes

f) Research laboratories: Not applicable

30. Number of students of the department getting financial assistance from College- avail different scholarship?

31. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

Two new courses namely, BSc.(Economics, Mathematics ,Statistics) B.A.(Communicative English, Political Science, Economics)were introduced after discussion among faculty of other Depts , BOS meeting.

31. Does the department obtain feedback?

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

Yes feedback is taken from students by analyzing examination results, assignment quality and term paper quality

and informal discussion with students. The responses when ever feasible are converted into actions.

In the PG dept new optional papers were introduced with multi disciplinarily approach human resources economics, comparative politics and business journalism , UG syllabus was redone for financial economics

b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department

to the same?

Action has been taken on the feedback by changing the question paper pattern, organizing remedial classes, encouraging peer teaching , conducting mock examination, and offering a workshop on writing a term paper. Assignments are given to meet their individual learning needs c. Alumni and employers on the programmes and what is the response of the department to the same?

Having an Alumni member in the Board of Studies has contributed to getting insights into the past syllabus and their suggestions on teaching methodology and assignments have been taken and put to practice.

31. List the distinguished alumni of the department (maximum 10)

1. Dr. Rajeev Gowda- Prof M V Rajeev Gowda is an Indian politician and academician. He is a member of parliament in the Rajya Sabha since July 2014 and a national spokesperson for the Indian National Congress. Professor of Economics and Social Sciences and the Chairperson of the Centre for Public Policy at the Indian Institute of Management, Bangalore
2. Dr. Narendra Pani- faculty at NIAS, Bangalore. member of the Task Force on Manufacturing GOK, member of the Working Group Planning Commission, New Delhi, to review the performance of the Mahatma Gandhi National Rural Employment Guarantee Act.
3. Sri. Raveendra, Former Chief Secretary to Govt. of Karnataka
4. Sri. Pradeep Arya IRS, Additional Commissioner Income Tax
5. Sri. S.G. Raveendra, Director, Doordarshan, Bangalore
6. Sri. Munindra Khaund-Director of Web services and creative services at University of Illinois Springfield.
7. Ms Iileen Soroori Elaha University of Kansas , Works at Relief International
8. Mr Vishal Gunni- S.P, Nellore Andhra Pradesh.
9. Mr Immanuel Raj- Assistant Professor ,University of Copenhagen
10. Ms Surabhi Rajagopal-LSE , Principal Analyst at SELCO Foundation

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

The department organizes several guest lecturers from specialist in different fields of economics and other subjects having interdisciplinary approach.

Year	Topic	Resource Person
2012	Education, Population and Development	Dr. Komol Singh
2012	Reading and Writing Skills	Dr. Etienne R, Associate Professor, St. Joseph's College, Bangalore
2012	Logical Reasoning and its Applications in Social Sciences	Dr. Rabbi, Associate Professor, St. Joseph's College, Bangalore
2012	Economics of Rain Water Harvesting	Mr. John Daneil
2012	Trends in Social Sector Spending	Dr. Gayathri(ISEC)
2012	Poverty line measurements and issues	Mrs. Vani(ISEC)
2012	Urban Economics: Challenges	Dr. Mahadeva(ISEC)
2012	Growth in Indian national income	Dr. Elumali Kannan(ISEC)
2013	Liberal Political Thought & Social Movements and Indian Political System	Dr. Khalid Wasim(ISEC)
2012	Changes in RBI's monetary policy	Dr. P Brijesh, Assistant Advisor to the Department of Economics and Policy Research
2012	Rural Credit	Shri. G. B Kulkarni, Deputy General Manager, Rural Planning and Credit Department, RBI
2012	Foreign Exchange Controls	Smt. Betsy Rajagopal, Assistant GM, Foreign Exchange Department, RBI
2012	Currency Management	Dr. C R Mohan , GM, RBI
2013	Overview of U & I projects	U&I(NGO) founder, Mr.Ajit Sivaram
2013	Globalization and its impact on labor: A Case study on Tata Steel	Mr. Vinay Kumar, ISEC
2013	Empirical Research: Methodological	Professor Charan Singh, IIM-B



	issues and insights into Indian economy	
2013	Career prospects	Mr. Vijay Dominic alumnus of IIM Kozhikode
2013	Discover the Power of Self Confidence	Dr. Shailaja Shastri, Professor and Head Department of Psychology, Jain University
2014	Empirical Research	Dr. Lalith Achot GKVK
2014	Valuation of Environmental Resources	Dr. Durba Biswas AITREE
2014	Social Innovation	Ms Surabhi Rajagopal and Ms Noorain from SELCO
2014	Medianomics	Mr. Sachin Tantry, HOD, Jain University, Bangalore
2014	Consumer Behaviour	Prof Usha Joyappa, HOD, Dept of Psychology, JNC, Bangalore
2014	Indian 's perception on Indian economy	Dr. Bruce Stokes
2014	Economics of infrastructure	Prof Nagesh G, Government Arts College, Bangalore
2014	FDI in retail	Mr. Kedar Vishnu, Phd scholar, ISEC
2015	Human capital theoretical	Prof Abdul Aziz , NLSUI
2015	Education as human capital	Prof Chiranjib Sen , Azim Premji university
2015	Gender Aspect Of Human Capital Formation.	Dr Manimekalai, Director of Department of Women Studies Bharartidasan University Trichi
2015	Quality- Design, Delivery And Evaluation In Higher Education	Dr Senthil Kumaran , Principal Counselor, Confederation Of Indian Industry , Institute Of Quality
2015	Training and Skill Development In the Informal Sector	Mr. Kirti Vardhana, <a href="#">Head - Consulting &amp; Products LabourNet Services India (Pvt) Ltd</a>
2015	Social Networks	Mr. Mainak Mazumdar, IIT Jodhpur
2015	Biotechnology and Economics	Dr. Madappa Mitra SJC
2015	Economics of Vaccination	Dr. Betty Daneil SJC
2016	Economics of innovation	Dr. Jyotinath Ganguly

33. List the teaching methods adopted by the faculty for different programmes.

UG and PG students are encouraged to use INFLIBNET , which enables them to access and review research articles in reputed journals for individual assignments .

- Field based learning for UG and PG for applied papers such as environment economics and for dissertation
- Case studies, screening of movies, application oriented problem solving
- Extensive use of tools like Microsoft Powerpoint, Excel etc. for effective delivery of lectures
- PG students are trained to use statistical software packages like R, STATA and SPSS
- UG, PG students are given opportunities to present their assignment topics as PPT presentation in class

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

Teaching methodologies, nature of assignments, and presentations done in class ensure that the learning objectives are met as much as possible. Student response in examinations and assignments, participation in intercollegiate competitions and winning awards indicate to their learning the subject. Their ability to secure internships and complete them successfully indicate to the objectives being met. The successful completion of PG students dissertation indicates to their ability to carry out independent research.

35. Highlight the participation of students and faculty in extension activities.

All students attend the college Outreach Program. Industrial visits are organized to visit Toyota factory, Nandhini Dairy KMF, GKVK campus.

36. Give details. State whether the programme/ department is accredited/ graded by other agencies.

Yes, the college has an outreach centre which monitors and assesses these outreach program

37. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

Strengths:

- Qualified, competent, innovative and progressive staff
- Offers optional papers in emerging and valued subjects in undergraduate Economics course like quantitative economics, Entrepreneurship, Environmental Economics, Financial Systems, Public Finance and Institutions, Basic Econometrics, Basic Statistics giving opportunity for students to pursue their higher studies in Economics
- The post graduate course offers important papers necessary for work, or for pursuing higher education in research. The course has a high level of quantitative dimension to teaching the subject. It offers students to learn computers from the first semester itself with introduction to soft ware such as R, SPSS, STATA and handle big data analysis like NSSO. The students should complete a dissertation as a part of the curriculum which uses both primary and secondary data. Besides it has a compulsory internship component for 8 weeks after the second semester students
- Research abilities are strong and there is significantly high output in research
- The department has a departmental library and has a well stocked library

Weaknesses:

- Have not been able to comprehensively harness Alumni for setting up internships and for providing placements
- Yet to set up in-house research publication facilities for journals and books
- Had only one tie ups with other research organizations(ISEC).Only one consultancy with TISS Guwhati
- No faculty member is recognized a research guide in Bangalore university
- Do not have many students presenting research papers

Opportunities:

- Tap Alumni resources by planning an alumni get together of the PG economics and UG economics
- To make college a referral centre for expertise in Econometrics
- To set up research centre for economics
- To offer diploma courses in identified areas of the discipline
- To provide training program for NET and other services like RBI staff training

Threats:

- To retain qualified and competent staff
- Major challenge to balance teaching, research and administrative work thus affecting all work
- Other colleges in the city offering post graduate course in economics
- It is quite a challenge to attract students with sound aptitude for studies in the post graduate courses.

38. Future plans of the department.

- To start a few diploma courses in Economics on weekends.
- Staff training programmes for Bank employees in collaboration with RBI.
- Explore possibilities of faculty exchange, student exchange, twinning programmes with other universities and sign MOU s in this regard.
- To offer Msc course in Economics

39. Innovations introduced during this academic year which have created a positive impact on the functioning of the Department. Give details.

- Remedial classes taken by PG students, conducting preparatory exams and valuation of answer scripts by PG
- Change in question paper pattern, has improved performance
- Introduced choice based papers
- Dissertation work divided into four component with marks for each component to facilitate work on time
- Practical classes and examination for software in research methodology course

40. Give the Best Practices of the department

- Democratic leadership and team working among faculty, recognising individuals for their performance, abilities
- Encourage faculty into research and conducting seminars
- Discussion with faculty members before deciding change/introducing new units/ any activity
- Utilization of PG students for remedial work for UG students
- Intercollegiate activities organized by students to develop leadership and managerial skills
- Presentation of internship report to both first year and second year PG ensures sharing of knowledge among all of the world of work outside
- Dissertation work divided into four component- proposal seminar, work in progress seminar and final presentation.
- Inviting research scholars from ISEC to present their findings / research to help students in research planning

## 9. EVALUATIVE REPORT OF THE DEPARTMENTS: ELECTRONICS

1. Name of the Department & its year of establishment: Department of Electronics; 1984  
 2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):

B.Sc. (Maths, Electronics, Computer Science)

B.Sc. (Physics, Electronics, Maths)

3. Interdisciplinary courses and departments involved: Nil

4. Annual/ semester/choice based credit system: Semester (V Semester), CBCS (III Semester and I Semester)

5. Participation of the department in the courses offered by other departments:

Faculty members provide help to the students of BCA, Dept. of Computer Science for completing their final project work which is majorly based on Electronics.

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)

Sanctioned Filled

Professors: NA

Associate Professors: 3

Asst. Professors: 2

7. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D./M. Phil. etc.,)

S.n	Name	Qualification	Designation	Years of experience
1	Dr. Godwin J. D'Souza	M.Sc., Ph.D.	Head, Associate Prof.	27
2	Ms. Regina Mathias	M.Sc., M.Phil.	Associate Prof.	28
3	Mr. Gregory Sequeira	M.Sc., B.Ed., M. Phil.	Associate Prof.	25
4	Dr. Bobby Mathew (on redployment)	M.Sc., B.Ed., Ph.D.	Associate Prof.	24
5	Dr. Priyanka Parmar	M.Sc., DOEACC A Level, Ph.D.	Assistant Prof.	11
6	Mr. Rajesh G.	M.Sc.	Assistant Prof.	7

8. Percentage of classes taken by temporary faculty – programme-wise information: It changes every semester according to the syllabus distribution among the staff members. The percentage for 2016 is as follows:

S.No.	Programme	Permanent Faculty	Temporary Faculty
1.	B.Sc. I SEM PEM	100%	-
2.	B.Sc. I SEM MEC	100%	-
3.	B.Sc. III SEM PEM	100%	-
4.	B.Sc. III SEM MEC	100%	-
5.	B.Sc. V SEM PEM (Paper I)	100%	-
6.	B.Sc. V SEM PEM (Paper II)	100%	-
7.	B.Sc. V SEM PEM (Paper I)	100%	-
8.	B.Sc. V SEM PEM (Paper II)	100%	-

9. Programme-wise Student Teacher Ratio:

- MEC - 22:1
- PEM – 30:1

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled: S – 02; F – 02

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.: Nil

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received: Nil

13. Research facility / centre with

o state recognition: No

o national recognition: No

o international recognition: No

14. Publications:

\*Details of staff publications are included at the end

15. Details of patents and income generated: Nil

16. Areas of consultancy and income generated: NA

17. Faculty recharging strategies:

- Faculty is encouraged to participate in seminars/workshops to have exposure to research and enhance their knowledge and skills.
- Induction programme are organized by the college for junior faculty members.
- Two faculty members attended a four day residential training programme in June, 2016 organized by the college.

19. Student projects:

o percentage of students who have done in-house projects including inter-departmental:

- 100% (One major project is mandatory for all the students of final year.)
- Over and above some of the students have made exemplary projects and won award in inter-college competitions.

o percentage of students doing projects in collaboration with industries / institutes: Nil

20. Awards / recognitions received at the national and international level by

o Faculty

o Doctoral / post doctoral fellows

o Students

21. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

1.UGC sponsored workshop on VLSI system design was organized on 16<sup>th</sup> and 17<sup>th</sup> December, 2011.

2.One day HRD workshop was conducted on 5<sup>th</sup> March, 2013 on “Zeal for Excellence.”

22. Student profile course-wise: 2016 -2017

Name of the Course	Applications Received		Selected		Pass percentage (Previous Semester)
	Male	Female	Male	Female	
B.Sc. PEM I Sem	52	20	43	15	Ongoing
B.Sc. MEC I Sem	45	10	41	07	Ongoing
B.Sc. PEM III Sem	38	10	32	08	66.66
B.Sc. MEC III Sem	29	08	22	05	70.5
B.Sc. PEM V Sem	41	18	31	13	89.47
B.Sc. MEC V Sem	40	14	32	09	80

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?:

#### 24. Student progression

UG to PG :55%

PG to M.Phil 5%.

PG to Ph.D.5%

Ph.D. to Post-Doctoral :no data

Employed

Campus selection 25%

Other than campus recruitment 5%

Entrepreneurs 5%

#### 25. Diversity of staff

Percentage of faculty who are graduates

of the same parent university: 33%

from other universities within the State : 33%

from other universities from other States: 33%

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period: 01 (Ph.D.)

27. Present details about infrastructural facilities

a) Library: Yes

b) Internet facilities for staff and students: Yes

c) Total number of class rooms: 08

d) Class rooms with ICT facility: NA

e) Students' laboratories: 03

f) Research laboratories: NA

28. Number of students of the department getting financial assistance from College.

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

The latest developments in Electronics are taken into consideration before designing a new topic. Syllabi of other renowned universities/ colleges are taken into consideration before finalizing the new syllabus. Discussions with external experts, subject experts and people from industry are held before finalizing the syllabus.

30. Does the department obtain feedback from

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

Yes, the department holds a departmental meeting every month, where teaching, learning and evaluation is discussed time to time.

b. students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

The Principal takes feedback from the students on staff as well as teaching learning and evaluation process. Along with that time to time the Head enquires the students about the teaching and learning process.

c. alumni and employers on the programmes and what is the response of the department to the same?

Feedback is taken from members of BOS which includes subject experts, industrialists and alumni. The feedback is taken into consideration and likewise the changes are made in the syllabi to keep abreast with the latest developments in Electronics.

31. List the distinguished alumni of the department (maximum 10)

S.N.	Distinguished Alumni	Designation
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1.	Mr. Satish Kumar	Police Sub Inspector, Bangalore
2.	Ms. Sindhu H L	Team Lead, Cognizant
3.	Ms. Edward Joseph	Technical Advisor, Logica CGI
4.	Mr. Sydney	Chief Editor, Deccan Herald
5.	Mr. Sujith Thomas	Product Test Engineer, Silica Labs, Singapore
6.	Ms. Gayathri	HR Team Lead, Empasis
7.	Mr. Royan	Manager, IBM, South Region and Srilanka
8.	Ms. Vidhya	Technical Advisor, IBM
9.	Mr. Lionel	Director, Uneek Events
10.	Mr. Digvijya Singh	Manager, SBI New Delhi

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

1. The department runs a UGC certificate course on Embedded Systems and Networking.
2. The department conducted a two day workshop on Machine building and automation on 1<sup>st</sup> and 2<sup>nd</sup> March, 2014 in collaboration with EVOBI.

33. List the teaching methods adopted by the faculty for different programmes.

- Chalk and duster method
- Power point presentations
- Video presentations
- Experiments based teaching
- Building projects based on latest techniques in Electronics.

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

1. Regular class tests and other activities are conducted for the students to follow up the understanding and learning out comes.
2. The department has extensive practical sessions and monitors the performance and understanding of the practical applicability of the subject throughout the session.
3. Mock tests are held before the final practical exams to make sure the students understand the subject.

35. Highlight the participation of students and faculty in extension activities:

- The department has formed an association, Josephite Electronics Technology Club. The club organizes various activities to give a platform to the students to showcase their talent and to participate in nation building.
- Every year the students of JET Club participate in society building activities, such as Tackle fest (a fest for Govt. school children), Swach bhatar abhiyan, cleaning the campus and likewise.
- The students participate in mandatory outreach programme organized by the college every semester, where they visit an orphanage, old age home, or go to places for traffic control or to a rural exposure camp.

36. State whether the programme/ department is accredited/ graded by other agencies. Give details. No

37. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

Strength	Weaknesses
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<ol style="list-style-type: none"> <li>1. Punctuality and dedication towards work.</li> <li>2. Talks conducted on recent trends and developments in Electronics.</li> <li>3. Teachers are available beyond the working hours.</li> <li>4. Teachers are actively involved in research activities which include publication of papers in reputed journals.</li> <li>5. Department got Minor Research Project.</li> <li>6. The lab facilities provided to the students as well as guidance by teachers is exceptionally good.</li> </ol> <p>Opportunities</p>	<ol style="list-style-type: none"> <li>1. All the teachers are not equipped to handle new topics and there is no provision to train them either.</li> <li>2. The student strength is decreasing as the combination does not look attractive to the students.</li> <li>3. Lack of coordination between staff members has created a negative feeling in students.</li> <li>4. Staff members need to be more dedicated in fulfilling the assigned task.</li> </ol> <p>Threats</p>
<ol style="list-style-type: none"> <li>1. Allow teachers to attend workshops on new topics with leave and financial assistance from the college.</li> <li>2. Principal should periodically interact with the staff to dispense the differences.</li> <li>3. To organize state/national workshops.</li> <li>4. To encourage the students to come up with better projects.</li> <li>5. Different methods of testing schemes need to be developed for internal/final assessment.</li> </ol>	<ol style="list-style-type: none"> <li>1. Decrease in student strength and quality of students has been a major problem.</li> <li>2. Lack of discipline among the students is a hindrance in the proper functioning of the department.</li> <li>3. The additional work entrusted to the staff is hindering the actual departmental work.</li> <li>4. Lack of coordination is not helping to achieve the academic excellence.</li> <li>5. The department must not become a small island by itself.</li> </ol>

**39. Future plans of the department.**

- To provide better lab facilities and state of the art technology.
- To conduct National/ State level workshop/seminar for teachers.
- To apply for Major and Minor Research Projects.
- To facilitate teachers to attend seminars and workshops.
- To provide hands on experience to the teachers on the new topics incorporated in the syllabi.
- To start M.Sc. (Electronics).
- To conduct state level departmental fest.

40. Innovations introduced during this academic year which have created a positive impact on the functioning of the Department. Give details.

- All the faculty members were encouraged to participate in International/National Conferences/Seminars and take up research activities seriously. Equal participation in such activities was made sure by the HOD.
- The department gave a chance to the newly recruited members to get acquainted to the functioning of the department, full support was given by the senior faculty members and it gave a productive outcome for the department along with smooth functioning of the department.
- The students were encouraged to make working electronic project and participate in inter-college exhibitions and other events. As a result the student members of JET club received many prizes and awards in such inter-college competitions along with overall winner trophy in intercollegiate fests.

**41. Give the Best Practices of the department:**



- i. The department conducts regular BOS meetings to keep abreast of the latest developments in ICT oriented classroom teaching along with other innovative methods is followed in the theory as well as practical classes.
- ii. Different types of activities are conducted under CIA which helps the students to understand the subject qualitatively.
- iii. Remedial classes are conducted for weak learners.
- iv. Mock practical tests are conducted for students before the final practical exams.
- v. Books from the departmental library are given to the needy students.
- vi. The laboratory is open for students to work in their free time.
- vii. Time to time functions are arranged to develop cordial relationship among departmental staff members.
- viii. JET club organizes various activities to give a platform to the students to showcase their talent and this also helps them in personality development.
- ix. Students are encouraged to approach teachers for solving their difficulties outside the classroom as well.

#### Publications by the Staff

1. Godwin J. D' Souza (2012), The Effect of 8 MEV Electrons on 2 N2907A PNP TRANSISTORS International Journal of Science, Environment and Technology, Vol. 1, No 5, 2012, 447 - 453 [ISSN No 2277-663X \(P\)](#) .
2. Priyanka Parmar, Pragyesh Agrawal and Rakesh Bajpai, (2015), Temperature Dependent Conductivity of Polypyrrole and Montmorillonite Composites” Ultra Scientist of Physical Sciences, Vol. 27 No (2) 2015 August [ISSN0970-9150](#).
3. Priyanka Parmar, Pragyesh Kumar Agrawal(2016)Polypyrrole/MMT Nanocomposites: A review of Synthesis and Characterization Techniques, Pariprashna, Vol X, Issue 1 &2. [ISSN 0976-7150](#)

#### Paper in Conference Proceedings:

1. Godwin J D' Souza, Co-60 irradiation effects on MOSFETs for application in communication satellites, PARIPRAJNA ACADEMIC JOURNAL ISSN 0976-7150 Vol X, Issues 1&2 Vol. XI page 317 to 325 **in** An Overview on Fault Types and Fault Tolerance Techniques, Rajesh G, Dr. Chirag Sharma, **Place** : National conference at Basaveshwara First Grade College.

## 10. EVALUATIVE REPORT OF THE DEPARTMENTS: ENGLISH

1. Name of the Department & its year of establishment - ENGLISH, established 1882.
2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

UG: EJP – Optional English, Journalism and Psychology

1. CPE – Communicative English, Political Science and Economics
2. General English for B.A, B.Sc and B.Com
3. Additional English for B.A, B.Sc and B.Com
4. Media, Culture and Technology—General English course for Professional courses (BCA and BVC)

P.G:M.A English

3. Interdisciplinary courses and departments involved –

1. English, Journalism and Psychology – The Journalism and Creative Writing programme features staff from Journalism and English working in tandem to develop writing skills, local language competence and industry-readiness.

2. Communicative English, Political Science and Economics – CPE. In this newly-begun programme. the department has begun working closely with the Department of Political Science to promote a curricular and co-curricular acquaintance with writing for the social sciences among the students, and hopes to develop archiving skills among takers as well

4. Annual/ semester/choice based credit system –

Semester Plus Choice based Credit System

5. Participation of the department in the courses offered by other departments

A number of teachers from the Department have given guest lectures in Social Work, Political Science and Economics departments.

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)

Sanctioned                      Filled

Professors -                      00

Associate Professors -      03

Asst. Professors -              19

Sl	Name of the teacher	Designation	Qualification	Years of experience	PhD
1.	Rev. Fr. Victor Lobo	Principal	M.A, Ph.D	12	2
2.	Dr. Cheriyan Alexander	HOD	M.A, Ph.D	34	2
3.	Dr. Etienne Rassendren	Assoc Prof	M.A, Ph.D	31	
4.	Ms . Mini Mark Bonjour	AssocProf	M.A, Ph.D	20	
5.	Dr. Arul Mani	Assoc Prof	M.A, Ph.D	20	
6.	Dr. Ashley Tellis	Asst. Prof	M.A., NET, Ph.D	20	
7.	Ms.Nalini Pai	Asst. Prof	M.A., M.Phil	14	
8.	Ms. Jyothsna. K	Asst. Prof	M.A., NET	5	
9.	Ms Vijeta Kumar	Asst. Prof	M.A., NET.	3	
10.	Ms Amrita Banerjee	Asst. Prof	M.A., NET.	3	
11.	Ms Livia Antony	Asst. Prof	M.A.	2	
12.	Ms. Sherin Mathew	Asst. Prof	M.A	3	
13.	Ms Soumya. R	Asst. Prof	M.A., NET	4	
14.	Ms Shilpa	Asst. Prof	M.A, M.Phil	3	1.5
15.	Ms Jayshree Basappa	Asst. Prof	M.A	2	1.8
16.	Ms Archita Murthy	Asst. Prof	M.A SLET	2	1.5
17.	Ms Teena Ann Mathew	Asst. Prof	M.A SLET	2	1
18.	Ms Gargi Datta	Asst. Prof	M.A NET	2	1

19.	Ms.Rency Thomas	Asst. Prof	M.A	2	1
20.	Ms.Noora Kamar	Asst. Prof	M.A., NET	2	1
21.	Mr Vinayak Rama Varma	Asst. Prof	M.A	2	1
22.	Ms Vinaya Nayak	Asst. Prof	M.A, M.Phil	8	1

8. Percentage of classes taken by temporary faculty – programme-wise information: Nil

9. Programme-wise Student Teacher Ratio

General English – 60:1 (approx)

Additional English – 60:1

EJP – 50: 1

CPE – 45: 1

MCT – 60:1

M.A English – 35:1

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled: Nil

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.

UGC – Minor Research Projects – 05

42,000 -2

40,000 - 2

35,000- 1

Total: 1, 1 7,000/-

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received: Nil

13. Research facility / centre with

o state recognition: Have applied for Research Centre status within Bangalore University

o national recognition

o international recognition

14. Publications:

1. Mani Arul. "Reading ThePolyphonist". The Caravan. July 2012, [ISSN 0008-6150](http://www.caravanmagazine.in/reviews-essays/reading-polyphonist)(<http://www.caravanmagazine.in/reviews-essays/reading-polyphonist>)
2. Mani Arul. "To The Lighthouse". The Caravan. December 2013, [ISSN 0008-6150](http://www.caravanmagazine.in/reviews-essays/lighthouse)(<http://www.caravanmagazine.in/reviews-essays/lighthouse>)
3. Mani, Arul. "By Any Other Name." The Caravan. December 2014 (<http://www.caravanmagazine.in/reviews-essays/any-other-name>) [ISSN 0008-6150](http://www.caravanmagazine.in/reviews-essays/any-other-name)
4. Rassendren Etienne " Imperial Desire and its Implications for Contemporary Representations of Colony" Artha J SocSci 15(3), 2016 [ISSN 0975-329X](http://www.caravanmagazine.in/reviews-essays/any-other-name)
5. Rassendren, Etienne" The Secular Ethics and The Pitfalls of VS Naipaul's Non-Fiction" Journal of Dharna , Bangalore Vol 38, No.1 January- March 2013 [ISSN 0253-7222](http://www.caravanmagazine.in/reviews-essays/any-other-name) p.39-56
6. Rassendren, Etienne "Who/What then is Subaltern" Haritham: Journal of the School of Letters Kottayam: MG University 2013 No 21 p.84-95 [ISSN : 2231-5063](http://www.caravanmagazine.in/reviews-essays/any-other-name)
7. Rassendren, Etienne "GIVE US FREE": NOTES ON THE WRITINGS OF ACHEBE AND MANDELA InterViews: An Interdisciplinary Journal in Social Sciences Saint Claret College Ziro 2015, Vol. 2, No. 1 pp. 13-26 [ISSN: 2349- 400X](http://www.caravanmagazine.in/reviews-essays/any-other-name)
8. Pai, Nalini, 'Dalit Literary Narratives', Artha Journal of Social Sciences, Bangalore, 2015. 15-32. [ISSN0975-329X](http://www.caravanmagazine.in/reviews-essays/any-other-name)
9. Pai, Nalini, "Adapting to Technology: The Web in the Undergraduate English Classroom" Co-authored with Padma Baliga. Al Shodhana: A Multi-Disciplinary refereed Research Journal. Mangalore, 2014. 47-56. [ISSN 2320-6292](http://www.caravanmagazine.in/reviews-essays/any-other-name)
10. Pai, Nalini, "Open book examinations- boon or bane". Co-authored with MalathyVanaja, Anil Joseph Pinto, VenkatLokanathan, and Shlok Kumar. Academic Studies. National Journal for Jyoti Research Academy, Bangalore. 18-21. [ISSN0975-461X](http://www.caravanmagazine.in/reviews-essays/any-other-name)
11. Pai, Nalini, "Cinema, Politics, Women and the shifting contours of disciplines". Artha Journal of Social Sciences, Bangalore. 15-32. 2013. [ISSN0975-329X](http://www.caravanmagazine.in/reviews-essays/any-other-name)
12. Baliga, Padma. "Adapting to Technology: The Web in the Undergraduate English

- Classroom” Co-authored with NaliniPai. *Al Shodhana: A Multi-Disciplinary refereed Research Journal*. Mangalore, 2014. 47-56. [ISSN 2320-6292](#)
13. Baliga, Padma. “Making a Case for Children’s Poetry: Vikram Seth and SampurnaChatterjee” *Gandhigram Literary Journal*. Vol 2.1. 2014. [ISSN: 2278-8170](#)
  14. Baliga, Padma. “Politics of Gender Representation” Abstract published in *Journal of Research and Extension, GRI*, Vol. XVI, No. 1 & 2, January 2014. [ISSN.No. 0972-351X](#)
  15. Baliga, Padma. “Folklore and Children: A Mapping of the Disservices”, *Pariprashna*, Jain University, 2012. [ISSN No: 0976-7150](#)
  16. Baliga, Padma. “The Periphery of the Margin: Contemporary Indian Children’s Literature and the Minority”. *Artha: Journal of Social Sciences*. [ISSN: 0975-329X](#) 2016
  17. Kavuturu, Jyothsna, “Re-Cognizing English Language Teaching” *Regional Institute of English (Bangalore) journal* Vol 14, No.1, 2012. [ISSN 22502831](#)
  18. Kavuturu, Jyothsna, “Spirituality as Resistance.” *Journal of the Jyothi Research Academy*, Vol 9, Issue 1. 2015 [ISSN 0975461X](#)
  19. Kavuturu, Jyothsna, “Stand Up Comedy: No Laughing Matter”. *Al-Shodhana*, Vol IV, No. 1, 2016. [ISSN 23206292](#)
- Books:
20. Rassendren, Etienne(2013) “Crime, Empire and Great Expectations: Engaging 19th Century England “ *St Aloysius College, Mangalore Seminar Proceedings* [ISBN 978-93-5087-949-8](#) p.15-29.
  21. Rassendren, Etienne “The Secular Ethic and The Pitfalls of VS Naipaul’s Non-Fiction” in Nandhikkara, Jose (ED) *Ethical Interface: Literature, Economics, Politics and Religion Bangalore /Geneva/Switzerland: Dharmaram Publications and Globaethics* 2014 p.3-29 (Book Chapter) [ISBN: 978-81-89958-79-4](#)
  22. Rassendren, Etienne “Producing Nation: Gender and the Idea of India” in Gulati, Varun and Anoop, Mythili ( Ed) *Contemporary Women’s Writing In India* Lanham/NewYork/ London: Lexington Books 2014 p.15-34 (Book Chapter) [ISBN: 978-1-4985-0210-8](#)
  23. Rassendren, Etienne “Making Marginal, Imposing Power” in Mayben, Dexter (Ed) *Borders and Margins: Revisioning Ministry and Mission Tiruvalla/Bangalore: UTC-CSS Publications* 2015 (Book-Chapter) [ISBN: 978-81-7821-682-9](#)
  24. Alexander, Cheriyan. “The Politics and Ethics of the Welfare State”. *Dharmaram College. Bangalore* 2014 (Paper contributed to published book) [ISBN 978-81-89958-79-4](#)
  25. Alexander, Cheriyan. “A Mozartian Debut: A Note on Music in Vikram Seth’s *The Golden Gate*”. *The Golden Gate – A critical Study*. Ed. by S. Ramaswamy *Prestige Books* New Delhi. 2013. [ISBN 978-93-82186-12-0](#)
  26. Nirmal Raj, Jerome&Rassendren, Etienne "Laudato Si: Promoting Ecological sustainability Through Catholic Higher Education" *Catholic Higher Education in India: Rethinking Purpose and Context* Bengaluru: Christ university Centre For Publications 2016 310-324 [ISBN978-93-82305-94-1](#)
  27. Pai, Nalini, ‘The issue of language and its translation in Dalit Literature’, (Routledge) *Dalit Literatures In India*, 2015. Chpt 5. [ISBN978-1-138-19131-0](#)
  28. Pai, Nalini, “Towards more technology oriented teaching methods”. Co-authored with Padma Baliga. *Alternative English syllabus for UG students: A viable option?* Conference proceedings. Bangalore 2014. 47-54. [ISBN No. 978-93-83192](#).
  29. Pai, Nalini, “The Indian Gothic”. *Gothic Landscapes. Changing Eras, changing cultures, changing anxieties*. Palgrave Macmillan. 2016. 201-223. [ISBN978-3-319-33164-5](#)
  30. Baliga, Padma. “Towards more technology oriented teaching methods”. Co-authored with NaliniPai. *Alternative English syllabus for UG students: A viable option?* Conference proceedings. Bangalore 2014. 47-54. [ISSNNo. 978-93-83192](#).
  31. Baliga, Padma. “Elis in Konkani: A Relatively Undeveloped Literary Language” in *Alice in a World of Wonderlands: The Translation of Lewis Carroll’s Masterpiece*. Volume I. Oak Knoll Press. New Castle, Delaware, USA. 2015. [ISBN 978-1-584456-331-0](#)
  32. Baliga, Padma. “Children's Poetry in English: A Study of Vikram Seth and SampurnaChatterjee” in *Critical Essays on Indian English Poets* eds. Joseph Dorairaj and Hema V Raghavan. *Wordsworth India*. 2015 [ISBN: 978-93- 82955-04-7](#)

Seminar proceedings

33. Brooks, R. M., & Kavuturu, J., & Cetin, M. (2012, June), *Application of Interrupted Case Method for Teaching Ethics to Graduate Students in Transportation Engineering* Paper presented at 2012 ASEE Annual Conference & Exposition, San Antonio, Texas. <https://peer.asee.org/20953> ASEE Online ISSN: 2153-5965
34. Brooks, R. M., & Kavuturu, J., & Cetin, M. (2012, June), *Science for Non-science Majors* Paper presented at 2012 ASEE Annual Conference & Exposition, San Antonio, Texas. <https://peer.asee.org/21901>
35. Brooks, R. M., & Kavuturu, J., & Cetin, M. (2012, June), *Critical Thinking: A Pedagogical Instrument for New Engineering and Science Educators* Paper presented at 2012 ASEE Annual Conference & Exposition, San Antonio, Texas. <https://peer.asee.org/21128>
36. Brooks, R. M., & Kavuturu, J., & Cetin, M. (2012, June), *Creativity for Enhancing the Technological Literacy for Non-science Majors* Paper presented at 2012 ASEE Annual Conference & Exposition, San Antonio, Texas. <https://peer.asee.org/21120>
37. Brooks, R. M., & Cetin, M., & Kavuturu, J. (2013, June), *Application of Peer Reviewed Journal Articles for Enhancing Technological Literacy* Paper presented at 2013 ASEE Annual Conference & Exposition, Atlanta, Georgia. <https://peer.asee.org/19213> ASEE Online ISSN: 2153-5965
38. Brooks, R. M., & Cetin, M., & Kavuturu, J. (2013, June), *Sustainability Perspectives of Graduate Students on Transportation Systems and Management* Paper presented at 2013 ASEE Annual Conference & Exposition, Atlanta, Georgia. ASEE Online ISSN: 2153-5965. <https://peer.asee.org/22507>
15. Details of patents and income generated - Nil
16. Areas of consultancy and income generated - Nil
17. Faculty recharging strategies - Nil
19. Student projects -
  - o percentage of students who have done in-house projects including inter-departmental -
  - o percentage of students doing projects in collaboration with industries / institutes –On an average, each teacher in the department guides up to 10 students in writing a researched paper.
20. Awards / recognitions received at the national and international level by
  - o Faculty - Nil
  - o Doctoral / post doctoral fellows - Nil
  - o Students –
    1. In October 2014, II Year EJP students Ila Ananya and Rahul Pillai interned at the online magazine The Ladies Finger and wrote <http://theladiesfinger.com/the-two-finger-test-doesnt-work-no-one-told-the-medical-colleges/> which won them the Priyanka Dahale Award for Young Journalists in April 2016.
    2. Ila Ananya won the Prof. Barbra Naidu Prize for the Personal Essay in 2014 at Meta- A literature fest conducted by the Dept. of English.
    3. Zenisha Gonsalves was short-listed under the Creative Writing in English category for Toto Funds the Arts.
    4. Zenisha Gonsalves was selected for a one month course in Journalism at Washington City, Seattle, USA, where young journalists focused on covering South Asian issues.
21. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.
  1. BODY CARE: A three –day intensive workshop on emotional and physical wellness was conducted by The Department of English in collaboration with The Centre for Wellness and Justice, Baduku Community College (Samvada, Bangalore) in November 2015.
  2. A Two-day UGC sponsored National Seminar on ‘Teaching Social Sciences: Challenges and Opportunities in the new millennium’ in collaboration as part of all the Humanities Departments of SJC was conducted in November 2012.
  3. A Seminar to commemorate the 50<sup>th</sup> anniversary of Martin Luther King Jr.’s “I have a Dream” Speech and March on Washington was held in the American Corner in August 2013.

4. Thursday Causerie – A series of regular discussions for staff and students is conducted by the Dept. of English. The following people have been speakers at the Thursday Causerie in 2015, 2015 and 2016

1. Arvind Narrain on Memory, Forgetfulness and the Indian state.
2. Nisha Susan on Writing about Bollywood
3. C.K Meena on Covering Theatre in Bangalore
4. Dr. Nitya Vasudevan, Prof. Kannaki Deka and Zenisha Gonsalves in a panel on Women and Health
5. Prof. Arun Thampan on MOOCS
6. Australian writer Christos Tsiolkas on his book ‘Barracuda’.
7. British Writer Adam Foulds on his book ‘Quickening Maze’.
8. Mridula Koshy on her works.
9. Prof. Srikanth Mallavarapu, Roanoke College, USA, on Science Fiction
10. Prof. Darryl Jones, University of Dublin, Ireland, on Horror Fiction
11. Prof. Nagesh Rao on Student Activism
12. Mizo writer Malsawmi Jacob on her book Zorami.
13. Prof. Lakshmi Srinivas on Cinema and the City.
14. Prof. Vinay Kambipura on D.R. Nagaraj’s works.
15. Writer C.K Meena on Living/Writing

5. A number of Lecture-demonstrations were conducted by the Dept of English as part of our literary festival META in the years 2013/2014/2015/2016.

Lec-Dems are in depth exploratory sessions in particular aspects of literature, or in new ways of bringing text and technology together. Dev Sukumar, Namita Aavriti, Nicolas Grandi, Priya Sen, Monica James, Srinath Perur, Lawrence Liang, Ayisha Abraham, Prem Panicker, Ajay Cadambi, Prof. Manu Chakravarthy, Mallika Prasad, Arvind Narrain, Joshua Muiyiwa, Tejaswini Niranjana, Preeti Prakash, Deepika Sarma, Arjun Swaminathan, C.K Meena, Padmini Ray and Bijoy Venugopal were a few invited speakers for the Lec-dems.

6. The Dept also organized a series of Roundtables and panel discussions as part of Meta. These panel discussions were on various themes and spanned across the four editions of Meta. Roundtables on Madness as Metaphor (Women and Mental illness), Food writing, Long form Journalism, Writing about Bangalore, Writing for the stage, Re-reading Ambedkar, Revisiting Children’s Literature, R.K Laxman’s work, Discovering Bangalore on foot, Remembering U.R Ananthmurthy were a few, Exclusion and Inclusion – After Rohith Vemula were some of the panels.
7. The Dept also organised performances from national and international artists for Meta. In collaboration with the Airplane Poetry Movement, a poetry slam workshop was held as part of Meta 2015.
8. Another feature at Meta is the Young Writer Interaction where writers talk about the craft of writing and also read from their work. Amandeep Sandhu, Sneha Rajaram, Nisha Susan, Abhishek Majumdar, Joshua Muiyiwa, Kurke Prashanth, Mounish Badiger, Gaurav Jain, Rohini Mohan, Srinath Perur were some of the invited writers.

22. Student profile course-wise:

RESULT STAT - UG

	2009 – 2012		2010 – 2013			2011 – 2014			2012 – 2015			2013 – 2016			
												A	C	%	
	COURSE BEGAN IN 2013														
EJP	-	-	-	-	-	-	-	-	-	-	-	-	36	27	75

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

Civil Services - Nil

Defense Services – 01 NET – 04 SLET – 03 GATE – 00 24.

Student progression

UG to PG 35 %

PG to M.Phil.

PG to Ph.D. 5%

Ph.D. to Post-Doctoral

Employed

Campus selection 14 %  Other than campus recruitment 90% Entrepreneurs 2%

25. Diversity of staff

Percentage of faculty who are graduates

Of the same parent university 08

From other universities within the State 06

From other universities from other States 05

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period - 01

27. Present details about infrastructural facilities

a) Library – 8000 subject related volumes

b) Internet facilities for staff and students - Yes

c) Total number of class rooms –

- 6 Classrooms for Core subjects offered by the dept - EJP, CPE and M.A English

- 30 classrooms for General English (as required) and Additional English

d) Class rooms with ICT facility - 20

e) Students' laboratories

- 02 (1 Materials Production Centre and 1 Language Learning Facility)

f) Research laboratories Nil

28. Number of students of the department getting financial assistance from College. - NA

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

The need for two new courses, EJP and CPE, was largely assessed on the basis of repeated enquiries year after year at the admissions office for them. A series of consultations were held with industry experts from Journalism, alumni of other institutions and teachers from other institutions to design the EJP programme

On the basis of this the department decided to begin the triple major course, English, Journalism and Psychology. It was felt that there was rich interdisciplinary potential for such a combination. Hence, the course was begun in 2013. The demand has been very good and the course has become viable and sustainable.

CPE was begun this year, 2016, once again going by an increase in enquiries for a course in communicative/functional English. It was felt that combining Communicative English with Political Science and Economics would add depth of knowledge of the contemporary global scene to the development of viable skills in communication.

30. Does the department obtain feedback from.

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

Yes. Through dept meetings, valuable suggestions are incorporated both in curriculum design and teaching practice.

b. students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

Yes. Regular evaluation process is undertaken by the college. These evaluation sheets are given to the teachers.

c. alumni and employers on the programmes and what is the response of the department to the same?

There is both an informal and formal process of sharing feedback. Usually the Principal and Head of Dept share feedback individually with teachers.

31. List the distinguished alumni of the department (maximum 10)

1. Darius Sunawala, Radio personality
2. Nazarius Manoharan, Theatre personality and advertising expert
3. Vibha Ghorpade, Theatre artiste and entrepreneur
4. Mallika Prasad, Theatre artiste and director
5. Kirtana Kumar, Documentary film-maker
6. Srikanth Mallavarapu, Professor, Roanoke College, USA
7. Mahesh Dattani, Playwright and theatre-person
8. Richard Tholloor, dancer and theatre-person
9. Vivek Madan, theatre entrepreneur
10. Nakul Krishna, Rhodes scholar (2007)

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

1. Thursday Causerie
2. Meta
3. Literati
4. Tackle Fest
5. Certificate Courses

The Department of English offered the following certificate courses during the academic year 2014- 15

**1.**Development Journalism and Volunteering is a 120-hour course offered by the department in collaboration with Headstreams, an NGO specialising in educational support for the underprivileged. The course will offer students a critical understanding of notions of development, followed by intensive training sessions in reporting from the margins of society. The course will commence in July and end in February. The course is open to all undergraduate students. Classes will normally be held on Saturdays and on public holidays.

**2.**The Contemporary Dance Practices Course is a 60-hour course offered by the department in collaboration with the noted performer Veena Basavarajaiah. Prior acquaintance with dance is useful, but not mandatory.

**3.**Winging It is a 120-hour, 4–credit course in Theatre and Performance Studies offered by the department in collaboration with several noted Bangalore-based theatre performers. The course will include training in dramatised reading, improv techniques, mime, voice, movement, acting, and scripting for the stage.

**4.** The Creative Writing Course is a 60-hour course where a student will learn how to start the writing process before progressing to poetry, fiction and non-fiction over six modules and submit a 5000-word portfolio of original writing to complete the course.

**5.**Fighting/Writing: Culture Journalism in Troubled Times is a 60-hour, course where a student will learn the basics of reporting and interviewing while also encountering the disconnect between traditional arts-and-culture reporting and the manner in which the question of culture itself has become prone to quarrels and controversies. The course offers a grounding in the idea that Culture is ordinary rather than a series of artifacts, and promotes an ongoing polemic with received wisdom and common sense over modules specific to everyday experience. Those taking the course student will submit a 5000-word portfolio of original writing to complete the course

**6.**Adventures in Difference: Exploring Gender, Justice and Wellness in the Contemporary is a 60-hour course offered in collaboration between the department of English, the NGO Samvada and Baduku Community College. Involving Self Work, Perspectives, and Writing/Reading the Self, the course connects the personal to the structural, the subjective to the formal, the ‘us’ and the ‘other’, the familiar and the unfamiliar, as they exist in relation to the gendered self.

33. List the teaching methods adopted by the faculty for different programmes.

Dialogic method, Research – Seminars, Tutorials, Social Media interface, audio visual aided teaching



34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

There is constant interaction between the HOD and the faculty. As one of the best practices, we have a core committee for department work and a disciplinary committee to follow up on the student progression – academic and otherwise.

35. Highlight the participation of students and faculty in extension activities.

Teachers accompany students on the outreach programmes. They guide students to make presentations, write papers and participate in seminars outside the college. Teachers in the department also guide students in relation to social commitment issues. They also facilitate short term introductory programmes for outreach activities.

36. Give details

JEAN – The Josephite English Alumni Network was set up in 2015 in order to continue academic conversations with alumni. It has already carried out reflective and interactive sessions on teaching – learning processes, particularly with young alumni who are in the teaching profession. We are also in the process of introducing NET/SLET training.

State whether the programme/ department is accredited/ graded by other agencies. Give details.

We have been accredited as part of the institution by NAAC. The department's work has been highly commended in a 2014 evaluation of the college conducted by LIBA (Loyola Institute of Business Administration).

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

Strengths –

1. Most people in the Department have either completed their PhD's or have enrolled towards a research degree. We have 4 NET's and 2 SLET's. Teachers travel for seminars and conferences to deliver Key note and plenary talks. Thus we can say that we have highly qualified and respected academic rigor in the department.
2. We are a very student- friendly department. Primarily because of our remediation and tutorial programmes. Teachers spend a great deal of time evaluating written work of students and sharing feedback about their speaking and presentation skills.
3. We understand that we have strong and empowering General English, Additional English, Optional English, Journalism, Communicative English and Media Culture Technology curricula which enable students to see English language learning as relevant and important for their everyday experiences.
4. One of our best practices is the Streaming Process for General English, Additional English and Media, Culture Tec students. A diagnostic test which helps in identifying clusters of skills in English language among students is conducted, in order to assess the streams they will be marked under. This Streaming enables teachers to give personal and sustained attention to the language needs of the specific cluster -skilled classroom. It also empowers students to learn the specific skills that they are challenged by.
5. The dept has been in creative and innovative collaborations with NGO's, Theatre groups and cultural organisations to enhance the quality of extracurricular and co curricular programmes directed by the department.

Weaknesses

1. Student – teacher ratios are far from desirable, as a result of systemic problems that are beyond the institution's control.
2. Sometimes we are not successful in persuading funding agencies such as the UGC about the relevance of our propose projects.
3. Some members of the faculty have not yet been successful in acquiring NET/KSET qualifications despite sincere efforts.
4. We have only been partially successful in following up on our alumni and keeping track of their post graduation careers. This is a situation that we are determined to rectify in the coming year.

Opportunities

1. There are many research opportunities that we can exploit as a department.

2. JEAN – Joseph’s English Alumni Network as a possible way of providing support to our alumni who have entered the teaching profession. There is also good potential in JEAN for training our alumni (who are teachers) for NET/KSET
3. Lately, we have had good interactions with foreign faculty/writers and this is an avenue which we must explore more energetically with a view to forging new international partnerships.
4. From this year onwards we have very promising opportunities in our Materials Production Centre and Language Learning Facility to produce innovative language learning packages which we can even share with other institutions.
5. We are beginning to see promising opportunities of collaboration with noted writers and theatre artists specifically for our certificate course offerings.

#### Challenges

1. The reading habit, very vital for any in-depth intellectual growth, is now beginning to decline amongst students.
  2. For the amount of work, we are gravely understaffed. Most teachers do more than are expected according to the norms set by the UGC/DCE.
  3. Grant- in- aid as adequate recompense for intellectual and academic work delivered is being steadily withdrawn.
  4. Growing number of private universities.
  5. Rising Per capita cost of higher education.
39. Future plans of the department.

The Department has applied for Research Centre status to Bangalore University.

We hope to set up a Centre for Research into World Literatures. The department hopes to begin a research journal in the field over the next few years.

Our ongoing Materials Production Centre project will, on completion, aid us in delivering a syllabus that moves beyond current reading and writing goals to empowering students with multiliteracy, and in enabling differently-abled students with language skills.

## 11. EVALUATIVE REPORT OF DEPARTMENT: ENVIRONMENTAL SCIENCE

5. Name of the Department & its year of establishment

Department of Environmental Science UG Estd: 1983

6. Name of the Programme:

Undergraduate: B.Sc.

Chemistry, Environmental Science, Botany (CEB)

Chemistry, Environmental Science, Zoology (CEZ)

3. Interdisciplinary courses and departments involved: 03

Environmental Science is interdisciplinary Cours

4. Annual/ semester/choice based credit system

UG: Semester system including one choice based credit course

5. Participation of the department in the courses offered by other departments:

(i) Certificate Courses offered by other departments

(ii) Term paper

(iii) CBCS offered by other departments

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)

Category	Sanctioned	Filled
Professors	NA	NA
Associate Professors	2	2
Asst. Professors	NA	NA

7. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization
B.S.Prabhakar	M.Sc., SLET, (Ph.D)	Asso Prof	Urban Ecology
M.R.Ebenezer Wilson	M.Sc., MPhil., Ph.D	Asso Prof	Air Pollution and Occupational Health Biotechnology

7. Percentage of classes taken by temporary faculty – programme-wise information: -NA-

8. Programme-wise Student Teacher Ratio

Undergraduate: B.Sc 45:1

9. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

Sanctioned: 01; Filled: 01

10. Number of faculty with ongoing projects: Nil

11. Mention names of funding agencies and grants received project-wise.

List of ongoing projects for the period 2012-16: Nil

List of completed projects for the period 2012-16: Nil

12. Departmental projects funded by DST-FIST; DBT, ICSSR total grants received:Nil

13. Research facility / centre with:

State Recognition: No

National Recognition: No

International Recognition: No

14. Publications: 2012-16

1.B. S. Prabhakar, N. Nandini, M. Vijay Kumar and M. Kumar(2015)Park User's Perception towards the Utility of an Urban Green Space – A case study of CubbonPark, Bengaluru.Science Park - International Research Journal. Vol.3 (18), 1-8.ISSN: 2321-8045.

2.B. S. Prabhakar, M.Kumar,N. Nandini and M. Vijay Kumar Evaluating the Tree Species Composition and Carbon Sequestration Potential of a Park in Bengaluru. International Journal of Current Research.Vol.7 (11), 2015: 22320- 22325.ISSN: 0975-833X.

3. M. Vijay Kumar, N. Nandini and B. S. Prabhakar(2016) Perspectives on Ecosystem Services: Approaches, Development and Valuation.Weekly Science - International Research Journal. Vol.2016:3(28):1-12.ISSN: 2321 – 7871.

4. Bheemappa K., Nandini N., Kumar M., Vijay Kumar M., Raghavendra M. and Prabhakar (2016) Anthropogenic Activities on Shoreline Environs- A Profile of Byramangala Reservoir, Karnataka, India. International Journal of Recent Scientific Research. Vol. 7, Issue, 1, pp. 8236 – 8242. ISSN: 0976 – 3031.
5. Dr. M.R.Ebenezer Wilson (2014) “Inborn Error of Phenylalanine Metabolism: Easy Methods of Detection of PKU using Plant Enzymatic Assay and Rat Model” Lambert Academic Publishing ISBN-13: 978-3-659-40185-5 ISBN-10: 3659401854; EAN: 9783659401855.
6. M.R.Ebenezer Wilson “The need for choice based four year graduate course in India” in the International Conference on Higher Education, “A Vision for Higher Education -2030 held on 30<sup>th</sup> and 31<sup>st</sup> July 2015 at Mount Carmel College, Bangalore. (ISBN : 978-93-5202-881-8). Proceedings
7. M.R.Ebenezer Wilson “Inborn Errors of Metabolism: Easy methods of detection of PKU using higher plant enzymes and rat as a model system” in the International Conference on Community Mental Health: Trends and Challenges on 11<sup>th</sup> and 12<sup>th</sup> December 2015, jointly organized by School of Social Work, University of North Carolina Wilmington and Department of Social Work and Department of Psychology, St. Joseph’s College, Bangalore.

### 3. Faculty Recharging Strategies

1. Dr. Wilson has participated two days workshop on National Programme on Technology Enhanced Learning (NPTEL) jointly organized by IIT Madras and Indian Academy Degree College, Bangalore on 7<sup>th</sup> and 8<sup>th</sup> Nov. 2013.
2. M.R.Ebenezer Wilson attended the Workshop on “Biodiversity, Indigenous Knowledge & Biotechnology at Maharani Lakshmi Ammanni College for Women, Bangalore, on 9<sup>th</sup> Nov. 2013.
3. M.R.Ebenezer Wilson participated in the two day hands-on Workshop in Parasitology, conducted by Department of Microbiology, CSI Hospital, Bangalore.
4. M.R.Ebenezer Wilson has attended Lecture Workshop organized by the Department of Botany on Recent Trends in Cellular Mechanisms and Gene Expression, held on the 12<sup>th</sup> and 13<sup>th</sup> February 2016.
5. M.R.Ebenezer Wilson Two courses completed by M.R.E. Wilson. i) Post Graduate Diploma in Nanobiotechnology (PGDNBT) Life Science Foundation India (LSFI) Karnataka (2012). ii) Completed by e-learning an Advanced Diploma Course in Public Health with A Grade from Institute of Public Health (IPH), Bangalore in 2016.
- 6.. M.R.Ebenezer Wilson Presented a poster on Selective Habitats of Sparrows (*Passer domesticus*) in Bangalore City. International Conference on Sparrows. March 20<sup>th</sup> 2012, jointly organized by ZED-SJC-Christ University & GKVK
- 7.. M.R.Ebenezer Wilson participated in a State Level Seminar “Science from Space- New findings and challenges ahead, organized by the Department of Physics, Sponsored by ISRO, on 10<sup>th</sup> and 11<sup>th</sup> September 2015.
- 8.. M.R.Ebenezer Wilson Participated in a Symposium on Child Mental Health in India: Catalyzing the Public Health Response, organized by the Department of Epidemiology, Centre for Public Health NIMHANS, on 20<sup>th</sup> January 2016.
- 9.. M.R.Ebenezer Wilson Participated in a National Conference on the Application of Nanotechnology in Environmental Remediation, jointly organized by the Department of Studies and Research in Environmental Science, Tumkur University and SERB, New Delhi on 7<sup>th</sup> October 2015.
10. M.R.Ebenezer Wilson Participated in a Panel Discussion “Save our Tigers” hosted by Hardnews Media Pvt. Ltd and Aircel Ltd. on March 16<sup>th</sup> 2016.

participated in the Management Workshop on “Achieving Abdul Kalam’s Vision through Tapping People’s Potential” jointly organized by Shingo Institute of Japanese Management and Asian Journal of Professional Ethics and Management at Indian Heritage Academy on 11<sup>th</sup> September 2016.

11. M.R.Ebenezer Wilson delivered a talk on “Earth’s Fever and Weird Weather” on the occasion of World Environment Day (2016) celebration in Christ University.

15. Details of patents and income generated: none

16. Areas of consultancy and income generated:

Profitable Consultancy Services:

Dr.M.R.Ebenezer Wilson

i) Collaborative Research with ATREE – Rs. 20000/-

ii) Court Commissioner of National Green Tribunal (NGT-South) - Rs. 50000/-

Non-profitable Consultancy Services:

Water Quality Testing and Treatment for Educational Institutions

17. Faculty recharging strategies:

Name	Resource Person	Seminar attended	Workshop attended	BoS/BoE Member
B.S.Prabhakar	1	1	1	4
M.R.E.Wilson	2	6	4	3

18. Student projects

Student projects: Dissertation in final year (Group Projects): As a compulsory work in the V and VI semesters; Equivalent to two practical papers.

Percentage of students who have done in-house projects including inter-departmental = 85

Percentage of students doing projects in collaboration with industries / institutes -As internships with ATREE, CADDISFLY, CDD, MYSORE ZOO, MYSORE UNIVERSITY, VARANASI RESEARCH FOUNDATION, CSE i- AIM – 15

19. Students Enrichment Programme conducted

Year	Name of the Guest Speaker	Topic
2012-13	S. Kartikeyan, Chief Naturalist, Jungle Lodges, KFD	India's Natural Heritage
2013 -14	Sunil Kumar N, The British Embassy	Ants and their Behaviour
2014-15	Dr. Savitri Sambamurthy, Ayurveda Academy	Health and Wellbeing
2015-16	Dr. Chiranjeevi Singh	Interaction on current affairs
	Dr. Samira Agnihotri	Bird calls - Drongo behaviour
2016-17	One day Seminar Prof.Govindaswamy Agoramoorthy Dr. Annie Kurian Dr.Pankaj Sekhsaria Mr. Denzil Linhares	Way of Life with Chimpanzees Ancient Dinosaurs of the Marine World Islands and Ancient Tribes Ocean World- A journey underwater

20. Awards / recognitions received at the national and international level by Faculty members:

Dr.M.R.E. Wilson received an Appreciation Award "Guru Vandana", Honoured by Rotary Bangalore South and Karnataka Civil Defence Corps for the dedicated service in the field of Environmental Science. The award was conferred by His Excellency Dr.Hansraj Bharadwaj, The Governor of Karnataka, on the occasion of Teachers Day Celebration held at Dayananda Sagar Institutions, Bangalore on the 28 th September 2013.

He has presented a thematic poster entitled "Impact of Mismanagement of Solid Waste in Bangalore City" in a National Conference themed Environmental Pollution, Urban Waste Management and Public Health Security, jointly organized by Christ University and Karnataka State Pollution Control Board. He won the best poster presentation award for the same under teachers' category.

Students' Achievements:

1.Vidya Balasubramanyan of First year (CEB) participated in AIESEC India's Global Community Development Program in China, between 22<sup>nd</sup> April and 2<sup>nd</sup> June 2013. As a team leader, Vidya has worked with Senior High School, High School and Sun Yat –sen University and communities in Guangzhou and spread Environmental understanding.

2. Vidya Balasubramanyan of Final year (CEB) has successfully completed six weeks (14<sup>th</sup> April-25<sup>th</sup> May, 2015) Tech Cycle Project in Malaysia. She has created awareness among college students and the public about “The impact of e-Waste and their segregation” during her internship. The organization appreciated her dedicated time, effort and assistance towards service to humanity through this venture.

3. Sunayana Sajith of Final year CEB and Tanvi Agrawal of second year CEB have completed Internship Programme from 28<sup>th</sup> April to 30<sup>th</sup> May at Consortium for DEWATS Dissemination (CDD) Society Bangalore. They presented their work as a poster entitled “Situation analysis: Faecal sludge management in Kommaghatt village” in a National Conference themed Environmental Pollution, Urban Waste Management and Public Health Security at Christ University and won Second Prize for the same under students’ category. Varsha, B of second year CEZ worked as an intern in CDD and carried out a survey on Septic tanks in domestic households in Konnakunte, Bangalore.

4. Tanvi Agrawal (CEB) and Paul Pop Nampilly (CEZ) of final year B.Sc participated in Inter Collegiate Climate Change Quiz, organized by Davecha Centre for Climate Change, (2015-2016), IISc and won a cash prize of Rs.10, 000/- as First Prize.

21. Seminars/ Conferences/Workshops organized and the source of funding (national / International) with details of outstanding participants, if any.

Year	Seminars/Workshops/Conferences (State, National and International) - Title	Date of the Event
2016	National Seminar on Ecology, Sustainable Development and Wildlife Conservation	December 15 <sup>th</sup> and 16 <sup>th</sup>

22. Student profile course-wise: ADMISSION ABSTRACT (2013-2014)

Category	SC		ST		OBC		Minority		GM		Total	
	B	G	B	G	B	G	B	G	B	G	B	G
I-CEB	1	2	1	4	0	1	3	2	2	6	7	15
I-CEZ	0	1	2	0	1	0	7	0	3	6	13	7
Total	1	3	3	4	1	1	10	2	5	12	20	22

ADMISSION ABSTRACT (2014-2015)

Category	SC		ST		OBC		Minority		GM		Total	
	B	G	B	G	B	G	B	G	B	G	B	G
I-CEB	0	0	2	0	1	0	3	1	4	2	10	3
I-CEZ	1	0	0	0	3	1	3	2	7	4	14	7
Total	1	0	2	0	4	1	6	3	11	6	24	10

ADMISSION ABSTRACT (2015-2016)

Category	SC		ST		OBC		Minority		GM		Total	
	B	G	B	G	B	G	B	G	B	G	B	G
I-CEB	2	0	2	1	2	2	2	1	0	0	8	4
I-CEZ	0	1	0	1	2	2	4	4	2	1	8	9
Total	2	1	2	2	4	4	6	5	2	1	16	13

ADMISSION ABSTRACT (2016-2017)

Category	SC		ST		OBC		Minority		GM		PC		Total	
	B	G	B	G	B	G	B	G	B	G	B	G	B	G
I-CEB	1	0	1	1	1	1	1	1	4	5	1	0	9	8
I-CEZ	0	0	1	1	0	0	3	1	5	10	1	0	10	12
Total	1	0	2	2	1	1	4	2	9	15	2	0	19	20

Per cent Results in Semester Examination (2012-2016)

	I	II	III	IV	V(P1&P2)	VI(P1&P2)
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YEAR	SEMESTE R	SEMESTE R	SEMESTE R	SEMESTE R	SEMESTE R	SEMESTE R
2012	100	96.0	96.0	100	100&100	100&100
2013	93.0	100	100	96.0	100&100	100&100
2014	65.0	96.6	96.5	100	100&100	91.3&91.3
2015	74.0	84.0	75.0	93.0	100&100	100&100
2016		92.5		86.9		100&100

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?-NA-

24. Student progression

UG to PG - 30%

Employed -30%

Campus selection 5-6 students

Other than campus recruitment: direct recruitment: most passed out students are employed in Corporate, Banks, Environmental NGOs and B.Ed.

Entrepreneurs - 5

25. Diversity of staff: Percentage of faculty who are graduates Same University, Other universities within state, other universities other states

Name	Graduated from the same University	Graduated from other University within the state	Graduated from other University outside the state	Per Cent
B.S.Prabhakar	-	Kuvempu University		50%
M.R.Ebenezer Wilson	-		Bharathidasan University	50%

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period-None

27. Present details about infrastructural facilities

a) Library: General Library and Department library

b) Internet facilities for staff and students: Yes

c) Total number of class rooms: UG: 03

d) Class rooms with ICT facility: UG: 03

e) Students' laboratories: Well-equipped Wet Laboratory for Air, Water, Soil and Microbial Analysis

f) Research laboratories: Laboratory is suitable for Basic Scientific Research

32. Number of students of the department getting financial assistance from College/ avail different scholarship?

Management Scholarship = 04

Year	Name	Class	Amount
2012-2013	Mary Ann George	III- CEZ	6000/-
2013-2014	Maurius Robin	III-CEZ	7800/-
2014-2015	Velangani Jyothi	I-CEB	6000/-
2015-2016	Velangani Jyothi	II- CEB	5210/-

33. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

Yes.BoS Meeting was conducted to frame syllabus for an Open Elective "Environment and Health" under CBCS.

32. Does the department obtain feedback?

c. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

d. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department

to the same?

Every Semester, online students' feed back is being obtained.

c. Alumni and employers on the programmes and what is the response of the department to the same?

Having an Alumni member in the Board of Studies has contributed to getting insights into the past syllabus and their suggestions were incorporated into the syllabus

33. List the distinguished alumni of the department (maximum 10)

1. *Padma Shri* Dr. Sunita Krishnan, Social Activist, Founder of Prajwala, Hyderabad, Member of Women's Cell, AP; Anti Human Trafficking Crusader

2. Leo Francis Saldana, Environmental Activist, Environment Support Group (ESG), Bangalore.

ESG is a non-profit trust involved in environmental and social justice initiative in the country.

3. Akshay Heblikar, Environmentalist, Center for Environment & Sustainable Development, Eco-Watch – Played a key role in implementing Urban Forestry Projects; Establishes Biodiversity Parks in and around Bangalore; Set up Tropical Gene Bank of important Species in Belgaum District

4. Chaya Chengappa, Manager, Programs and Operations at Community Environment Alliance

5. Dr. Naveen, Assistant Professor, Occupational Health and Safety, Dr. MGR University, Tamil Nadu

6. Srinivas Ravindra, Environmentalist, Assistant Director, Center for Sustainable Development (CSD) Bangalore.

7. Udhayan.A, IFS, Mountain Ecology Specialist, SAARC Forestry Centre, Bhutan

8. Shashirekha, Sr. Manager – Quality, Bangalore Test House, an ISO 9001 Certified & NABL Accredited Laboratory, Bangalore.

9. Bineesha.P. Senior Technical Advisor, Indo German Environment Programme (IGEP) KSPCB, Bangalore

10. Devika Devaiah, Founder, Social Project "Save River Cauvery"

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

The department organizes guest lecturers from specialist in different fields of Environmental Science.

Year	Name of the Guest Speaker	Topic
2012-13	S. Kartikeyan, Chief Naturalist, Jungle Lodges, KFD	India's Natural Heritage
2013 -14	Sunil Kumar N, The British Embassy	Ants and their Behaviour
2014-15	Dr. Savitri Sambamurthy, Ayurveda Academy	Health and Wellbeing
2015-16	Dr. Chiranjeevi Singh	Interaction on current affairs
	Dr. Samira Agnihotri	Bird calls - Drongo behaviour
2016-17	<u>One day Seminar</u> Prof. Govindaswamy Agoramoorthy Dr. Annie Kurian Dr. Pankaj Sekhsaria Mr. Denzil Linhares	Way of Life with Chimpanzees  Ancient Dinosaurs of the Marine World Islands and Ancient Tribes  Ocean World- A journey underwater

33. List the teaching methods adopted by the faculty for different programmes:

1. Orientation of weaker students: special coaching

2. Peer learning: "buddy system", the weaker students get some assistance from brighter ones



3. Collaborative learning; Colloquium to discuss environmental issues that are not explicitly addressed in the formal curriculum. YOU TUBE is used to hear talks from TEDx.
4. Self learning: Students used Laptop and LCD Projector for their Ppt presentation, advised to use INFLIBNET, maintain a "Green File"
5. Field learning: Field visits and industrial visits were conducted and student's video graphed their observations and present along with the Field Report in partial fulfillment of CIA in core theory papers.
6. Research and Cooperative learning: A compulsory Dissertation in final year for Research experience
7. External learning: Students took part in seminars, workshops and rallies to keep abreast of their knowledge regarding current environmental issues.
34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

Teaching methodologies, relevant assignments pertaining to current environmental aspects, and Ppt presentations done in class ensure that the learning objectives are fulfilled. Their ability to secure internships and complete them successfully indicates their attitude towards the subject. The successful completion of their dissertation indicates to their ability to carry out team work and independent research.

**36. Highlight the participation of students and faculty in extension activities.**

All students attend the college Outreach Program. Staff members help them to prepare the work schedule of the program. Some students involved in Internship Programme during vacation.

1. Denzil Noel Prato of second year CEZ has completed an Internship Programme entitled "Gap Analysis on Waste Management System at Ducab, Dubai from 23<sup>rd</sup> April to 15<sup>th</sup> May.
2. Varsha,B and Ambika,S.Y have completed their internship in Kalinga Centre for Rainforest Ecology and reported the density of birds and butterflies in grasslands in Agumbe.
3. Five of the final year students, Vidya Balasubramanyam,Sunayana Sajith,Meenakshi Menon, Shreem Kohli and Swati have participated two days Youth Seminar 2014, organized by the Tata Energy Research Institute, Bangalore.
4. Twostudents(II CEB/Z), Kaveri and Samanvitha , have participated in the Student Conference on Conservation Science ,organized by IISc , 21<sup>st</sup> to 24 th November 2016.

**36. Give details. State whether the programme/ department is accredited/ graded by other agencies.**

The college has an Outreach Programme Centre which monitors and assesses the participation, activities and outcome of the programme.

In the case of Internship, the External agencies usually certify the students.

**37. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:**

**Strengths**

- Dedicated, efficient, progressive staff
- First formed UG department in the state
- Healthy student-teacher relationship
- Good infrastructure and lab facilities
- Good results and performance

**Weaknesses**

- Understaffed
- Poor external networking
- Lack of time for field work

**Opportunities**

- Funds available
- Availability of research avenues
- Experts in the field easily available
- The city houses many institutions that can be tapped
- Alumni potential

**Challenges**

- low salary structure in the private sector
- Lack of jobs in the organized sector (Pollution Control Board, Forest dept. Education dept. etc.)
- Governmental polices not promoting the subject in the employment area
- Other market driven courses
- 

38. Future plans of the department: StartingPG Course in Environmental Science

## 12.EVALUATIVE REPORTS OF DEPARTMENT: HISTORY

1. Name of the Department & its year of establishment: History. 1925
2. Names of Programmes / Courses offered:U.G. (B.A.)
3. Interdisciplinary courses and departments involved: N.A.
4. Annual/ semester/choice based credit system: Semester and for the fourth SEM - Choice Based Credit System
5. Participation of the department in the courses offered by other departments: N.A.
6. Number of teaching posts sanctioned and filled Sanctioned Filled- 01

Professors: nil

Associate Professors: 01

Asst. Professors: 02 [visiting]

7. Faculty profile with name, qualification, designation, specialization

Name :	Qualification	Designation	Specialization	Experience
Fr. Clarence Dsouza	M.A.; MPhil	Asso Prof	Modern Asian history	31 years
Ms. Pratibha Shetty	M.A	Asst Prof		4 years
Mr. Santosh	M.A	Asst Prof		4 years

8. Percentage of classes taken by temporary faculty – programme-wise information

9. Programme-wise Student Teacher Ratio: I Year B.A. =98:01; II Year B.A. =87:01; III Year B.A. =67:01

Question no 10. to 17 no response

18. Student projects

➤ Percentage of students who have done in-house projects including inter-departmental: All final year B.A. Students (100%) are involved in in-house projects in the form of Term Paper.

19 to 23 no response .

22. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations? : Quite a few an average of 3 a year

23. Student progression

UG to PG: about 50%

Above : no data

24. Diversity of staff

Percentage of faculty who are graduates of the same parent university:100%

From other universities within the State N.A.

from other universities from other States N.A

25. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period. :

26. Present details about infrastructural facilities

a) Library

b) Internet facilities for staff and students

c) Total number of class rooms

d) Class rooms with ICT facility

e) Students' laboratories

f) Research laboratories

Question 27 & 28 no response.

29. Does the department obtain feedback from?

a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

Yes. Necessary changes are incorporated in the Syllabus and the methodology of teaching

b) Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same? - Positive

c) Alumni and employers on the programmes and what is the response of the department to the same?

Gives feedback and necessary action is taken.

30. List the distinguished alumni of the department (maximum 10)

1. Mr. Arul Dev. - The Hindu

2. Mr. Frank Noronha –Indian Information Service, working in the central government in the ministry of information.
- 3 Mr. Ravindra- doordarshan
4. Radhika Hegde-Works at St. John's Hospital & Medical College
5. Sanjal Shastri-Academic Associate at Indian Institute of Management Ahmedabad
6. Daitya Guru Shukracharya Yadav- Works at Trayambakam Arts N Crafts
7. Santosh R Murthy -Manager at SOTC - Kuoni Travel (India) Pvt. Ltd.
- 8 Ahmed MohammadTeach For India - Pune
9. Mr. Gopi Shankar – Australian embassy
10. Mr. Pavan DCP police department

Questions :31 to 35 no response

36. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

*STRENGTHS:*

- Committed and qualified, experienced Faculty Member, actively involved in
- Faculty is engaged in administration of the college
- The Department organizes field visits to historical places
- Special attention to academically weaker students and students from vernacular medium
- The Department is involved in display of paper cuttings on the notice board of Parishodana, a history association.

*WEAKNESS:*

- It is single man department
- Managed by visiting faculty

*OPPORTUNITIES:*

- The Department can organize field trips to historical places
- Upgrading the college Museum.

*CHALLENGE:*

- Is motivating the students in helping them to know the importance of study of history

39. Future plans of the department.

1. Continue with the Good Practices initiated by the Department
  - a) Special attention students from different Vernacular Background
  - b) Bridge courses for first time learners of history as a paper
  - c) Guest Lectures and field visits
2. Enable students to face competitive examinations.
3. Use of Audio-Visual media for providing additional inputs
4. Strengthen the existing college Museum.

### 13. EVALUATIVE REPORT OF THE DEPARTMENT OF INDUSTRIAL RELATIONS

1. Name of the Department & its year of establishment: INDUSTRIAL RELATIONS. 1986
2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D.): U.G. (B.A.)
3. Interdisciplinary courses and departments involved: N.A.
4. Annual/ semester/choice based credit system: Semester and Choice Based Credit System
5. Participation of the department in the courses offered by other departments: N.A.
6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)  
Sanctioned Filled  
Professors: nil  
Associate Professors: one  
Asst. Professors: nil
7. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	Experience
G.Anuplal	M.A.; SLET	Assistant Professor	Sociology of Industrial Relations	20

8. Percentage of classes taken by temporary faculty – programme-wise information
9. Programme-wise Student Teacher Ratio: I Year B.A. =95:01; II Year B.A.=85:01; III Year B.A.=62:01
- 10-13 no response
14. Publications:
  - 1.G.Anuplal (2016)Netaji Subhas Chandra Bose: Contributions of a Revolutionary to Indian Social Reforms & Indian Industrial Relations, Artha Journal of Social Sciences, 15, 1 ,July . [ISSN 0975-329X](#)
  - 2.G.Anuplal (2016)Emerging Trends In Global & Indian Business Scenario -Chapter 15: Indian Business Scenario And Indian Industrial Relations: A Critical Overview. [ISBN No. 978-81-923066-4-3](#); Himalaya Publishing House Pvt.Ltd. Mumbai
15. Details of patents and income generated: Nil
16. Areas of consultancy and income generated: Nil
17. Faculty recharging strategies :  
Attending mandatory Refresher Courses and other in-service training programmes /seminars /workshops etc.
18. Student projects
  - o percentage of students who have done in-house projects including inter-departmental : All final year B.A. Industrial Relations Students (100%)are involved in in-house projects in the form of Term Paper.
  - o percentage of students doing projects in collaboration with industries / institutes
19. Awards / recognitions received at the national and international level by
  - o Faculty : Nil
  - o Doctoral / post doctoral fellows : Nil
  - o Students :Nil
12. Seminars/ Conferences/Workshops organized and the source of funding (National / international) with details of outstanding participants, if any.:  
One National Seminar-in collaboration With Other Humanities Departments, funded by the U.G.C.  
UGC seminar : March 2017 gender and work collaborated with Sociology dept
21. Student profile course-wise: No Data
22. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations? : One-Defense Services
23. Student progression  
UG to PG 25%

24. Percentage of faculty who are graduates of the same parent university :  
From other universities within the State N.A.  
From other universities from other States N.A  
From same university: 100%

Question 25-27 No response

28. Does the department obtain feedback from

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

Yes. Necessary changes are incorporated in the Syllabus.

b. students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

c. alumni and employers on the programmes and what is the response of the department to the same?

Alumni and Industry Representative on the Board of Studies gives the feedback and necessary action is taken.

29. List the distinguished alumni of the department (maximum 10)

1. Mr. S.Mohan Raj H.R.Manager, Mylans Labs,
2. Mr. Jaykumar Alexander, H.R. Manager, Siemens,
3. Prof. R. Stephen Deepak, Faculty, Mount Carmel College of Management
4. Ms.Sucharita Dhar, H.R. Manager, Genpact
5. Col. C.P.Unni Krishnan, Indian Army
6. Mr. Gregory David, H.R.Executive, Future Group India
7. Mrs.Maria Saritha Roy, Senior Business Analyst, Banking Sector
8. Ms.Surabhi Rajagopal, Analyst, SELCO Foundation
9. Mrs.Shruti Goutham, Associate Editor, mDhil
- 10.Mr. Chetan Kumar, Senior Reporter, Times of India

30. Give details of student enrichment programmes (special lectures / workshops /seminar) with external experts.

Guest Lectures by eminent persons from Academics and Industry, Industry Visits, Student Documentation etc.

31. List the teaching methods adopted by the faculty for different programmes.

Lectures using Chalk & Board, OHP, Power point, Screening of documentaries, discussions using press cuttings.

32. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

Through Student Feed Backs and Feed Back from Alumni

33. Highlight the participation of students and faculty in extension activities.

Participation, paper presentation in various seminars, Internships etc.

34. Give details

Participation and Paper Presentation in National and International Seminars.

35.State whether the programme/ department is accredited/ graded by other agencies.. No

36. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

**STRENGTHS:**

- Committed, well qualified, experienced Faculty Member, actively involved in Paper Presentations and Publications and has good Rapport with the students
- Faculty is engaged in educational & career counselling and various extra/Co curricular activities of Students on a regular basis
- The Department has active Department Student Association engaged in various co curricular activities
- Special attention to weaker students and students from vernacular medium
- The Department is involved in Documentation of press cuttings on Industrial Relations themes, movie and Documentary Screening, Guest Lectures and Study trips

**WEAKNESS:**

- Hard pressed for time for more active interaction with students in connection with tutorials for weaker students and students from vernacular background, outside class hours
- Space constraints and lack of technical support for enlarging Dept. Library and Documentation Centre

**OPPORTUNITIES:**

- The Department can organise student seminars and workshops highlighting the state of Industrial Relations in different parts of India and Abroad, as the course has students from most of the Indian States and few Foreign Countries
- Using the powerful Brand Name of the college, the department can think of tie-ups for Departmental Development, student projects etc.

**CHALLENGE:**

- There is a threat perception from competitors- other colleges and deemed universities which introduce fancy courses which may affect the intake of conventional courses including IES. Attracting more students to this combination and retaining the present strength will be a challenge.

**39. Future plans of the department.**

- a) Special attention to I year students from Vernacular Background
  - b) Remedial Classes for weak students
  - c) Guest Lectures and Industrial/Organizational visits.
  - d) Constant updating of syllabus with more relevant topics enabling students to face competitive examinations for higher studies and career.
  - e) Enhanced use of Audio-Visual media for providing regular and additional inputs
  - f) Strengthen Documentation activities to enable students to have easy access to competitive examination related extra reading.
- a) Faculty to concentrate more on publishing and paper presentations.  
Assist in Organizing Inter-Departmental Regional/National Seminars.
-

#### 14. EVALUATIVE REPORT OF THE DEPARTMENT OF MATHEMATICS

1. Name of the Department & its year of establishment Department of Mathematics: 1923

UG-(EMS)-2010

PG- 2014

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D.,)

UG :PCM, PEM, PMC, MEC, EMS (2010)

PG- M.Sc. MATHEMATICS. 2014

3. Interdisciplinary courses and departments involved Certificate course: Non-Linear dynamics.

4. Annual/ semester/choice based credit system Semester and Choice based: *Semester and Choice based credit system*

5. Participation of the department in the courses offered by other departments: On Request

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors) Associate Professors: 4

Sanctioned Filled

Professors

Associate Professors: 4

Asst. Professors: 8

7. Faculty profile with name, qualification, designation, specialization,

	Name of the Faculty	Qualification	Designation	Specialization	No. of years of experience
1.	Ms. Renee D'souza	M.Sc., M.Phil,	Asso Prof & Head of Dept Mathematics	PDE, Matrices, Calculus	28 Years
2.	Dr. Stephen Titus	M.A, M.Phil, P.hD	Associate Prof & PG Co-ordinator	Fluid Mechanics, Measure Theory, Topology	28 years
3.	Mr. John J Binze	M.Sc., B.Ed, M.Phil	Associate Professor	Calculus, Analytical geometry	27 years
4.	Mr. A P Jain	M.Sc, M.Phil	Associate Professor	Algebra, Linear Algebra, Numerical Analysis	23 years
5.	Dr. K Madhukar	M.Sc, NET, M.Phil, P.hD.	Asst Prof	CFD and Fluid Mechanics, Algebra and Advanced Analysis	1 year & 6 months
6.	Ms. Maria Ancy	M.Sc , M.Phil	Asst Prof	Fluid Dynamics, Partial Differential Equations.	5 Years
7.	Ms.Mohammad Ayesha	M.Sc.	Asst Prof	Fluid Mechanics	4 Years
8.	Mr.Naveen Kumar.P	M.Sc.	Asst Prof	Fluid Mechanics, Numerical Analysis	2 Years.
9.	Mr. Taral D Shah	M.Sc.	Asst Prof	Linear Algebra, Graph Theory, Topology.	2 Years.
10.	Ms. Grace D D'Souza	M.Sc	Asst Prof	Graph theory	2 Years.
11.	Ms. Wilma L D'Souza	M.Sc. KSET	Asst Prof	Algebra, Graph Theory	6 Months
12.	Ms. Deepika Sebastian	M.Sc.	Asst Prof	Complex Analysis	6 Months

Percentage of classes taken by temporary faculty – programme-wise information: NIL

9. Programme-wise Student Teacher Ratio UG:-50:1 PG:- 22:1

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled:NIL



Questions 11 Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise. NIL

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received Not Applicable for UG: NIL

13. Research facility / centre with– Satisfactory: Good library with plenty of advanced books, subscription of many journals & internet facility.

o state recognition NO

o national recognition NO

o international recognition NO

14. Publications:

Dr. Stephen Titus, One in International Conference Proceedings and one in ASME Journal of Heat Transfer [ISSN NO:0022-1481](#)

15. Details of patents and income generated :NO

16. Areas of consultancy and income generated NO

17. Faculty recharging strategies NO

19. Student projects

o percentage of students who have done in-house projects including inter-departmental – About 5% students have done in-house projects, in the form of Term papers in UG and all the PG students have done projects as part of the syllabus in the 4<sup>th</sup> Semester.

• percentage of students doing projects in collaboration with industries / institutes NIL

20. Awards / recognitions received at the national and international level by

• Faculty NIL

• Doctoral / post doctoral fellows NIL

• Students 2015-16

1. Won the Overall Trophy at Alkya 2015 (Mount Carmel Fest)

2. Chaitra winning First place in Minute to win it and Mathematical Modelling

3. Runners-Up at Convergence 2015 (Christ University Fest)

4. Vanishree k and Aaruni Kaushik won second for Puzzles

5. B. Bharghav won second for Lecture Contest

6. John C.A, Daisy S and Reetama Das secured first place for Mathematical modelling at Vignana Vismaya (Jyoti Nivas College Science exhibition)

7. Chaitra G came in third for Debate and won third for Mathematical modelling with Prashanth and Rakshika in Aarohan (Christ PG fest)

8. Vaibhavi.M.S – Internship at IISER TVM

9. Vanishree Hegde K – National Programme for Differential Equations(NPDE) at LNMIIT, Jaipur.

10. Arjun.C.M – MTTTS 2015 held at SSN College of Engineering, Chennai.

11. Vaibhavi.M.S and Vanishree Hegde K – Mini MTTTS(November 2015) held at Belgaum.

12. Group Theory workshop at Cochin University – Attended by Vanishree Hegde K, Anantha Prasad, Bhavana, Desmond D’Souza, Yashas, Aditi.

13. Jayati Kaushik – II EMS gave a talk on mathematically modeling the venation patterns to understand the efficiency of transportation through these veins.

14. Chetana B.V. – III PCM gave a talk on "Craquelure", the fine pattern of cracks formed on the surface of materials such as dried paint.

15. Vishnupriya A - III PCM gave a talk on geometric interpretation of transformations using matrix multiplication and Eigen values. She also gave three more lectures on Group theory.

16. Students of our college attended Pravega which was the annual fest conducted by IISc Bangalore. Pravega was an eclectic blend of science culture and technology.

17. Two students of our college from 2<sup>nd</sup> year PCM presented papers in National conference conducted by Jyoti Nivas College on 6<sup>th</sup> and 7<sup>th</sup> February, 2014. Hamsini won 3<sup>rd</sup> prize for her paper.

18. Vishnupriya Anupindi- Patterns in Digital Roots of Various Sequences.

Hamsini Sukumar- To Test Whether Auditory or Visual Information is Retained Better in the Memory in 10-12 Year Old Children.

21. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Science Academies Workshop In Mathematics; With participants from; Christ University; Mount Carmel College; Jyothi Nivas; Central College; Jain University; Maharani College; St. Joseph's College

22. Student profile course-wise:

Com bina tion	2009 – 2012			2010 - 2013			2011 - 2014			2012 - 2015			2013 - 2016		
	A	C	%	A	C	%	A	C	%	A	C	%	A	C	%
PCM	45	29	64.4	42	23	54.8	29	14	48.3	35	24	68.6	59	31	52.5
PEM	40	28	70	35	14	40	29	17	58.6	18	10	55.6	37	14	37.8
PMC	60	44	73.3	61	42	68.8	49	23	46.9	49	31	63.3	61	36	59
ME C	42	28	66.7	46	27	58.7	36	19	52.8	40	17	42.5	46	25	54.3
EMS	--	--	--	23	12	52.1 7	32	24	75	21	15	71.4 3	35	25	71.43

PG

Year	2014-16		
	Adm.	Comp.	%
	18	16	88.9

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

(1) Defense services- 02

(2) NET - 20.

Note: A good number of students have cleared state civil services examination, but adequate information is not available.

24. Student progression

UG to PG :Above 100

23. Diversity of staff Percentage of faculty who are graduates

	Faculty name	same college	universities within state	Other universities other states
1.	Ms Renee D'Souza		University of Mysore	-----
2.	Dr. Stephen Titus		-----	Univesity of Madras
3.	Mr John J Binze		-----	University of Madras
4.	Mr. A P Jain		Bangalore university	
5.	Dr K Madhukar		Bangalore university	
6.	Ms. Maria Ancy		Christ University	
7.	Ms.Mohammad Ayesha		Bangalore university	
8.	Mr.Naveen Kumar P		Bangalore university	
9.	Mr. Taral D Shah		Christ University	-----
10.	Ms. Grace D D'Souza		Christ University	
11.	Ms. Wilma D'Souza	yes	Mangalore University	
12	Ms. Deepika Sebastian	yes	Bangalore university	
	Total	16%	83%	16%

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.  
One

27. Present details about infrastructural facilities

- a) Library: College libraries
- b) Internet facilities for staff and students: wi fi
- c) total number of class rooms :17
- d) Class rooms with ICT facility All
- e) Students' laboratories: Two
- f) Research laboratories not applicable

Number of students of the department getting financial assistance from College.

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

30. Does the department obtain feedback from

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it? Board of Studies and *Annual Faculty evaluation*

b. students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same? Fine tuning, Innovations, remedial programmes, Parent teacher meetings

c. alumni and employers on the programmes and what is the response of the department to the same? Alumni and Industry representative on the Board of Studies

31. List the distinguished alumni of the department (maximum 10)

- 1. Hamsini S
- 2. Vishnupriya A.
- 3. Chetana V

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts. Spectrum Programs

Format 1:

Year	Department	Seminars/workshops/conferences	Date of the event
2013-14	Mathematics	Special Lectures A talk by Prof. Uwe Storch Tushar Menon and Manasa Ramachandra Gulam Shaifullah	
2014-15	Mathematics	Science Academies Workshop In Mathematics	15/09/2014- 17/09/2014
2015-16	Mathematics	Dr. K Satheesh Kumar – Assistant Professor, Department Of Future Studies, Kerala University. How To Use Graph Theory In Building Networks Based On The Data Using Software Like Gephi. Ms. Kaumudi – P.Hd Scholar, Cornell University. Oscillations In Biological Systems. Mr. Anupam Pal Chaudar – P.Hd Scholar, TIFR Cam. Topology On A Number Line.	8/01/2016  27/08/2015

Format 2: 17 Faculty recharge

1. Dr. Stephen Titus “Lorenz Model for Taylor-Bénard Convection” at the National Conference on Emerging Trends in Fluid Mechanics and Graph Theory at Christ University, 16 – 17 February 2012, Bangalore.

2. Dr. Stephen Titus “Analytical Study of Heat transport using the Ginzburg – Landau Equation for Rayleigh-Bénard Convection with Vertical Throughflow” at the International Conference on Mathematical Modelling and Applied Soft Computing during July 11 – 13, 2012 at Coimbatore Institute of Technology, Coimbatore.

3. Dr. Stephen Titus “Analytical Study of Heat transport using the Ginzburg – Landau Equation for Magneto Convection” at the International Conference on Emerging Trends in Fluid Mechanics and Graph Theory at Christ University, 16-18 August 2012, Bangalore.

4. Dr. Stephen Titus Analytical study of heat transport using the Coupled Ginzburg – Landau equations for Rayleigh-Bénard convection with thermal radiation” at the International Conference on Emerging Trends in Fluid Mechanics and Graph Theory at Christ University, 14-15 March 2014, Bangalore.

33. List the teaching methods adopted by the faculty for different programs.

Lectures, Group Discussions, Short paper Presentations by Students, Digital resources from YouTube; Assignments; interactive lectures and field visits

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

With inputs from the Controller of Examinations; Department annual reports; inputs from Board of Studies and student feed back

35. Highlight the participation of students and faculty in extension activities: part of outreach programs organized by college

36. Give details

State whether the programme/ department is accredited/ graded by other agencies. Give details.  
NO

37. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

**STRENGTHS**

- Motivated, committed, passionate, hardworking and experienced staff
- Democratic atmosphere and the team work.
- Open to learn and creative in the phase of challenges.

Effective communication and management of self, department, student and management.

**WEAKNESSES**

- Our approach is largely traditional.

16 hours of teaching with administrative and academic duties and demand for research is yet to be balanced

**OPPORTUNITIES**

- To venture into application of mathematics in physics, chemistry, biological science and environmental science.
- giving interdisciplinary topics to our term papers.
- Start talking to SJC staff’s who use mathematics in their research.
- introduce interdisciplinary topics eventually such as financial mathematics etc.
- ForUG students offer topics such as mathematics for chemistry, physics, economics, computers
- Organize conference which could gives impetus interdisciplinary Studies.
- Conduct inter-college competitions, fest to bring together student from different discipline.
- Using technology, fun activities for our students to make mathematics attractive, captivating and thought provoking.
- Once in 5 year’s international conference and once in 3 year’s national conference in mathematical topics and in methods of teaching mathematics.

**THREATS**

- Changing Government policies (redeployment, lack of funding salaries and lack of aid for the new staffs)
- Ever changing student mentality towards study and employmen

Research in teaching methods in mathematics

39. Future plans of the department.

❖ Increase our bargaining capacity with the government by preparing for Departmental accreditation.

- ❖ Action plan for this- starting M.Sc. mathematics with active collaborations from different Central Institutions like NBHM
- ❖ Bringing out teaching materials for our courses and which can be shared by others colleges. Training and consultancy for secondary and higher secondary teachers.

To take the department to higher goals and make it a school of Mathematics

**40 BEST PRACTICES:** As a department, we always work for the betterment of the students. We keep the student's interest as our top priority. We in any way never try to harm the students and hamper their confidence.

## 15. EVALUATIVE REPORT OF DEPARTMENT OF MICROBIOLOGY

1. Name of the Department & its year of establishment

Microbiology, UG department was established in 1988 and PG Course in 1998

2. Names of Programmes/ Courses offered (UG, PG,.)

UG Programme –B.Sc. MCB/MCZ- and PG programme in M.Sc. in Microbiology

3. Interdisciplinary courses and departments involved

1. Certificate courses- a.. Principles of Genetic Engineering b. Food technology

2. Open electives under CBCS for UG – “Microbial Diseases: Causes, Prevention and Cure” and Open electives under CBCS for PG – “Microbes and Us”

4. Annual/ semester/choice based credit system

Semester and choice based credit system

5. Participation of the department in the courses offered by other departments

Certificate courses, term paper and Open electives (CBCS) for UG and PG

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)

Total – 8 faculty

3 unaided (Associate Professors), 5 unaided (Assistant Professors)

7. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

	Name of the faculty	Qualification	Designation	Specialization (M.Sc.)	Teaching Experience	Ph.D Guided 2012-2016
1.	Dr. Beatrice Sequeira	M.Sc, NET, Ph.D	Associate Professor	Microbiology	19 years	Nil
2.	Dr. Syed Wajeed	M.Sc, NET, Ph.D	Associate Professor	Microbiology	17 years	Nil
3.	Dr. Vanitha N M	M.Sc, Ph.D, SLET, B. Ed	Associate Professor	Microbiology	23 years	1
4.	Ms. W. Jothy	M.Sc, M.Phil, NET	Asst Prof	Microbiology	13 years	Nil
5.	Ms. Mamatha	M.Sc, NET	Asst Prof	Microbiology	7 years	Nil
6.	Dr. Popy Dutta	M.Sc, Ph.D	Asst Prof	Biotechnology	5 years	Nil
7.	Ms. Ria Saha	M.Sc, SLET	Asst Prof	Microbiology	4.5 years	Nil
8.	Ms. Shalmali Kamat	M.Sc, NET	Asst Prof	Microbiology	5.5 years	Nil

8. Percentage of classes taken by temporary faculty – programme-wise information

Ans: No temporary faculty

9. Programme-wise Student Teacher Ratio

PG 30:1 ; UG ~60:1 – theory

PG 15:1 ;UG 19:1- practical

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled

Lab assistants - 2(UG); 1 (PG)

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.

Major Research Projects Completed during 2012- 2016:nil

Ongoing Major Research Projects: 2012- 2016 : Nil

Ongoing Minor Research Projects during 2012- 2016

Si. No.	Name	Subject	Amount (Rs.)	Year of grant received	Funding Agency
1.	Dr. Syed Wajeed	Microbiology	1,90,000.00	2013	UGC
2.	Dr. Vanitha N M	Microbiology	70,000.00	2013	UGC
3.	Ms. Jothy W	Microbiology	1,90,000.00	2013	UGC

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received  
College has received the following amount under College for Excellence (CE) grants

Non-recurring	110 lakhs
Recurring	60 lakhs

13. Research facility / centre with

Both UG and PG labs are well equipped for research.

14. Publications: 2012-16

Name of the; Faculty	publications	Publication details only from 2012-2016	Impact factor(Past 5 Years given by Thomson Reuters)
Dr. Syed Wajeed	4	PLoS One9 (2014).	4.4
		J Struct Biol.190 (2015) 304- 313.	3.39
		The FEBS Journal (2016)	4.29

1. Syed W., Colaco M., Misquith, Mutational analysis gives insight into substrate preferences of a nucleotidyl cyclase from *Mycobacterium avium*. *PLoS One*9 (2014).

<http://dx.doi.org/10.1371/journal.pone.0109358>

2. Barathy DV, Bharambe NG, Syed W, Zaveri A, Visweswariah SS, Colaço M, Misquith S, Suguna K, Autoinhibitory mechanism and activity-related structural changes in a mycobacterial adenylyl cyclase. *J Struct Biol*.190 (2015) 304- 313. doi: 10.1016/j.jsb.2015.04.013

3. Bharambe N G, Barathy D V, Syed W, Visweswariah S, Colaço M, Misquith S, Suguna K, Substrate specificity determinants of class III nucleotidyl cyclases. *FEBS J*. 2016 Oct; 283(20):3723-3738. DOI: 10.1111/febs.13837

4. Popy Dutta, Goutam Kumar T, Soni Sharma, Shymal K Goswami, Sneha SudhaKomath, Marty W. Mayo, Joel W. Hockensmith, Rohini Muthuswami (2012) Global epigenetic changes induced by SWI2/SNF2 inhibitors characterize neomycin-resistant mammalian cells; *PLOS ONE*(2012); <http://dx.doi.org/10.1371/journal.pone.0049822>

5. Vanitha N.M, Catherine G (2012) "Isolation of cellulose degrading bacteria and yeasts from pineapple waste"; *International Journal of Current Research and Review- October 2012/Volume 4 issue 20, page 7-14.*

6. Vanitha NM(2013), Ethanol Production Potential of Bacterial and Yeast Isolates from Ripe Jackfruit Wastes, proceedings of the 3<sup>rd</sup> International conference on food technology, ISBN 1-0-978-81-926250-0-3

7. Vanitha NM (2013), Food Microbiology, Mc Graw Hill Education (India), 5<sup>th</sup> edition, ISBN 9781259062513

15. Details of patents and income generated :None

16. Areas of consultancy and income generated :None

17. Faculty recharging strategies

Presenting papers, academic meetings, organizing and attending seminars and workshops, faculty going as resource persons, attending faculty development program

18. Student projects

- percentage of students who have done in-house projects including inter-departmental
- percentage of students doing projects in collaboration with industries / institutes

Dr. Syed Wajeed- 22 UG term paper , 5 dissertation PG, 2 internship PG

Dr. Beatrice- 3 UG term paper, 6 PG dissertation

Dr. Vanitha NM- 6 dissertation PG

Ms. Jothy- 10 UG term paper, 5 dissertation PG

Ms. Mamatha- 4 UG term paper

Dr. Popy- 2 UG term paper, 5 dissertation PG

Ms. Ria- 3 UG term paper

Ms. Shalmali- 8 UG term paper

19. Awards / recognitions received at the national and international level by

- Faculty - Nil
- Doctoral / post doctoral fellows - None

Students Pursuing PhD

20. Seminars/ Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any.

Sln	Seminars/Workshops/Conferences Organized	YEAR	Source Of Funding
1	'Kaleidoscope-Seeing The Unseen' – State Level	2014-2015	UGC
2	“Emerging And Re-Emerging Infectious Diseases”	2016-2017	Indian Academy Of Sciences

21. Students applications received course-wise:

Year	Course	Male	Female	Total
2012	B.Sc. [MCB]	9	4	13
	B.Sc. [MCZ]	36	10	46
2013	B.Sc. [MCB]	10	10	20
	B.Sc. [MCZ]	33	16	49
2014	B.Sc. [MCZ]	68	22	45
	B.Sc. [MEC]	21	56	90
2015	B.Sc. [MCB]	45	9	54
	B.Sc. [MCZ]	92	34	126
2016	B.Sc. [MCB]	31	16	47
	B.Sc. [MCZ]	123	28	151

POST GRADUATE

YEAR	FEMALE	MALE	TOTAL
2012	31	0	31
2013	28	3	31
2014	62	10	72
2015	41	10	51
2016	79	18	97

PASS PERCENTAGE UG

C	2009 - 2012			2010 - 2013			2011 - 2014			2012 - 2015			2013 - 2016		
	A	C	%	C	A	C	%	C	A	C	%	C	A	C	%
MCB	17	12	70.5	16	8	50	8	4	50	12	8	66.6	15	8	53.3
MCZ	32	26	81.2	27	21	77.7	23	15	65.2	40	23	57.5	45	9	64.4

PASS PERCENTAGE -POST GRADUATE

	2010 - 2012			2011 - 2013			2012 - 2014			2013 - 2015			2014 - 2016		
	Admitted	Completed	%	Admitted	Completed	%	Admitted	Completed	%	Admitted	Completed	%	Admitted	Completed	%



Micr obiol ogy	30	30	100	29	26	89. 66	29	27	93. 1	29	22	75. 86	28	18	64.29
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23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

UG and PG Programs	No. of Students qualify NET/GATE/INSPIRE etc. during last 3 years			
	2012	2013	2014	2015
NET		2	1	1
GATE			2	1
K-SET		1		3
INT-PHD		3	2	
IAS Summer Fellowship?	2	3		

24. Student progression

Student progression	Percentage against enrolled
UG to PG	Approx 75%
PG to Ph.D	Approx 10%
Employed Campus selection	Refer placement officer report
Employed Other than campus recruitment	50% (Industry) 25% (Teaching and Others)
Entrepreneurs	Data not available

25. Diversity of staff

Staff who have joined the department from 2012-2016

Percentage of faculty who are graduates of the same parent university	62.5% (5/8)
Percentage of faculty who are graduates from other universities within the State	0% (0/8)
Percentage of faculty who are graduates from other universities from other States	37.5% (3/8)

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period. 2 faculty were awarded Ph.D.

27. Present details about infrastructural facilities

a) Library: Common Library one for UG and one for PG

b) Internet facilities for staff and students: Available

c) Total number of class rooms

Course	No. of Class Rooms
MCB/MCZ	3
PG	2

d) Class rooms with ICT facility

Courses	No. of Class Rooms
MCB/MCZ	3
PG	2

e) Students' laboratories

UG: 3 Labs and PG 2 Labs

f) Research laboratories: 2

g) Number of students of the department getting financial assistance from College.

Data not available with the department

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology. No

30. Does the department obtain feedback from

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

Yes. Board of studies (BOS) meeting, incorporating the suggestions by experts in our curriculum,, students feedback on staff, curriculum as well as teaching-learning-evaluation.

b. what is the response of the department to the same?

Faculty acknowledge the critique in a positive manner and try to incorporate suggestions in the curriculum.

c. Alumni and employers on the programmes and what is the response of the department to the same?

YES (One alumni is part of the BOS), College PRO office maintains feedback from employers.

31. List the distinguished alumni of the department

1.Mr. Francis Prashanth- entrepreneur (Maitems Analytics), Bangalore.

2.Dr. Vinod George – Associate Prof. Department of Biochemistry, St. John ’s Medical College, Bangalore.

3.Dr. Veena S. Anil- Associate Prof. Dept. of Agriculture Biotechnology, College of Agriculture, Hassan.

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

Date	Name of the Speakers	Institute	Title
28/7/ 2012	Dr. V Shivaram	Associate Professor in Botany, Bangalore University	“Honeybees: their importance in Agriculture, Forestry, Health and Environment.”
	Dr. Nainita Roy Bhowmick	Post doctoral fellow, inSTEM, NCBS	Heat shock protein 90: Biology and Anti-Protozoan drug target.
11/7/ 2013	Prof. MRN Murthy	Molecular Biophysics Unit, IISC.	‘Year of Crystallography’
21/9/ 2013	Dr. Bhonde (Dean) Dr. Sudha Warriar Dr. Anujith Kumar Dr. Rajarshi Pal	Manipal Institute of Regenerative Medicine	‘Glimpses and glory of stem cells’
10/12/ 2014	Dr. Sandhya Visveswariah Dr.Renee Borges Dr. Dipankar Nandi Dr.John Kenneth Dr. Binay Panda	MRDG, Indian Institute of Science CES, Indian Institute of Science Department of Biochemistry, Indian Institute of Science, Bangalore SJRI IBAB	‘Kaleidoscope-Seeing the Unseen’
2015	Dr. Nishad Matange	Research associate, MRDG, Indian Institute of Science, Bangalore	Antibiotic resistance - A growing concern
4 <sup>th</sup> March 2016	Ninad Mehta	Ph.D student, University of Alberta, Canada	‘Role of Apoptosis inhibitors in Pox viral infections’
16- 17/9/2016	Emerging and re-emerging infectious Diseases		
	Dr. Saumitra Das	Dept. of Microbiology and Cell Biology, IISc, Bengaluru	“Hepatitis C virus infection: Our strategies to fight back.”

	Dr. Uday Kumar Ranga	Molecular Biology and Genetics Unit, JNCASR, Bengaluru	“Duplicate and replicate : A new trick up the sleeve of HIV -1 subtype C.
	Dr. Hemalatha Balaram	Molecular Biology and Genetics Unit, JNCASR, Bengaluru	“Metabolism in the malarial parasite <i>Plasmodium falciparum</i> .”
	Dr. Utpal Tatu	Dept. of Biochemistry, IISc, Bengaluru	“A heated discussion on Malaria.”
	Dr. Sandhya S. Visweswariah	Dept. of Molecular Reproduction, Development and Genetics, IISc, Bengaluru	“ <i>Mycobacterium tuberculosis</i> : communication is the key.”
	Dr. Rahul Roy	Centre for BioSystems Science and Engineering, IISc, Bengaluru	“Quantitative single virus genomics to understand flavivirus evolution and life cycle.”
	Dr. Mary Dias	Dept. of Microbiology, St John’s Medical College, Bengaluru	“Diagnosis of emerging and re-emerging infectious diseases.”

33. List the teaching methods adopted by the faculty for different programmes.

Board and chalk, ICT, Quiz, group discussions, assignments, field-trips, industrial visits, dissertations, term papers, internships.

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

Continuous assessment of their performance, viva-voce, presentations, demonstrations of practical skills, critical questioning in exams, open viva for dissertations and feedback from students is taken. Also regular departmental discussions on upgradation of the curriculum and overall development of students.

35. Highlight the participation of students and faculty in extension activities.

Students take active part in organizing intercollegiate fests, organizing workshops and seminars in coordination with faculty of the department. They also take part in outreach programs, tackle fests and other college co-curricular and extracurricular activities.

36. State whether the programme/ department is accredited/ graded by other agencies. Give details. NA

37. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

Ans: SWOC Analysis – Department of Microbiology

Strengths:

1. Qualified, experienced, Technologically sound, young and dynamic staff
2. Well equipped laboratories
3. Increase in the course demand ratio
4. Our staff are a part of BOS and BOE of other reputed colleges and institutes
5. Department conducts 2 certificate courses

Weakness:

1. Lack of space, funding and time constraint for carrying out research
2. Lack of campus recruitment options.

Opportunity:

1. To present research and scientific findings in seminars or journals
2. Collaborations with other national and international universities and industries
3. Tapping the potentials

4. Strengthening Interdepartmental research
5. Resource management

Challenges:

1. Overlapping syllabi between departments.
2. New emerging courses and colleges, and competitive institutes.

38. Future plans of the department.

- Increase placement opportunities on campus
- Collaborations with research institutes and industries
- To tap more resources : resource sharing and fellowships (summer fellowships for staff)
- To apply for major research projects
- Organise collaborative faculty development programmes
- Organise State level, National level seminars and conferences
- Up gradation of infrastructure and labs to accommodate curriculum demands

39. Innovations introduced during this academic year which have created a positive impact on the functioning of the department. Give details.

- Students do dissertations and internships in institutes of high repute which builds contacts and enhances collaborative work.
- Faculty members from the Department being resource persons to other institutes.
- Procurement of new instruments for the upliftment of labs.

## 16. EVALUATIVE REPORT OF THE DEPARTMENT OF PHYSICS

1. Name of the Department & its year of establishment : Physics , 1923
2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : UG and PG
3. Interdisciplinary courses and departments involved : CBCS and DBT
4. Annual/ semester/choice based credit system :Semester with CBCS
5. Participation of the department in the courses offered by other departments : NIL
6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)  
Sanctioned Filled  
Professors : Nil  
Associate Professors : 9  
Asst. Professors : 5
7. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

	Name of the faculty	Qualification	Designation	Experience	Specialization
1.	Dr. Sandiogo	M.Sc, Ph.D.	Asso Prof	30 years	Nuclear Physics
2.	Mr. Maria Sahaya Raj	M.Sc, M.Phil	Asso Prof	27 years	Solid State Physics
3.	Dr. Veena Adiga	M.Sc, M.Phil Ph.D.	Asso Prof	25 years	Solid State Physics
4.	Lora Rita Goveas	M.Sc, M.Phil	Asso Prof	25 years	Electronics
5.	Joselin Joseph	M.Sc	Asso Prof	28 years	Space science and applied electronics
6.	Dr. Rabbi Akkiba Angiras	M.Sc, Ph.D	Asso Prof	21 years	General physics
7.	Sheela Jose Thomas	M.Sc, M.Phil	Asso Prof	20 years	Electronics
8.	Bruno E	M.Sc, M.Phil	Asso Prof	20 years	Electronics
9.	Bessy Esthaline	M.Sc, M.Phil	Asso Prof	26 years	Electronics
10.	Arun Varma Thampan	M.Sc, Ph.D	Asst Prof	6 years	Astrophysics
11.	Parul Goel	M.Sc, NET	Asst Prof	6 years	Electronics
12.	Veena S Parvathi	M.Sc, Ph.D	Asst Prof	3 years	Astrophysics
13.	Ricky Wilfred G	M.Sc,	Asst Prof	2 years	Material science
14.	Kennedy R.	M.Sc, B. Ed M.Phil, Ph.D	Asst Prof	3 years	Material science
15.	Sreelakshmi Hariharan(Left)	M.Sc, M.Phil	Asst Prof	5 years	Solid State Physics

8. Percentage of classes taken by temporary faculty – programme-wise information : Nil
9. Programme-wise Student Teacher Ratio : 40:1.
10. Number of academic support staff (technical) and administrative staff: sanctioned and filled: Lab technicians : 5
11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise. : Nil
12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received :
13. Research facility / centre with  
o state recognition : Nil  
o national recognition : Nil

o international recognition : Nil

14. Publications:

Sl.No	Name	Publications	Title of the journals	Impact factor
1	Prof. C.A.R Maria Sahayaraj	1	Chalcogenide	0.7
2	Dr. Veena Adiga	1	1. Pramana, Journal of physics	0.72
3.	Prof. Lora Rita Goveas	3	1. Journal of Applied Physics(JAP) 2. Applied Magnetic Resonance 3. Journal of magnetism& magnetic materials	2.259 1.15 2.357
4.	Dr. Arun Verma Thampan	1	Monthly notices of Royal Astronomical Society	4.952

\*Details of Staff Publications are included in the appendix

15. Details of patents and income generated : Nil

16. Areas of consultancy and income generated : Nil

17. Faculty recharging strategies : Attending conference, seminars and workshops, inviting guest speakers from eminent scientific institutes like RRI, IIA, ISRO, Manipal etc., Sl.No.

Year Name Of The Faculty Details Of The Seminars/Workshops/Conferences (Attended/Poster Presented/Paper Presented/Resource Person)

1. Mr C.A.R. Maria Sahayaraj 2013-14 Published paper titled “ Investigation on Structural and optical properties of thermally evaporated SnSe thin films” in Chalcogenide letters.
2. Mr C.A.R. Maria Sahayaraj 2015-16 presented a poster titled “Impact of annealing on InSe<sub>2</sub> thin films prepared by thermal evaporation technique at an International Conference of Frontiers in nanoscience and nanotechnology at Shastra University in February 2016.
3. Dr. Veena Adiga 2012-13 Two day lecture workshop on ‘current developments in atomic and Nuclear physics’ between February 6-7, 2013 conducted by Christ University, Bangalore-29
4. Ms .Lora Rita Goveas 2012-13 Poster presentation at International conference on Material Science and Technology (ICMST 2012) held at St. Thomas College Pala, Kottayam, Kerala, from 10-14, June 2012.
6. Ms .Lora Rita Goveas 2013-14 Paper presented at International conferences on “recent advances in material science and technology” surathkal, Karnataka and at a symposium at IISc Bangalore
7. Ms Lora Rita Goveas Poster presentation at 55th Annual Rocky Mountain Conference on Magnetic Resonance held at Denver, Colorado, USA from July 28-August 1, 2013.
8. Poster presentation at 55th Annual Rocky Mountain Conference on Magnetic Resonance held at Denver, Colorado, USA from July 28-August 1, 2013.
9. Ms Lora Rita Goveas Poster presentation at In House Symposium Department of Physics, IISc, Bangalore held on 16th November 2013.
10. Ms Lora Rita Goveas Oral presentation at IUMRS –ICA 2013 conducted by The Material Research Society of India held at I.I.Sc., Bangalore from 16-20th December 2013.
5. Ms Lora Rita Goveas 2014-15 presentation at 5th International Conference on Nanoscience and Technology (ICONSAT-2014) organized by Institute of Nano Science and Technology held at Punjab University, Chandigarh from 2-5th March 2014.
6. Ms Lora Rita Goveas Poster presentation at 2014 MMM Conference organised by Magnetic Society held at Honolulu, Hawaii, USA from 3-7th November 2014.
7. Ms Lora Rita Goveas Poster presentation at Joint International Conference of APES-IES-SEST-2014 held at Nara, Japan from 12-16th November 2014.
8. Dr. Lora Rita Goveas 2015- 16 Poster presentation at Indo-French “Women in Science” held at Indian Institute of Science, Bangalore from 3rd-5th February 2015

9. .Dr. Rabbi Akkiba Angiras 2012-13 Science Academies' Lecture workshop – Condensed matter physics and photonics.
10. .Dr. Rabbi Akkiba Angiras 2013-14 Science Academies' Lecture workshop - Exploring the Universe.
11. Dr. Rabbi Akkiba Angiras 2014 Delivered a lecture at the Jain University, Bangalore on Radio Astronomy,
12. Dr. Rabbi Akkiba Angiras 2015-1 Delivered a Lecture at the Jain University, Astronomy, July 2015
13. Attended a workshop at IIST, June 2015
14. Delivered a series of lectures at Mahatma Gandhi University, Kerala Jan 2016
12. Ms Sheela thomas 2012-13 Experimental Physics Maharani's college.
13. Ms .Sheela thomas 2013-14 A two day lecture workshop on 'current developments in atomic and Nuclear physics' between February 6-7, 2013 conducted by Christ University, Bangalore-29

19. Student projects :

1. Anushree Ranka attended the "Vacation Student Programme" and did a project on "Nature of UV Background at Low Red-Shift" at IUCAA, Pune. (5 May-19 June 2015)
2. Disha P. Kapasi has published a paper titled "The Occurrence Altitudes of Middle Atmospheric Temperature Inversions and Mesopause over Low-latitude Indian Sector" in Annales Geophysicae. (19 Aug 2014).
3. Bryan Rithesh Miranda and Komala S. of II M.Sc. presented a poster during the Astronomical Society of India Conference held in IISER, Mohali. (20-22 Feb 2014)
4. Disha P. Kapasi participated and presented a paper in the "18th National Space Science Symposium (NSSS) 2014" held at Dibrugarh University, Dibrugarh. (29 Jan-1 Feb 2014)
5. Chetana D of II MSc Physics attended the PLANEX workshop organised by Physical Research Laboratory (PRL), Ahmedabad, and did a project titled "Orbital Parameters of Asteroids" at PRL. (Jan 2012)

o percentage of students who have done in-house projects including inter-departmental :

about 30 % (term paper). – minor projects.

o percentage of students doing projects in collaboration with industries / institutes :

20. Awards / recognitions received at the national and international level by

o Faculty

o Doctoral / post doctoral fellows

o Students

21. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any. :

a) Two days State level Seminar titled "Science from Space: new findings and challenges ahead" organized by the department partially funded by ISRO in September 2015.

	No of colleges participated	No. of students participated
Colleges in Bangalore	8	44
Colleges outside Bangalore	10	45

b) "Workshop on Modern optics" an Raman Research Institute Outreach programme organized by Department of Physics in February 2016.

22. Student profile course-wise:

Combin ation	2009 - 2012			2010 - 2013			2011 - 2014			2012 - 2015			2013 - 2016		
	Ad mit ted	Co mpl eted	%	Ad mit ted	Co mpl eted	%	Ad mit ted	Co mpl eted	%	Ad mit ted	Co mpl eted	%	Admitted	Comple ted	%
PCM	45	29	64.4	42	23	54.7	29	14	48.3	35	24	68.5	59	31	52.5
PEM	40	28	70	35	14	40	29	17	58.6	18	10	55.5	37	14	37.8
PMC	60	44	73.3	61	42	68.9	49	23	46.9	49	31	63.3	61	36	59
Physics (PG)	19	15	78.9	21	9	42.9	20	16	80	22	11	50	21	11	52.4

Statement of Admissions – Gender wise										
Combination	2012-13		2013-14		2014-15		2015-16		2016-17	
	M	F	M	F	M	F	M	F	M	F
PCM	25	16	43	24	39	23			44	29
PEM	20	6	30	15	34	18			47	14
PMC	34	26	42	26	38	22			46	21
Physics PG	4	16	5	17	6	15	10	10	10	20

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

One student named Aman mittal has cleared Indian Administrative Service exam.

NET:1

KVPY:1

JNCASR POCE:1

IAS Summer Fellowship:1

29. Student progression

Student progression

UG to PG 25%

PG to M.Phil. 1%

PG to Ph.D. 1%

Ph.D. to Post-Doctoral

Campus selection 60%

Other than campus recruitment 15%

30. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.:

2 received Ph.D and 1 submitted thesis.

27. Present details about infrastructural facilities

a) Library : Department's Space Science library only for the students certificate course "Space and Rocket dynamics" funded by ISRO.

b) Internet facilities for staff and students : Yes

c) Total number of class rooms : 9

d) Class rooms with ICT facility : 3

e) Students' laboratories : 5

f) Research laboratories : nil

Number of students of the department getting financial assistance from College.

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology. : nil

30. Does the department obtain feedback from?

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it? Nil

b. students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same? Nil

c. alumni and employers on the programmes and what is the response of the department to the same? Nil

31. List the distinguished alumni of the department (maximum 10)

- |                      |      |                                     |
|----------------------|------|-------------------------------------|
| 1). Ramya Nagarajan- | 2013 | IISc Bangalore.                     |
| 2) Vaishnavi Rao-    | 2014 | ULM University.Germany.             |
| 3)Bharadwaj          | 2011 | Bonn university. Germany.           |
| 4. Chetana           | 2015 | Ruhr University.Germany.            |
| 5)Vishnupriya        | 2015 | Kaiserslautern University. Germany. |
| 6) Hamsiny Sukumar   | 2015 | University of Paris.                |
| 7)Kaumudi            | 2008 | Cornell university USA              |
| 9)Aditi              | 2016 | IISc Bangalore                      |
| 10)Srimayi           | 2013 | JNCASR Bangalore.                   |



32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

1. Public lecture delivered by Prof. Clifford Will as a part to Einstein's lectures organized by the ICTS-TIFR in 2016.
2. Two days workshop on modern optics as a part of Raman Research Institute outreach program in 2016.
3. ISRO sponsored two days state level seminar on "Science from Space – new finding and challenges ahead" in 2015.
4. Tek olma -2014, a one day physics workshop.
5. Phynics- 2014, a one day physics workshop.
6. One week Science Academies Lecture workshop on exploring the universe in 2014.
7. Four days Science academies lecture workshop on condensed matter physics and Photonics in 2013.

33. List the teaching methods adopted by the faculty for different programmes :

Experiment demonstration, powerpoint presentation, students presentations.

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

- i) Every lab session is assessed through viva and through their observation and tabulation work.
- ii) Problem solving and quiz activities are held to check the level of understanding and skill of application of the concepts.
- iii) Regular discussions are held among the students and with the students and the expertise from outside college as well.
- iv) students are encouraged the take up extra courses offered by the various research institutes such as IISc, IIA, JN Planetarium, ISRO.

35. Highlight the participation of students and faculty in extension activities.

- i) The students and faculty are engaged in organizing night sky observation for the students of our college and other colleges/schools and public.
- ii) Intercollegiate certificate course in collaboration with ISRO.
- iii) Through simple experimental demonstrations, concepts of physics are explained to the rural school students (tackle fest)
- iv) Guest lectures are delivered by the faculties at various educational institutions.
- v) The faculties are involved in various selection committees (vishweshwaraiya Technological museum, staff selection commission, govt. of India,)
- vi) students were taken to visit ISAC, Gauribidanuar, Kavalur, Shriharikotta
- vii) Faculty members are members of board of studies (BOS) of other colleges.

38. State whether the programme/ department is accredited/ graded by other agencies. Give details. : No

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

#### Strengths

1. Passion for teaching and learning.
2. Ability to convert the constraints into opportunities.
3. Integrity, commitment and openness.
4. Positive attitude
5. Approachable to the students

#### Weaknesses

1. Unable to publicize the work done.
2. Lack of inter-departmental collaboration.
3. No interaction with other colleges/universities due to autonomy
4. Overall working atmosphere in the departments so that teachers and students feel more secure.

5. Teachers are not able to involve in research due to lack of time as they are made to involve in other administrative work significantly

#### Opportunities

1. Opportunities to generate funds/instruments by interacting with other institutes.
2. Generating new computer based methods for teaching and evaluating
3. Develop new courses by collaborating with different institutes which is more relevant to our social needs.
4. Night sky Observation sessions held for the schools and colleges in Bangalore.
5. Online courses can be offered.

#### Challenges

1. Job insecurity
2. Lack of clarity in the stated policies
3. Lack of space
4. Lack of funds

39. Future plans of the department :To set up research lab and apply for major and minor research projects, to strengthen the collaboration with research institutes like RRI, ISRO.

#### 4. Post-accreditation Initiatives

##### Publications

1. Dr Arun Varma Thampan Sudip Bhattacharyya, Ignazio Bombaci, Domenico Logoteta and Arun V. Thampan, Fast spinning strange stars: possible ways to constrain interacting quark matter parameters. *MNRAS*, vol 457, no. 1, pp. 3101 – 3114.
2. Nagaiah Kambhala, Miaoxiang Chen, Peng Li, Xi xiang Zhang, Desapogu Rajesh, K.S. Bhagyashree, Lora Rita Goveas, S.V.Bhat, P.Anil Kumar, Roland Mathieu, S. Angappane, ‘Study of coexisting phases in Bi doped  $\text{La}_{0.67}\text{Sr}_{0.33}\text{MnO}_3$ ’, *Journal of Magnetism and Magnetic Materials*, 436, 22-29 (2016).
3. L. R. Goveas, K. N. Anuradha, K. S. Bhagyashree, and S. V. Bhat, ‘Comparative study of magnetic ordering in bulk and nanoparticles of  $\text{Sm}_{0.65}\text{Ca}_{0.35}\text{MnO}_3$ : Magnetization and electron magnetic resonance measurements’. *J. Appl. Phys.*, vol. 117, no. 17, p. 17E111, (2015).
4. L. R. Goveas, K. S. Bhagyashree, K. N. Anuradha, and S. V. Bhat, ‘Comparative study of magnetic ordering in bulk and nanoparticles of  $\text{Sm}_{0.65}\text{Ca}_{0.35}\text{MnO}_3$ : Magnetization and electron magnetic resonance measurements’, *Appl. Magn. Reson.*, vol. 46, no. 2, (2015).
5. C.A.R. Mariasahayaraj, A.Mohan, V. Arivazhagan, S. Rajesh, ‘ Investigation on Structural and Optical properties of thermally evaporated SnSe thin films’, *Chalcogenide letters*, vol 11, no. 2, p. 47-52. (2014).
6. Swarnamala Sirsi, Veena Adiga and Subramanya Hegde, ‘Entangling capabilities of symmetric two-qubit gates’, *Pramana – journal of Physics*, vol 83, no. 2, p. 279-287. (2014)

## 17. EVALUATIVE REPORT OF DEPARTMENT: POLITICAL SCIENCE

1. Name of the Department & its year of establishment

Department of Political Science

UG: 1928

UG (HEP, EPS); CPE: 2016

PG: 2006

2. Names of Programmes / Courses offered (UG, PG, Ph.D., etc.)

Undergraduate:

B.A.

History- Economics- Political Science (HEP)

Economics -Political Science -Sociology (EPS)

Communicative English-Political Science-Economics (CPE)

M.A (Political Science)

3. Interdisciplinary courses and departments involved:

UG: Optional papers: Legal Literacy, National law school of India University,

PG: Optional papers: Open Elective for Students titled 'Readings in Indian Polity'

4. Annual/ semester/choice based credit system

UG: Semester system including one choice based credit course

PG: Semester system including one choice based credit course

5. Participation of the department in the courses offered by other departments:

Students graduating in Economics pursue a Choice based credit course and Certificate Courses offered by other departments.

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)

Category	Sanctioned	Filled
Professors	N/A	N/A
Associate Professors	2	2
Assistant. Professors	3	3

7. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

	Name of the Faculty	Qualification	Designation	Specialization	years of experience
1.	Mr. Jerome Nirmalraj	M.A	Asso Prof & Head of Dept	International relations	33 years
2.	Dr. P.E. Somaiah	M.A, M.Phil, PhD	Asso Prof	Public administration	25 years
3.	Dr. Priyanka Mathur Velath	M.A, M.Phil., PhD, NET-JRF	Asst Prof & PG co-coordinator	Public Policy and Governance; Refugee Studies and Forced Migration	4 Years
4.	Dr. Sujit Kumar	M.A, PhD, NET-JRF	Asst Prof	Indian Political System	1 Year
5.	Dr. Sanam Roohi	M.A, PhD, NET	Asst Prof	Transnational migration, Financial flow, Political thought	6 Months
6.	Dr. Maria L. Sailo(left)	M.A., M.Phil., PhD, NET-JRF	Asst Prof	Indian Politics, Constitution of India	2 Years
7.	Ms.Aparajita Das (left)	M.A	Assistant Professor	International Relations, Foreign Policy	3 Years

8. Percentage of classes taken by temporary faculty – programme-wise information: Nil

9. Programme-wise Student Teacher Ratio

Undergraduate: BA: 80:1                      B.Sc: 34:1

Post graduate: MA: 10:1

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled:  
Nil

11. Number of faculty with ongoing projects

No ongoing projects in the Department

12. Departmental projects funded by DST-FIST; DBT, ICSSR total grants received :

None

13. Research facility / centre with:

State Recognition: No

National Recognition: No

International Recognition: No

14. Publications: 2012-16

1. Jerome Nirmal Raj and Etienne Rassendren (2016) "Laudito Si: Promoting Ecological Sustainability through Catholic Higher Education" in Catholic Higher Education in India: Rethinking Purpose and Context, Christ University, Bengaluru, India. ISBN: 978-93-82305-94-1

2. Velath, P.M and Amarjeet Singh (2015) "Migration from North East India: Discrimination and Racism", Journal of the National Human Rights Commission, Volume 14, pp. 233-246, 2015, ISSN 0973-7596

3. Velath, P.Mand Chopra, K (2015) "The Stateless People – Rohingyas in Hyderabad" in Majumdar, S., Velath, P.M., Chopra, K. and Chakraborty, M. Rohingyas in India: Birth of a Stateless Community, Policies and Practises, No 71, September, Mahanirban Calcutta Research Group, Kolkata. ISSN 2348 0297

4. Velath, P.M (2013) Book Review of Thomas W.D. Davis and Brian Galligan (eds), Human Rights in Asia, Edward Elgar Publishing, Inc., Massachusetts, 2011, in Indian Journal of Human Development, Volume 6, Number 2, pp. 321-324. ISSN 0973 – 7030 9770973 703000

5. Maria L. Sailo's (2015)book review "Understanding the Other and the Self," a review of Joy L. K. Pachuau, Being Mizo: Identity and Belonging in North East India, was published in The Book Review, Volume XXIX No., 6 June 2015, pp. 288

6. Sujit Kumar (2016)People's Response to Land Dispossession: Comparative analysis of Movements across India In Varsha Bhagat-Ganguly (ed.) Land Rights in India: Policies, Movements and Challenges. ISBN: 978-1-138-95579 (cbk). pp.215-229. New Delhi: Routledge.

7. Sanam Roohi Reddy (2016) "Governmentalising NRI Philanthropy in Andhra Pradesh: A Transregional Approach to India's Development", in Accumulation in Post-Colonial Capitalism, ed by Iman Kumar Mitra, Ranabir Samaddar and Samita Sen. Singapore – Springer. ISBN 978-981-10-1036-1DOI 10.1007/978-981-10-1037-8

15. Details of patents and income generated: None

16. Areas of consultancy and income generated:

Dr Priyanka Mathur Rs 2,04,000 International Expert to conduct Capacity Training Workshops on Federalism for Civil Society Actors and State Legislative Assembly Members in Mandalay, Myanmar, from November 18-24, 2016 by the Forum of Federations, Myanmar Office.

International Expert to conduct Training Workshops of Trainers on Decentralisation from January 14 - 18, 2017 by the Forum of Federations and Myanmar Egress in Yangon, Myanmar.

17. Faculty recharging strategies:

Faculty	Resource Person	BOS	Seminars/workshops
NA	NA		4
NA	NA		

18. Student projects

Percentage of students who have done in-house projects including inter-departmental:

- About 5% students have done in-house projects, in the form of Term papers.
- Student dissertation: the post graduate students have completed 76 dissertations during 2012-2016 various subjects in the discipline which involved both primary and secondary data

19. Awards / recognitions received at the national and international level by Faculty

1. Dr. Priyanca Mathur Velath has been appointed as Member of Editorial Board of Refugee Law Reader, Hungary (2013-16).
2. Dr. Priyanca Mathur Velath received the Schomburg Fellowship, Ramapo College, Mahwah, New Jersey, U.S.A. (October 2015)
3. Awarded funding of Rs 1 Lakh from the 'Seed Grant for Research' by St. Joseph's College, Bangalore to conduct a year-long Research Project (November 2016-17) titled "Nation - State and its Members: Dilemma of Citizenship and 'Outsiders' in India"

Doctoral / post doctoral fellows:

4. Dr. Sujit Kumar was awarded PhD in Political Science from Institute for Social and Economic Change (ISEC) on the subject titled- "*A Study on Politics of Dispossession and Underdevelopment: Appropriating Local Mechanisms in West Singhbhum of Jharkhand,* " on 16 August 2016.
5. Dr. Sanam Roohi was awarded PhD in 2016 from the University of Amsterdam.

20. Awards / recognitions received at the national and international level by

Doctoral / post doctoral fellows - none

Students:

1. Ashwathy Vijayan: Interned with the Nodal Center of Excellence for Human Rights Education at the School of Law, Rights and Constitutional Governance, Tata Institute of Social Sciences, from November 1-16, 2014.
2. Research intern with Dr. K.M. Parivelan, Associate Prof on an ongoing project on Exploring Durable Solutions For Sri Lankan Refugees In India, and concluded it as M.A. Dissertation on "Post-Conflict Developments in Post-War Sri Lanka"
3. Awarded fellowship to attend the Bandaranaike Center for International Studies, Colombo, Sri Lanka between 22 April - 14 June 2014.
4. Short course on Gender and Forced Migration from 17-20 February, 2015 at Bangkok organised by Asia Pacific Refugee Rights Network (APRRN) and the Institute for Human Rights and Peace Studies at Mahidol University, Thailand
5. Awarded Special Achievement Prize at the College Day Program and was elected Best Outgoing Student (PG).
6. Dinesh Rajgopal presented a paper at a three-day International Conference on "India's Asian Order: Culture, Economy and Security", at the Dept. of Civics and Politics, University of Mumbai from December 8-10, 2014
7. Riffath Khaji (Co-authored with Aparajita Das) published an article titled "Uncertain Pakistan", *Deccan Herald*, December 21, 2014.
8. Kriti Chopra (Co-Authored with P.M. Velath) published an article titled "The Stateless People – Rohingyas in Hyderabad" in Majumdar, S., Velath, P.M., Chopra, K. and Chakraborty, M. *Rohingyas in India: Birth of a Stateless Community*, Policies and Practises, No 71, September, 2015 Mahanirban Calcutta Research Group, Kolkata. ISSN 2348 0297
9. Alwyn D'Souza was awarded 3<sup>rd</sup> place in a team event (senior category) at the All India National Kung Fu Karate Tournament conducted at Hosur Tamil Nadu on 22<sup>nd</sup> February, 2015.

10. Summaiya Khan's (M.A. Political Science) article, "Civil Nuclear Liability Regime and Indian Nuclear Power Sector" was published in ISSSP Reflections, No.29, on 23<sup>rd</sup> July, 2015.
11. Ananth Shreyas interned with Swarajya, a magazine based out of Bangalore. During his internship he worked with editorial team, from May 1, 2015 to June 1, 2015
12. Summaiya Khan interned with Institute for Strategic and Security Studies Programme (ISSSP) National Institute of Advanced Studies (NIAS). Worked on Nuclear Liability issues under Dr. Arun Vishwanathan from April 20- June 1 2015.
13. Vishaka V. Warriar worked as a Research Assistant to Prof. Supriya Roychowdhury at the Institute for Social and Economic Change from 25 April 2016 to 1 June 2016.
21. Seminars/ Conferences/Workshops organized and the source of funding (national / International) with details of outstanding participants, if any.

Year	Seminars/Workshops/Conferences (State, National and International) - Title	Date of the Event
2012-2013	UGC Sponsored national seminar on teaching the social sciences	29-30 <sup>th</sup> November 2013

22. Student profile course-wise:

Name of the Course	Year	Total Applications	Applications (Male)	Applications (Female)	Admitted	Pass Percentage
B.A(HEP)	2012 - 15	91	49	42	68	(2015) 36.76
	2013 - 16	77	49	28	65	(2016) 49.23
	2014 - 17	175	115	60	NA	NA
	2015 - 18	210	135	75	NA	NA
	2016 - 19	233	149	83	NA	NA
B.A(EPS)	2012 - 15	104	50	54	83	(2015) 57.83
	2013 - 16	94	59	35	89	(2016) 57.3
	2014 - 17	208	138	70	NA	NA
	2015 - 18	247	125	122	NA	NA
	2016 - 19	276	160	116	NA	NA
B.A (CPE)	2016 - 19	151	71	80	NA	NA

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

NET-3; Defence-2

24. Student progression

UG to PG: Above 100 (in numbers)

PG to M.Phil: 10

PG to Ph.D.: 5

Ph.D. To Post-Doctoral: 1

25. Diversity of staff: Percentage of faculty who are graduates Same University, Other universities within state, other universities other states

S. No.	Faculty name	Same university	Other universities within state	Other universities other states
1.	Jerome Nirmalraj	Bangalore University		
2.	Dr. P.E. Somaiah	Bangalore University		
3.	Dr. Priyanca Mathur Velath	-----	-----	University of Burdwan
4.	Dr. Sujit Kumar		-----	Patna University
5.	Dr. Sanam Roohi			Calcutta University
	Total	40%	0%	60%

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period-  
Two

27. Present details about infrastructural facilities

a) Library: UG and PG department library

b) Internet facilities for staff and students: Yes

c) Total number of class rooms: PG: 2 UG: 4

d) Class rooms with ICT facility: PG: 2 UG: 4

e) Students' laboratories: PG students use the computer science lab for research methodology classes

f) Research laboratories: Not applicable

34. Number of students of the department getting financial assistance from College- avail different scholarship?

35. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

B.A. (Communicative English, Political Science, Economics) were introduced after discussion among faculty of other Department, BOS meeting.

34. Does the department obtain feedback?

Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

Yes feedback is taken from students by analyzing examination results, assignment quality and term paper quality and informal discussion with students. The responses when ever feasible are converted into actions.

In the PG dept 'open elective' was offered to students from multiple disciplines.

e. Students on staff, curriculum as

f.

g. well as teaching-learning-evaluation and what is the response of the department to the same?

The question paper pattern was restructured on the basis of feedback obtained. Action has been taken on the feedback by changing the question paper pattern, organizing remedial classes, encouraging peer teaching, conducting mock examination, and offering a workshop on writing a term paper. Assignments are given to meet their individual learning needs

c. Alumni and employers on the programmes and what is the response of the department to the same?

Having an Alumni member in the Board of Studies has contributed to getting insights into the past syllabus and their suggestions on teaching methodology and assignments have been taken and put to practice.

35. List the distinguished alumni of the department (maximum 10)

1. Dr. Rajeev Gowda- Prof M V Rajeev Gowda is an Indian politician and academician. He is a member of parliament in the Rajya Sabha since July 2014 and a national spokesperson for the Indian National Congress. Professor of Economics and Social Sciences and the Chairperson of the Centre for Public Policy at the Indian Institute of Management, Bangalore

2. Dr. Vijoo Krishanan, leading political figure; General Secretary AIKMS

3. Nakul Krishna, Rhodes Scholar;

4. Anant Kamat, Faculty Azim Premji;

5. Manas Ranjan Pathak, Judge, Guahati High Court,

6. Vishal Gunni- S.P, Nellore Andhra Pradesh.

7. Brijesh Kallappa, Legal Advisor to Chief Minister of Karnataka;

8. A.B. Subbaiah (Olympian) & C.S.Poonacha (Olympian)

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

The department organizes several guest lecturers from specialist in different fields of economics and other subjects having interdisciplinary approach.

YEAR SEMINARS/WORKSHOPS/CONFERENCES (State, National and International) -  
TITLE

1. 2012-13: 'Teaching Social Sciences in the Millennium – Challenges and Opportunities', a two – day national – level UGC Seminar on November 29& 30, 2012
2. Legal literacy – Juvenile Law Sexual Offences Against Children, Child Marriage and Child Labour by CCL on January 26, 2013
3. Conference on Sexual Violence Against Women (NLSIU Campus) – February 14, 2013
4. India's Look East Policy – Mr. Eric Gonsalvez
5. Central Asia in India's Foreign Policy – B R Muthu Kumar
6. Student Information Session – Dominic Eggel, Representative , Geneva Institute
7. Interactive session with Dr. Ramachandra Guha, Author and Historian, December
8. Presentation on Wildlife and Conservation of Tigers – Aaron Elangovan
9. 2013-14Seminar: A seminar to commemorate 50 years of Martin Luther King Jr. in association with the US Consulate Chennai at the American Corner, Bangalore
10. Workshop : Visit of Mr. Premkumar from the American Library, US Consulate Chennai on Library Resources – August 23, 2013
11. Visit of Mr. Eric Swinn (Vice Counsel, US Consulate General, Chennai) on the study programs in the USA – January 27, 2014
12. Colloquium: Discourse on the Polity of the Maldives, Sri Lanka and India by Mr. Satya Moorthy, a Political Analyst and the Director of observer research foundation in Chennai – July 25, 2013
13. Understanding Pakistan: A socio- political perspective' by Mr. Aditya Sondhi, practising Law Advocate at the Supreme Court of India and the Karnataka High Court – August 13, 2013
14. Model Parliament: A thirty member student team trained by the Department Which took part in the inter-collegiate Model Parliament competitions organized by YMCA, Bangalore.
15. Field Vist: A student study trip to Government Cocoon Market, Dept of Sericulture, Ramnagar & Police Training School, Channapatana Taluk., Ramanagar District.
16. Panel Discussion: 'Trends in Centre-State Relations in India'.
17. The esteemed panellists were Veerappa Moily, Former Union Minister and Former Chief Minister of Karnataka, Father Sunith Prabhu, Rector, St. Joseph's College of arts and Sciences, S. Ramanathan, Chairman of IIPA Karnataka Regional Branch and Jeevan Kumar, Professor and Dean, Faculty of Arts, Dept of Political Science, Bangalore University.
18. Lecture Series:Prof. Supriya Roy Choudhary, Institute of Social and Economic Change, spoke on "Importance of Social Science Research: Pursuing Political Science for Higher Research".
19. Vice Adm (Retd) Vijay Shankar, Formal Commander-in-Chief of Strategic Forces Command of Indian Armed Forces, spoke on "Nuclear Security in the 21st Century: Threats and Opportunities".
20. Dr. Ravindra A, former Chief Secretary, Govt. of Karnataka spoke on "Good Governance: Challenges and Opportunities in the 21st Century".
21. Prof. Cheriyan Alexander, Head of the Dept. English, St.Joseph's College, Bengaluru spoke on "Interpretation of Leo Tolstoy's War and Peace".
22. Lt. Gen Ramesh Halgali, Former Deputy Chief of Indian Army, spoke on "Role of Indian Army in Nation Building".
23. Mr. Shashi Kumar Velath, Program Director, Amnesty International spoke on "Media in Conflict Resolution: Role and Relevance in the 21st Century"
24. Mr. Premshekara, Former Prof. Pondicherry University, spoke on "Three Frontiers Theory: Analyzing the India-Pakistan Animosity"
25. Dr. Donald Kirk, Veteran Correspondent, Forbes, spoke on "United States and the Korean Peninsula: Problems and Prospects in the 21st Century"
26. Dr. Shalini Rajneesh, Principal Secretary, Dept. of Personnel and Administrative Reforms, Govt. of Karnataka spoke on "Bureaucracy and Administration in India: Issues and Concerns in the 21st Century"
27. Dr. Michael Rajanathi, C.V. Raman Young Scientist Award, Govt. of Karnataka and Coordinator, PG Dept. of Chemistry, St.Joseph's College, Bengaluru spoke on "General Elections 2014: Is there Hope at all?"
28. Prof. P.E.Somaiah, Associate Prof., UG Dept. Of Political Science, St.Joseph's College, Bengaluru spoke on "Development Administration in India: A Constitutional Framework"



29. Dr. Gerald Rosenberg, University of Chicago spoke on “Court, Constitution and Social Change: the US Experience”
30. Justice Venkatachaliah, Former Chief Justice, Supreme Court of India, spoke on “Venkatachaliah Committee Report: A Perspective”
31. Prof. Sandeep Shastri, National Coordinator, Lokniti Network spoke on “2014 Lok Sabha Elections-the Political Context”
32. Vice Admiral R.N.Ganesh, Indian Nuclear Submarine Program , spoke on “Defending India: Past and Present”
33. Interaction:Mr. Sunimal Fernando, Advisor to President of Sri Lanka, interacted with students on “Indo-Sri Lanka Relations in the 21st Century”
34. Workshop:Brigadier. Arun Ananthnarayan conducted a workshop on “Building Opinion Leaders”
35. Panel Discussion:By Dr. Suba Chandran, Dr. Chengappa Bidanda and Mr. Anand K. Arni on “Contemporary Issues and Challenges in Pakistan”
36. 2014-15Colloquium:“The State of the Economics Discipline Conformities , Heretics and Alternatives”by Dr Ananth Kamat , Faculty Azim Premji University.
37. Lecture and book review of “The Politics and Economics of Regionalism” by Ambassador (Rtd) and former foreign Secretary government of India, Mr Eric Gonsalves
38. A lecture and discussion on Higher Education opportunities in USA, by the United States Consulate
39. Field Visit: A study trip to Navadarshanam an Eco Wilderness and organic farm in Krishnagiri district
40. Round Table: Understanding conflict and crisis in West Asia, with participation from other colleges, Panelists Ambassador (Retd) Muthukumar, Dr MJ Vinod,Bangalore University, Dr BM Chengappa, Christ University and Brig Satyendra Kumar (Rtd)
41. Lecture Series:Ambassador B. R. Muthu Kumar, IFS (Retired) spoke on ‘Peace Process in Afghanistan and India- Afghanistan Relations’.
42. Mr. Ashraf Haidari, Deputy of Chief Missions, Afghanistan, spoke on the “Indo- Afghan relations in a Changing World: The Way Forward”.
43. Prof. Cheriyan Alexander, HOD, Department of English, St. Joseph’s College spoke on ‘Satire and Allegory as Modes of Cultural and Political Resistance’.
44. Post-Graduate Department of Political Science organized an inaugural debate on ‘Failure at Reinventions has Reduced the Salability of Higher Education in Humanities’. Panelists were Prof. Sandeep Shastri; Pro V C Jain University; Prof. Micheal Rajamathi, Chemistry Department, St. Joseph’s College; Prof. Subhasini Muthukrishnan, Economics Department, St. Joseph’s College; and Prof. Elizabeth, National Law School, Bangalore.
45. Ambassador T.P. Srinivasan, IFS (Retired) spoke on ‘India’s Nuclear Policy’
46. Panel Discussion on “Trends on Center-State Relations 58th Theme Paper for Annual Members Conference of IIPA”, 2014 by Veerappa Moily, Former Union Minister and Former Chief Minister of Karnataka, S. Ramanathan, Chairman, IIPA, Karnataka Regional Branch, Jeevan Kumar Prof. and Dean, Dept. of Political Science, Bengaluru University and Fr. Sunith Prabhu. This was organised by IIPA at St. Joseph’s College, Bengaluru.
47. Guest Lecture:Prof. A.K. Shiva Kumar, Member of National Advisory Council on “Reflections on the Indian Economy during the UPA years”.
48. Dr. M.J. Vinod, Chairperson, Department of Political Science, Bangalore University on “Relevance of Research and Identifying Area of Interest”.
49. Ambassador Eric Gonsalves on “India and China: Roles and Relations in the coming Asian Century”.
50. Shailesh Rai and Divya Iyer, Amnesty International India, discussed on “Debating Death Penalty in India”.
51. Mr. Ashraf Haidari, Deputy of Chief Missions, Afghanistan, spoke on the “Indo- Afghan relations in a Changing World: The Way Forward”
52. Prof. Cheriyan Alexander, HOD, Department of English, St. Joseph’s College spoke on ‘Satire and Allegory as Modes of Cultural and Political Resistance’.

53. Student Seminar: The First Post-Graduate Student Seminar was on “The State of the Indian Republic 2015”. The inaugural event was a debate on “Failure at Reinvention has Reduced the Saleability of Higher Education in Humanities”. Panelists were Prof. Sandeep Shastri; Pro V C Jain University; Prof. Micheal Rajamathi, Chemistry Department, St. Joseph’s College; Prof. Subhasini Muthukrishnan, Economics Department, St. Joseph’s College; and Prof. Elizabeth, National Law School, Bangalore.
  54. 2015-16 International Conference : In Collaboration with Indian Ocean Comparative Education Societies (IOCES) and Authentic Learning Associates (ALA), Bengaluru,
  55. Colloquium: Interactive session with Dr Ramachandra Guha, Historian
  56. Guest lecture by Dr Joga Rao, Visiting Professor, National Law school of India University, Abolition of Capital Punishment.
  57. Dr. H.T. Sangliana, IPS (Retd) gave a lecture on “Policing and Politics: Crises in Both”.
  58. Dr. M. Amarjeet Singh, Associate Professor, Centre for North-East Studies and Policy Research, Jamia Milia Islamia (University), New Delhi gave a guest lecture on “Developmental Challenges in the India – Myanmar Borderland”.
  59. Ms. Namratha Harish, Assistant Professor, Department of English, St. Josephs College gave a lecture on “India’s urban women and their use of new media for self expression”
  60. Panel Discussion on “Higher Education at Crossroads” chaired by Mr. S.V. Ranganath, IAS (Retd), Former Chief Secretary, GOK. Panelists were Prof. Jeevan Kumar, Professor and Dean, Faculty of Arts, Dept of Political Science, Bangalore University, Dr. M. K. Sridhar, Canara Bank School of Management Studies, Bangalore University, Former Secretary, Karnataka Knowledge Commission and Dr. Subhashini Muthukrishnan, Associate Professor and Head of Dept. of Economics, St. Josephs College (Autonomous). It was organised in association with the Indian Institute of Public Administration (IIPA).
  61. 2016-17 Changemaker Week: Rohini Nilekeni, founder of Arghayam, Anshoo Gupta, founder of the NGO Goonj, and Shaheen Mistri, Founder of Teach for India, inaugurated the Changemaker Week, on social entrepreneurship, organized by the Masters Departments of Political Science and Communication, SJC, in collaboration with Ashoka Innovators for the Public and Deccan Herald.
  62. “Dissent and Development: Contemporary Challenges to Democracy in India and the World”. Panelists were Prof. Cheriyan Alexander, Prof. Kiran Jeevan, Mr. Prithvi Chanda, Student, Dept. of English and Ms. Tanya Monteiro, Student, Dept. of Social Work.
  63. Guest Lecture by Dr. Christian Wagner, Titled : 'Terrorism in South Asia.' Dr Christian Wagner is Senior Fellow at the German Institute for International and Security Affairs (SWP), Berlin.
  64. Discussion: titled 'Reconceptualising Refugee Rights: Appropriating Myriad Avatars' on the occasion of World Refugee Day, the Master's Department of Political Science. It was led by Prof. D. Jeevan Kumar, Department of Political Science, Bangalore University,
  65. Panel Discussion titled- ‘The Idea of India in Jammu & Kashmir: The Complex reality-Cocktail Of Alienated Citizenship, Desire For Political Autonomy And Expression of Violent Resistance’. The Panelists were: Dr. Ambrose Pinto, Ambassador B.R. Muthukumar, IFS (Retd), Prof. M.J. Vinod, Prof. Suba Chandran and Mr. Aijaz Rahi
33. List the teaching methods adopted by the faculty for different programmes.  
 Effective delivery of lectures, guest lectures, screening documentaries, seminars and colloquium, field visits  
 UG, PG students are given opportunities to present their assignment topics as PPT presentation in class
  34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?  
 Teaching methodologies, nature of assignments, and presentations done in class ensure that the learning objectives are met as much as possible. Student response in examinations and assignments, participation in intercollegiate competitions and winning awards indicate to their learning the subject. Their ability to secure internships and complete them successfully

indicates that the objectives are being met. The successful completion of PG student's dissertation indicates their ability to carry out independent research.

**39. Highlight the participation of students and faculty in extension activities.**

All students attend the college Outreach Program. Industrial visits are organized to visit Toyota factory, Nandini Dairy KMF, GKVK campus.

**36. Give details. State whether the programme/ department is accredited/ graded by other agencies.**

Yes, the college has an outreach centre which monitors and assesses these outreach program

**37. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department**

**Strengths:**

1. The Political Science department carries a legacy of almost eight decades and has been able to flourish as it draws meritorious students from across the country;
2. Rich repertoire of alumni presently holding important positions in administration, corporate and several other fields;
3. Students passing out of the PG Department have been able to clear competitive exams like NET, civil services etc;
4. The UG section has inspired the students to opt for Political Science as their subjects in further academic career.
5. The faculty members have been regularly publishing their research works; The P G department faculty has published in well-known peer-reviewed journals like Journal of the National Human Rights Commission, Seminar, Policies and Practises Series.
6. Faculty members also are invited to speak at prestigious national and international seminars.

The PG Department's idea of entrepreneurship festival Changemaker Week: was reiterated and endorsed when it was possible to bring influencers like Magsaysay Awardee, Anshu Gupta, Shahin Mistry of Teach for India and Ms. Rohini Nilekani amongst other prominent personalities to the college.

**Weaknesses**

1. Due to general perception about the discipline, the discipline has failed to attract many students.

**Opportunities:**

1. The P G Department has good opportunity to conduct seminars where PG students across humanities can present and discussed their ongoing research work.
2. Need to diversify the scope of the discipline by providing additional training in quantitative tools and techniques;
3. The idea for introducing courses like Public policy to cover the increasing scope of studies in governance;
4. The department finds a lot of opportunities in establishing a peer network to take further the good work done by the SJC to other colleges in Bangalore and Karnataka;
5. An aggressive advertisement about the courses offered by the college and department

**challenges:**

1. The department is aware of the increasing marketisation and the need to update itself to cater to the requirements of the students;
2. More transparent functioning of the Board of Examination was suggested

**38. Future plans of the department.**

- To have an alumni meet in 2017 to celebrate the 10 years of the PG dept and 103 years of the UG dept of Economics.
- To start a few diploma courses in Economics on weekends.
- Staff training programmes for Bank employees in collaboration with RBI.
- Explore possibilities of faculty exchange, student exchange, twinning programmes with other universities and sign MOU s in this regard.

- To offer Msc course in Economics
  - Introduce a optional paper in big data analytics
39. Innovations introduced during this academic year which have created a positive impact on the functioning of the Department. Give details.
- Remedial classes taken by PG students, conducting preparatory exams and valuation of answer scripts by PG
  - change in question paper pattern, has improved performance
  - introduced choice based papers
  - Faculty assigned different tasks , encouraged to pursue research
  - Dissertation work divided into four component with marks for each component to facilitate work on time
  - Practical classes and examination for software in research methodology course
40. Give the Best Practices of the department
- Democratic leadership and team working among faculty, recognising individuals for their performance, abilities
  - Encourage faculty into research and conducting seminars
  - Discussion with faculty members before deciding change/introducing new units/ any activity
  - Utilization of PG students for remedial work for UG students
  - Intercollegiate activities organized by students to develop leadership and managerial skills
  - Presentation of internship report to both first year and second year PG ensures sharing of knowledge among all of the world of work outside
  - Dissertation work divided into four component- proposal seminar, work in progress seminar and final presentation.
- Seminar ensures timely and effective completion of work . For all such seminars first years students are also required to attend

## 18. EVALUATIVE REPORT OF THE DEPARTMENT OF PSYCHOLOGY

1. Name of the Department & its year of establishment  
Department of Psychology and counseling - 2013
2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)  
Psychology - UG
3. Interdisciplinary courses and departments involved: Nil
4. Annual/ semester/choice based credit system: Semester system
5. Participation of the department in the courses offered by other departments  
Life skills paper for the IBSW students was handled by the Psychology Department.
6. Number of teaching posts sanctioned and filled (/Associate Professors/ Asst. Professors)  
Sanctioned Filled - 4  
Asst. Professors- 4
6. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name of the Faculty	Qualification	Designation	Specialization	years of experience
Neeta Periera	M.Sc	Asst Prof	Clinical psychology	4
Doyel Neogi	M.Sc	Asst Prof	Clinical psychology	3
Soumya R R	M.Sc	Asst Prof	HRDM(industrial Psychology)	2
Gayathri Devi R	M.Sc	Asst Prof	Counseling psychology	3

8. Percentage of classes taken by temporary faculty – programme-wise information - NIL
9. Programme-wise Student Teacher Ratio 40:1-

### question no 10-20 no response

21. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

International Conference – Higher Education in the 21 <sup>st</sup> Century: Trends and Challenges in collaboration with social work dept	UGC + St. Louis in USA	In Collaboration with St. Louis in USA
International Conference – Community Mental Health: Trends and Challenges in collaboration with social work dept	UGC	University of North Carolina

24. Student profile course-wise: No Data

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations? NA

24. Student progression : no data as yet

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period. - Nil

27. Present details about infrastructural facilities

- a) Library
- b) Internet facilities for staff and students wifi
- c) Total number of class rooms 3 classrooms and 1 lab
- d) Class rooms with ICT facility -02
- e) Students' laboratories - 01
- f) Research laboratories

Question 28 & 29 no response

30. Does the department obtain feedback from

- a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?
  - SWOT analysis on current curriculum
  - And initiatives on the weakness seen will be taken up in meetings and worked on for betterment.

b. students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

- feedback is considered as inputs and is taken forward to implement in the following semester whenever necessary.

c. alumni and employers on the programmes and what is the response of the department to the same?

- feedback is considered for improving the syllabus and nature of the CIAs given.

31. List the distinguished alumni of the department (maximum 10) NA

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts –

\* NGOs – Diya foundation, Head streams

\* guest lectures – Dr. Ashok, Dr. Chaitra

\* workshops – Handwriting analysis

33. List the teaching methods adopted by the faculty for different programmes – games and activities, movies, documentaries, field exposures, street plays, quiz, movie review.

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored? Through CIAs, reports, Mid-sem exams.

35. Highlight the participation of students and faculty in extension activities- safe hands NGO for suicide awareness day

Question 36 and 37 no response

39. Future plans of the department.

\* to start a new triple majors UG course.

\* Establish more laboratories

\* offer more counseling services through collaboration with external agencies.

\* to have well equipped counseling rooms.

#### SWOT Analysis

Strengths of the Department:

1. High student-teacher relationship rapport.
2. Vocational interest levels in the subject increased because of exposure trips.
3. Exposure programs have helped in the overall development of knowledge in the subject.
4. The idea internships has increased awareness about the social issues and has brought about application based learning.
5. Various activities were conducted through the association.

Weaknesses of the department:

1. There was less transparency in the department.
2. There were not enough departmental meetings held through the year to discuss important issues.
3. New and uniform methods for teaching were not implemented.
4. Not enough focus on counselling.
5. Not enough guest lectures' were organized.

Opportunities of the department:

1. To address and focus more about counselling services on campus.
2. To break the stigma and spread awareness about the importance of mental health in both students and the faculty.
3. To conduct talk on various topics and current trends in psychology.
4. To introduce printed laboratory work book for the students to make it more organized.
5. New lab equipments to be introduced.
6. To bring up new policies with respect to conduction of practical exams.
7. To create scientific and inquisitive environment for the students to develop more.

Challenges

Space constraints for psychology lab, counselling rooms and department.

## 19. EVALUATIVE REPORT OF THE DEPARTMENT OF SOCIAL WORK

1. Name of the Department & its year of establishment: Social Work established in 2005
2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.): BSW (Bachelors of Social Work) and MSW (Masters of Social Work), Dip in NGO Management
3. Interdisciplinary courses and departments involved: Certificate Course in Gender Studies, Personal Growth and Peer Counseling
4. Annual/ semester/choice based credit system: Semester System
5. Participation of the department in the courses offered by other departments
6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors): All positions are Management Positions  
Sanctioned Filled  
Professors: NA  
Associate Professors: NA  
Asst. Professors: 9
7. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

S N	Name of the faculty	Qualification	Designation	Specialization (MSW)	teaching Experience
1.	Mr .Kiran Jeevan	MSW, LMSW, NET	Asst Prof	Medical Social Work	6
2.	Lt. Akshay DM	MSW	Asst Prof	Community Development	6.5
3.	Ms Latha Paul	MSW	Asst Prof	Community Development	5
4.	Sr. Amitha	MSW, NET	Asst Prof	Community Development	4
5.	Dr. Mary Lavanya	MSW, M.Phil, PhD	Asst Prof	Medical and Psychiatric Social Work	3
6.	Ms Viola N	MSW	Asst Prof	Medical and Psychiatric Social Work	3
7.	Alan Godfrey	MSW, NET	Assistant Professor	Medical and Psychiatric Social Work	1
8.	Fr. Simon Paul	MSW, NET	Assistant Professor	Community Development	1
9.	Glasdon	MSW	Assistant Professor	Community Development	1
10.	YJ Rajendra	BA.LLB, MSW	Assistant Professor	Community Development	10

Questions 8 to 15 no response

16. Areas of consultancy and income generated:

Prof. YJ Rajendra	Assessment of condition of Manual scavengers in Karnataka through RTI intervention General Secretary, People's Union for Civil Liberties -
Prof. Kiran Jeevan	Member, Education Committee, CSI-KCD
Prof. Nirmal Das	Consultant For Child Line 1098
Prof. Latha Paul	Management Committee - SCMI

Questions 17 to 19 no response.

20. Awards / recognitions received at the national and international level

o Faculty: Prof. Kiran Jeevan – The Center for Social Justice Award, instituted by Saint Louis University, MO USA

Prof. Akshay DM – Best in Drill, Best Contingent Commander, Best in Theme Performance, Best in Weapon Training (Silver Medal)

Lt. Akshay DM, AMI of KAR ARMD SQN selected as officer in charge of the KAR&GOA Directorate's RDC 2017 Contingent .2016

Awarded Deputy Director General COMMENDATION card

ANO Incharge Of Karnataka And Goa Directorate for Republic Day Camp 2017

All India runners up at Prime Minister's Rally, Republic day camp 2016

Performed at BRICS Summit 2016 Goa

Prof. YJ Rajendra – Ashoka Fellow

o Doctoral / post doctoral fellows

o Students: I MSW (Batch of 2012) Yuve Chetana Award for Community Service

21. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

	SEMINARS/WORKHOPS/CONFERENCES (State, National/International)	DATE OF THE EVENT
1.	UGC-Community Development: Trends and Challenges'	January 2011
2.	UGC Social Work in a Pluralistic Society	August 2012
3.	Regional Conference – Human Trafficking	22nd/2/ 2013
4.	Regional Seminar – Social Work Practice: Emerging Trends	
5.	2 <sup>nd</sup> Social Justice Night – Mr. Thangarajan Information Commissioner, Govt of Karnataka	28 <sup>th</sup> /8/2013
6.	Regional Seminar on MDG with World Vision	9/ 2013
7.	Regional Seminar on Trafficking and Special Talk by Dr. Sunitha Krishnan, Founder Prajwala (Alumni SJC)	12 <sup>th</sup> 11/2014
8.	3 <sup>rd</sup> Social Justice Lecture – Dr. Vandana Shiva Founder of Navdanya	29 <sup>th</sup> /8/2014
9.	1 <sup>st</sup> Dr. Ambedkar Memorial Lecture	6 <sup>th</sup> /12/ 2014
10.	UGC Sponsored International Conference – Higher Education in the 21 <sup>st</sup> Century: Trends and Challenges In Collaboration with St. Louis in USA	11 <sup>th</sup> and 12 <sup>th</sup> /12 2014
11.	4 <sup>th</sup> Social Justice Lecture – Dr. Kanchla Illiah Noted Writer, Activist and Professor	31 <sup>st</sup> /8 2015
12.	UGC Sponsored International Conference – Community Mental Health: Trends and Challenges University of North Carolina	11 <sup>th</sup> and 12 <sup>th</sup> /12/ 2015

22. Student profile course-wise:

Name of the Course	Applications received	Male	Female	Selected	Male	Female	Pass percentage
(refer question no. 2)							

Question 23 to 26 no response.

27. Present details about infrastructural facilities

a) Library: YES

b) Internet facilities for staff and students: YES

c) Total number of class rooms: BSW – 3, MSW – 2

d) Class rooms with ICT facility - BSW – 3, MSW – 2

e) Students' laboratories

f) Research laboratories

Number of students of the department getting financial assistance from College.

Question 29 no response.

30. Does the department obtain feedback from

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it? - Yes

b. students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same? - Yes



c. alumni and employers on the programmes and what is the response of the department to the same? - Yes

31. List the distinguished alumni of the department (maximum 10):

Saravanan (Founder AGNI),

Mohit Chopra (Founder, Center for Tribal Art),

Cyril Prabhu (General Secretary, NSUI, Karnataka),

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts. No response

33. List the teaching methods adopted by the faculty for different programmes.:

- ❖ Assignments, Documentary reviews, Seminar presentations
- ❖ Social movie reviews, Community programmes ,Group work
- ❖ Micro and macro research studies, Case study analysis
- ❖ Policy analysis, Societal analysis
- ❖ Chalk and talk
- ❖ Visual aids,Power points and slide shows, Group discussions
- ❖ Debate, Quiz and snap tests are conducted periodically,Role plays

34. Future plans of the department.

- M.Phil Program
- Diploma in NGO Management

## 20. EVALUATIVE REPORT OF THE DEPARTMENTS: SOCIOLOGY

1. Name of the Department & its year of establishment: Sociology, established in 1<sup>st</sup> June 1937.
2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) :

Courses offered under UG are EPS and IES. EPS started in 1959 and IES started in 1987.

3. Interdisciplinary courses and departments involved: Choice based credit system is going to begin from November 2016.

4. Annual/ semester/choice based credit system: Both

5. Participation of the department in the courses offered by other departments: Presenting papers in their seminars, Chairperson in their seminars, participating in their seminars and Guest lectures.

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors) Sanctioned - 3 post, filled – 3

Sanctioned Filled

Professors: NA

Associate Professors: 1

Asst. Professors: 1, visiting: 1

7. Faculty profile with name, qualification, designation, specialization,

Name :	Qualification	Designation	Specialization:	years
Dr.Berin Lukas	PhD	Asso Prof HOD	Urban Sociology and Sociology of Women	27
Maria David	MPhill	Asst Prof	Urban Sociology	09
DavFod	MA NET	Asst Prof		5

8. Percentage of classes taken by temporary faculty – programme-wise information : I – IES 40% of classes are taken by Dev Fod ( Part time faculty). III IES 100% of classes are taken by Dav Fod- Paper title: Sociology of Gender.

9. Programme-wise Student Teacher Ratio : 1: 160

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled: No academic support staff, No technical and administrative staff.

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise. : One, a) UGC funding, b) -, c) 1,10,000

Question no 12. -20 no response

20. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

UGC : Gender And Work 2017

22. Student profile course-wise: NA

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

Question 24 & 25 no response.

26. Number of faculty who were awarded Ph.D.during the assessment period. : NA

27. Present details about infrastructural facilities

a) Library: Yes

b) Internet facilities for staff and students: Yes

c) Total number of class rooms

d) Class rooms with ICT facility: Yes

e) Students' laboratories

f) Research laboratories

Number of students of the department getting financial assistance from College.

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology. NA

30. Does the department obtain feedback from

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it? YES – Through discussions, results of examination.

b. students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same? – Refresher course, helping teachers to overcome difficulties within the class rooms, BOS.

c. alumni and employers on the programmes and what is the response of the department to the same? Alumini BOS

31. List the distinguished alumni of the department (maximum 10)

NA

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts. Guest lecturs, village visit, tribal visit and industrial visit.

33. List the teaching methods adopted by the faculty for different programmes.

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored? Exam results, discussions in classrooms and discussion with BOS.

35. Highlight the participation of students and faculty in extension activities. Faculty accompanies students to village visit, tribal visit and industrial visit.

36. State whether the programme/ department is accredited/ graded by other agencies. no

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

**STRENGTHS:**

- Committed, well qualified, experienced Faculty Members
- Faculty is engaged in educational and career counselling of students on a regular basis
- Faculty Members have served as resource persons, members of BOS and BOE in other Colleges/Universities
- Special attention to weaker students and students from vernacular medium
- Faculty is actively involved in Research, Minor Projects, Paper Presentations and Publications
- The Departments are involved in Documentation
- Use of Multi Media, movie and Documentary Screening, Guest Lectures and Study trips
- Annual Food Festival to highlight the culinary culture of different societies is a regular feature of Dept. of Sociology

**WEAKNESS:**

- Hard pressed for time for more active interaction with students in connection with tutorials for weaker students and students from vernacular background, outside class hours
- Space constraints and lack of technical support for enlarging Dept. Library and Documentation Centre

**OPPORTUNITIES:**

- With a large pool of students from almost all Indian States and many foreign countries at SJC, the Department of Sociology looks forward to set up a Departmental Museum of Art and Artefacts
- The Dept. of Sociology in particular can make use of this diversity in student documentary production-highlighting particular State culture with emphasis on State Festivals, Tribes, costumes, folk dances etc.
- The Departments can organise student seminars and workshops
- New combinations with Sociology and Industrial Relations can be thought of such as Psychology, Sociology, Journalism (PSJ) & Industrial Relations, Political Science/Psychology, Sociology (IPS)
- Using the powerful Brand Name of the college, departments can think of tie-ups for Departmental Development, student projects etc.

**CHALLENGES:**

- Non approval of posts by the Government can result in feeling of financial and job insecurity among unaided staff
- There is a threat perception from competitors- other colleges and deemed universities which introduce fancy courses which may affect the intake of conventional courses

- Increase in new B.A. combinations without Sociology and Industrial Relations may affect intake of students in IES and EPS courses

39. Future plans of the department.

1. Regional seminar in 2017.
2. Publication of 'Namma Bangalore Vol 2' with ISBN No by end of the academic year.
3. At least one field visit for final EPS.
4. One local student seminar in collaboration with another department from science or humanities.
5. An International seminar in collaboration with Political Science and Economics Department.
6. A certificate course on Statistical Package for Social Sciences (SPSS).
7. One publication with an ISBN No.
8. Continuing activities of Social Zest and other departmental activities mentioned above.
9. Publication of Pourakarmika.

## 21. EVALUATIVE REPORT OF DEPARTMENT OF STATISTICS

1. Name of the Department & its year of establishment: Statistics, 2010

2. Names of Programmes / Courses offered (UG, PG, Ph.D., etc.):

UG course (EMS);

3. Interdisciplinary courses and departments involved

M.Sc (Big Data Analytics), Mathematics, Computer Science, Statistics and Economics

Department also organized a two certificate courses, (a) on R-Software to enable students to carryout their project work and data analysis using statistical software's and (b) "Data Analytics" to facilitate students to acquire knowledge on practical applications of statistical methods in current industry.

4. Annual/ semester/choice based credit system: Semester and choice based credit system

5. Participation of the department in the courses offered by other departments

Department of Statistics caters to other courses like, BCA, EJP, MA Economics, MS.Com and M.Sc (Big Data Analytics)

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)

2 unaided (Assistant Professors)

Professors: Nil

Associate Professors: Nil

Asst. Professors : 2 (Two)

7. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name of the faculty	Qualification	Designation	Specialization (M.Sc.)	Teaching Experience
Mr. Ananda KS	M.Sc, SLET	Assistant Professor	M.Sc, SET	4
Ms. Jeevitha Lobo	M.Sc,	Assistant Professor	M.Sc	2

8. Percentage of classes taken by temporary faculty – programme-wise information: 20% (UG)

9. Programme-wise Student Teacher Ratio: UG 50:1

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled: Nil

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.: Nil

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received: Nil

13. Research facility / centre with: None

14. Publications: Nil

15. Details of patents and income generated: None

16. Areas of consultancy and income generated: None

17. Faculty recharging strategies: Attending various seminars/workshops/conferences (details in table below)

S	Year	Name Of The Faculty	Seminars/Workshops/Conferences Presented/ Paper Presented/Resource Person)
1	2013-14	Mr. Ananda, K. S	Two day state level seminar on "Statistical Methods for Practice" organized by the Dept of Statistics, St Agnes College, Mangalore in view of celebrating International Year of Statistics 2013 on August 30th and 31st 2013
2	2013-14	Mr. Manjunath Swamy N C(left)	Two day state level seminar on "Statistical Methods for Practice" organized by the Dept of Statistics, St Agnes College, Mangalore in view of celebrating International Year of Statistics 2013 on August 30th and 31st 2013
3	2013-14	Mr. Ananda, K. S	Two day state level seminar on "Probability and Statistics" organized by the Dept of Statistics, Mysore University in

			view of celebrating the International Year of Statistics 2013 on November 5th and 6th 2013
4	2014-15	Mr. Ananda, K. S	Two-day National level workshop sponsored by UGC on “Statistical Applications of R-Software” at Maharani’s Science College for Women, on 17th and 18th September 2014.
5	2014-15	Mr. Ananda, K. S	A Three day UGC sponsored seminar titled "Applications of Statistics in Research, Industry and Planning" hosted by Mount Carmel College from 5th February 2015 to 7th February 2015.
6	2015-16	Ms. Jevitha Lobo,	UGC sponsored state level seminar on “Statistical Computing” organized by the Dept of Statistics, Poornaprajna College, Udupi, on 19th and 20th February 2016
7	2015-16	Mr. Ananda, K. S	a workshop on “Research and Societal Relevance” organized by IQAC, Bangalore University on 30-Jan-2015
8	2015-16	Mr. Ananda, K. S	Two day national level workshop on “Applications of Statistical Tools and Techniques in Current Research Areas” organized by Department of Statistics, Christ University, Bengaluru on 4th and 5th of March 2016
9	2016-17	Mr. Ananda, K. S	Delivered a lecture on “Introduction to R-Software” in ISEC, Bangalore on 7th Oct 2016
10	2016-17	Ms. Jevitha Lobo,	Five days course on “Flexible Statistical Modelling” sponsored by MHRD at Mangalore University, from 10th to 15th of October, 2016.

19. Student projects

o percentage of students who have done in-house projects including inter-departmental

All UG students are expected to carry a real life project individually as their continuous internal activity

o percentage of students doing projects in collaboration with industries / institutes 1-2 students

Sl No	Year	Student Name	Academic Achievements Of The Students
1	2013-14	Mr. Rohitesh Natarajan	Underwent internship in a pharmaceutical company, GlaxoSmithKline, Bangalore under the guidance of Mr. Jagannatha, P. S. General Manager, Biostatistics and Programming and successfully completed.
2	2014-15	Ruel D’souza	Underwent internship in Bangalore international Airport limited
3	2014-15	Ms. Vedika Hedge	Underwent internships in a Market Research Company, Prestige Group, Bangalore, on “Data collection in sublime House of Tea”, between Oct 2013 and Jan 2014
4	2014-15	Ms. Vedika Hedge	Univlever R & D Center on “Application of Statistics in Industry”, May 2014 – June 2014

20. Awards / recognitions received at the national and international level by: None

21. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.:None

22. Student profile course-wise:

Name of the Course	Year	Total Applications	Applications (Male)	Applications (Female)	Admitted	Pass Percentage
B.Sc(EMS)	2010-13	NA	NA	NA	23	52.17
	2011-14	NA	NA	NA	32	75
	2012-15	32	20	12	21	71.43
	2013-16	38	16	22	35	71.43
	2014-17	124	68	56	NA	NA

	2015-18	213	97	116	NA	NA
	2016-19	219	124	93	NA	NA

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?: None

24. Student progression

UG to PG 70%

PG to M.Phil. Data Not Available

PG to Ph.D. Data Not Available

Ph.D. to Post-Doctoral Data Not Available

Campus selection 10%

Other than campus recruitment :no data

Entrepreneurs;no data

Diversity of staff

Percentage of faculty who are graduates of the same parent university

from other universities within the State 50%

from other universities from other States 50%

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.

None

27. Present details about infrastructural facilities

a) Library: Common Library one for UG

b) Internet facilities for staff and students: Available

c) Total number of class rooms: 3 Class rooms

d) Class rooms with ICT facility: 2 Class rooms

e) Students' laboratories: One Computer Lab for UG

f) Research laboratories: One Computer Lab

28. Number of students of the department getting financial assistance from College: Not available with the department

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology: No

30. Does the department obtain feedback from? Yes

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

Yes. Board of studies (BOS) meeting, incorporating the suggestions in our curriculum.

b. students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same? No.

c. alumni and employers on the programmes and what is the response of the department to the same?

Yes. Suggestions of alumni representative in BOS are incorporated in into curriculum

31. List the distinguished alumni of the department

A) Mr. Ashwin Prakash, Senior Executive Actuary, Bharti AXA General Insurance

B) Mr. Rohitesh Natarajan, Analytics and Modelling Analyst at Accenture in India

C) Mr. Varun Jois, Associate Analyst at Emplay Inc.

D) Ms. Sana Sadiq, Decision Scientist at Mu Sigma Inc.

E) Mr. Prasun Ghosh, Data Science Professional at L&T Infotech

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

Date	Name of the Speaker	Designation	Title
6/ 2013	Prof. JV Janhavi	Professor, Department of Statistics	“An Overview of Application of Statistics”
12/2013	Mr. Umesha, H L	Senior Analyst at Blueocean,	“Workshop on MS-Excel for

		Market Intelligence	Exploratory Data Analysis”
8/2014	Mr. Sandeepa MS	Data Scientist at Cognizant Technology Solutions	Invited talk/Guest Lecture
12/2015	Mr. Krishna Prasad	Consultant at Fractal Analytics	Invited talk/Guest Lecture
8/ 2016	Mr. Krishna Prasad	Consultant at Fractal Analytics	Lecture series for certificate course on “Data Analytics”

33. List the teaching methods adopted by the faculty for different programmes.

ICT, Case Studies, Research Projects, Practical Assignments

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

- Through evaluating practical assignments, we identify students who require extra attention and help them improve academically, on one-to-one basis.
- Also we conduct result analysis and carry out remedial classes for academically poor students.
- Through continuous internal activities we give them an opportunity to think out of box and we help them in identifying a real problem of their interest and solving it

35. Highlight the participation of students and faculty in extension activities.: Take part in outreach programs, internship programs and projects

36. Give details. State whether the programme/ department is accredited/ graded by other agencies. Give details. NA

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

#### STRENGTHS

- Faculties have a broad base of expertise, specializations and an openness to share their expertise with students through advising/mentoring
- B.Sc (Economics, Statistics, Mathematics) course is designed to encourage them to uphold scientific integrity and objectivity in professional endeavors.
- Frequentia – Statistic’s Association: A platform to bring awareness about practical applications of statistics, through conducting various activities
- Certificate course: (a) R Software: Department has organized a certificate course on R-Software to enable students to carryout their project work and data analysis using statistical software’s, (b) “Data Analytics” to facilitate students to acquire knowledge on practical applications of statistical methods in current industry.
- A computer lab with new statistical packages to facilitate students to carry out projects/assignments

#### WEAKNESS

- Lack of experienced faculty members.
- Need for a new statistical software like SPSS, Minitab, SAS etc to be on par with the global education system.

#### OPPORTUNITIES

- Plan to organize National seminars / conferences / workshops in recent developments in statistics once in every academic year.
- Strengthening departmental library by procuring more text books, peer journals and reference books.
- Building a strong alumnus, in order to get information from alumni, related to higher studies, jobs opportunities, scholarships, industry requirements etc., which helps our students to plan their career
- Planning to propose two minor and one major research projects to UGC in next five years
- Department of Statistics is planning to arrange guest lectures/invited talks from academics/ Industry experts in every semester, as this will help our students to get practical knowledge/experience/internships in different companies.

#### THREATS

- Faculty instability : Lack of experienced professors/professionals in future may lead to loose our credentials



- Limited support available for research activities for faculty and students
39. Future plans of the department.
- Department of Statistics is planning to arrange guest lectures/invited talks from academics/
  - Celebrating National Statistics Day every year and organize intercollegiate competitions/guest lectures on this occasion
  - Planning to start a new course in B.Sc in Computer science, Mathematics and Statistics
  - Statistics Alumnus: Planning to form an Alumni forum and in this connection we have started to get information from alumni related to higher studies, jobs opportunities, scholarships, industry requirements etc. This information will help our final year students in their career planning.
  - Department is planning to conduct two workshops on a) Statistical Software's and b) Application of Statistics in various fields, every year
  - Planning to conduct a workshop on MS-Excel and R-software for all students every year
  - Planning to use the opportunity of outreach program to collecting real data from fields and build a database which can be used by all students in the college to understand practical applications of Statistics.
  - Planning to propose two minor and one major research projects to UGC in next five years
40. Innovative methods
- Remedial classes for academically poor students: we are looking forward to take special classes for poor students in future.
  - Introduced Choice Based Credit Scheme from current academic year
  - Planning to create a online platform to discuss Statistical related problems through "Frequentia"
41. Best practices
- Using real life data in practical classes which is expected to be collected during outreach programs/1<sup>st</sup> semester
  - Presentation of case studies/data analysis/project by final year students as continuous activity to develop various skills required such as communication skills, presentation skills, analytical skills, convincing skills etc..
  - Presentation of biography of famous statisticians to inspire/motivate students to take part in research activities
  - Invited talks from industry experts and passed out students to facilitate students to plan their career
  - Presentation of models/charts and arranging games in college premises to bring awareness about use of statistics among students
  - Conducting a workshop on "Data Analysis using MS-Excel" to help students in analyzing various data
  - Initiating class room discussions about society and the role of statistics in building society
  - Arranging Intra-class competitions through Statistics Association "Frequentia" as platform for all students to participate and excel in various dimensions of statistics

## 22. EVALUATIVE REPORT OF THE DEPARTMENTS – ZOOLOGY

1. Name of the Department & its year of establishment - Zoology, 1957

2. Names of Programmes / Courses offered

UG –

Chemistry, Botany, Zoology (CBZ), Microbiology, Chemistry, Zoology (MCZ), Chemistry, Environmental Science, Zoology (CEZ) and Chemistry, Zoology, Biotechnology (CZBT).

Choice based credit system- A journey into animal world and human life

Certificate Course-

- Urban ecology and pollution abatement technologies
- Economic Zoology
- Biodiversity, wildlife and conservation biology
- Pest management

3. Interdisciplinary courses and departments involved

Botany, Chemistry, Microbiology, Biotechnology and Environmental science

4. Annual/ semester/choice based credit system Semester and Choice based credit system

5. Participation of the department in the courses offered by other departments

Botany, Chemistry, Microbiology, Biotechnology and Environmental Science.

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)

Sanctioned Filled

Professors -- NA

Associate Professors --03

Asst. Professors –05

7. Faculty profile with name, qualification, designation, specialization

	Name	years	Qualification	Designation	Specialization
1.	Ivan Mary Parimala. G	31	M.Sc	Asso Professor, HOD	Cytogenetics, Genetic Engineering
2.	Thomas P Zachariah	22	M.Sc, B.Ed, SLET	Asso Professor	General Zoology
3.	Shivakumar K S	18	M.Sc, SLET	Asso Professor	Cell Biology
4.	Sabitha Thomas	4.3	M.Sc, MPhil	Asst Professor	Ecology, Environment
5.	PhD A. John Paul	3	M.Sc, M.Phil PhD	Asst Professor	Immuno Biology
6.	Prathiba R D	2	M.Sc, Pursuing Ph.D	Asst Professor	General Zoology
7.	Dr. M. Jayashankar	1	M.Sc, M.Phil, Ph.D, K SET	Asst Professor	Eco Ethology
8.	Charles M	1	M.Sc ,	Asst Professor	General Zoology
9.	Dr. George Alexander Superannuation – March 2016	25	M.Sc., Ph.D	Asso Professor	Fishery Biology

Percentage of classes taken by temporary faculty – programme-wise information – 66.6%

9. Programme-wise Student Teacher Ratio: 62:1

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled - Lab assistants - 02

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise. -- NA

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received-- NA

13. Research facility / centre with - NA

- state recognition
- national recognition
- international recognition

14. Publications

1. Sabitha Thomas(2015) ‘Influence of topography on soil biota- A case study with reference to Wayanad; S. India’ in International Journal For Applied Research And Social Sciences, Vol 2, Issue 12, June. (ISSN: 2350-1472, Impact factor: 1.739., SCI indexed)
2. Sabitha Thomas(2015) ‘Influence of topography on soil biota- A case study with reference to Wayanad; S. India.’ in Zoology for Future Education and Research, Zoological survey of India, pp 191-195, 2015.(ISBN 978-81-8171-427-5).
3. V Mahesh and M Jayashankar Incidence of red Pierrot, *Talica nyseus nyseus* (Lycaenidae) on the green mother of millions, *Bryophyllum pinnatum* (Crassulaceae) Journal of Entomology and Zoology Studies 2016; 4(6): 127-129 P-ISSN: 2349-6800

15. Details of patents and income generated -NA

16. Areas of consultancy and income generated - A Rocha – Study of Biodiversity. No income generated.

17. Faculty recharging strategies –

Seminars, Workshops, Group discussions and Conferences

19. Student projects

o percentage of students who have done in-house projects including inter-departmental – 100%. The students undertake mini projects called term paper. They are guided by the staff of Zoology or the staff from other departments.

o percentage of students doing projects in collaboration with industries / institutes – 10%, IISC, NCBS, A ROCHA (International organization in wildlife conservation) and healthcare industries.

20. Awards / recognitions received at the national and international level by

o Doctoral / post doctoral fellows - 01 / NA, Dr. M Jayashankar

o Students - No data available

21. Seminars/ Conferences/Workshops organized and the source of funding (national / International) with details of outstanding participants, if any.

1. International level seminar on Sparrows year 2012

2. Lecture workshop 2013

3. Bioinformatics workshop 2014

4. Ignatian lecture series on “Science and Society” 2016

22. Student profile course-wise:

Year	Name of the Course (CBZ)	Applications received	No. selected	Selected		Pass percentage
				Male	Female	
2012-13		40	31	15	16	98
2013-14		45	43	21	22	99
2014-15		60	59	28	31	96
2015-16		60	59	17	42	97
2016-17		75	70	29	41	

Year	(MCZ)	Applications received	No. selected	Selected		Pass percentage
				Male	Female	
2012-13		50	47	09	38	99
2013-14		60	55	16	39	99
2014-15		40	39	12	27	100
2015-16		45	43	15	28	98
2016-17		55	54	29	41	

Year	Name of the Course (CEZ)	Applications received	No. selected	Selected		Pass percentage
				Male	Female	
2012-13		12	12	03	09	95
2013-14		20	20	11	09	94
2014-15		25	25	12	13	96
2015-16		19	19	11	08	95
2016-17		21	21	07	14	

Year	Name of the Course (CZBT)	Applications received	No. selected	Selected		Pass percentage
				Male	Female	
2012-13	Course not started					
2013-14		40	39	14	25	95
2014-15		34	34	16	18	96
2015-16		34	34	12	22	95
2016-17		50	49	19	30	

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

Defense Services – 03

NET, SLET - NA

23. Student progression

UG to PG 50%

PG to M.Phil. Complete data not available

PG to Ph.D. --

Employed

Campus selection- 5%

Other than campus recruitment- 5%

Entrepreneurs -5%

25. Diversity of staff

Percentage of faculty who are graduates

of the same parent university - 04

from other universities within the state - 01

from other universities from other States - 03

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.  
01

27. Present details about infrastructural facilities

a) Library Central library-No. of books - 1352

b) Internet facilities for staff and students

Available both in the central information centre and campus wi-fi

c) Total number of class rooms -10

d) Class rooms with ICT facility

Available 10 + 3 laboratories

e) Students' laboratories – 03

f) Research laboratories - NA

Number of students of the department getting financial assistance from College.

Yes, Data available in the office

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

Yes. Biotechnology is a fast growing field in Biological sciences. There was a growing demand for CZBT program. An extensive survey was undertaken by the department from the students, parents and alumni before starting the program.

30. Does the department obtain feedback from faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

a. The department of Zoology conducts Board of studies (BOS) meetings every year to revise the syllabus and to get feedback. The members are the faculty of the department, University nominee, subject experts, an alumnus and a representative from industry. They critically examine the theory and practical syllabi, question paper pattern and evaluation methods.

b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

Students on staff – Every year the college conducts online teacher evaluation by students. The students compulsorily evaluate all the teachers handling their classes. The report is given to the staff by the Principal.

c. Alumni and employers on the programmes and what is the response of the department to the same?

Feedback from alumni and employers are taken and necessary action is taken either regarding the curriculum or teaching learning processes

31. List the distinguished alumni of the department (maximum 10)

List of distinguished alumni

1. Dr. Neil Lobo - Pasteur Institute, USA
2. Sripriya - Max Plank University, Germany
3. Abhilash Dwaraknath – Max Plank University, Germany
4. Maurice Stanley – University of Cork, Ireland
5. Priyesh Mohanthy – NCBS, Bangalore
6. Fr. Sebastian – Missionaries of Sacred Heart , France
7. Avinash Krishnan – A Rocha, Wildlife Conservation
8. Naren Srinivasan – Wildlife Conservation, working in Amazon forests
9. Aravind –
10. Dr. Namratha Sheshadri – Post doctoral fellow, University of New Jersey

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

The department conducts many programs through the Natural Science Association

Workshop in Bioinformatics for final year B.Sc students

Lectures by eminent scientists and doctors

Science exhibition

Biodiversity, Conservation and health care lectures

Certificate courses

33. List the teaching methods adopted by the faculty for different programmes.

1. Class room teaching – Student centered learning, chalk and talk, power point presentations, heuristic aptitude of teaching.
2. Seminars, group discussions, projects and quiz.

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

1. Continuous Internal Assessment (CIA) – Tests, projects, assignments
2. End semester examination

35. Highlight the participation of students and faculty in extension activities. Outreach programmes, fields trips. - NA

36. Give details –

Creating awareness regarding pollution among public.

Cleanliness drive in public places like Lalbagh, Cubbon Park etc.

Creating wildlife conservation and awareness among villagers surrounding Bannerghatta national park, Bangalore.

37. State whether the programme/ department is accredited/ graded by other agencies. Give details.

The College is accredited.

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

Strengths

- Efficient, sincere, committed and hardworking staff
- Well-equipped laboratories and teachers with research experience
- Extra care given to weak and vulnerable students by mentors and welfare officers

Weakness

- Intake of students, campus placements, no government approval for fresh appointments.

Opportunities

- The department of Zoology has the best infrastructure to suffice the needs of the curriculum. The laboratories are well equipped. Many of our students use this facility to carry out UG research activities.

Challenges

- To promote hard work and uplift the scholastic capacities of students through appropriate motivation and pursue higher studies in the field of biological sciences is a major challenge.

39. Future plans of the department.

1. To start M.Sc program in Zoology. (There is a great demand for M.Sc. Zoology by our students. No College in Bangalore offers this program except the University of Bangalore and Govt. Science College).

2. To intensify research activities in the department.

### 23. EVALUATIVE REPORT OF THE DEPARTMENTS: FRENCH

1. Name of the Department & its year of establishment: French, founded in 1882 by French Foreign Missionary Fathers.
2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.): As a language option offered to UG students.
3. Interdisciplinary courses and departments involved:N.A
4. Annual/ semester/choice based credit system: Semester based credit system.
5. Participation of the department in the courses offered by other departments: N.A
6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors):  
Ans: 1 unaided (Assistant Professor).
7. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name of the Faculty	Qualification	Designation	Specialization	No of years of teaching Experience
Mrs. Satyasree. Balijepally	C1 DALF, B.C.J, Currently pursuing M.A (French, B.U)	Assistant Professor	N.A	4

Percentage of classes taken by temporary faculty – programme-wise information:

9. Programme-wise Student Teacher Ratio: U.G 75:1
10. Number of academic support staff (technical) and administrative staff: sanctioned and filled: None
11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise. : None
12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received: None
13. Research facility / centre:  
With:  
o state recognition - no  
o national recognition - no  
o international recognition - no
14. Publications: None
15. Details of patents and income generated Experience: N.A
16. Areas of consultancy and income generated: N.A
17. Faculty recharging strategies: Attending seminars, workshops, attending cultural events at the Alliance Française, Borrowing material from the Alliance library (books, newspapers, audio-visual material.
19. Student projects
  - percentage of students who have done in-house projects including inter-departmental: less than 1%
  - percentage of students doing projects in collaboration with industries / institutes: less than 1%
20. Awards / recognitions received at the national and international level by
  - Faculty
  - Doctoral / post doctoral fellows
  - Students :

Hamsini Sukumar      B 2 DELF, pursuing a P.G course in Pure mathematics (taught in French) at the University of Paris; (won a scholarship through the Campus France @ the Alliance Francaise).      September,2015

Question 21 &22 no response.

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

Program/Exam	No. of Students who qualified DELF during last 3 years	
	2013	2014
DELFF		
A1	1	2
A2	2	1
B1		2
B2		2

24. Student progression

Student Progression	Percentage against enrolled
UG to PG	35%
P.G to M. Phil	-
Ph. D to Post-Doctoral	-
Employed Campus Selection	>1%
Employed Other than Campus recruitment	16%
Entrepreneurs	No data available

25. Diversity of staff

Percentage of faculty who are graduates

of the same parent university: N.A

from other universities within the State : N.A

from other universities from other States :N.A

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.  
NA

27. Present details about infrastructural facilities

a) Library: Common library for U.G

b) Internet facilities for staff and students: Available

c) Total number of class rooms: 1

d) Class rooms with ICT facility:

e) Students' laboratories

f) Research laboratories

Number of students of the department getting financial assistance from College: Information not available with department.

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

NA

30. Does the department obtain feedback from

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

Yes. Board of Studies (BOS) meeting, incorporating suggestions made to curriculum.

b. students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same? No

c. alumni and employers on the programmes and what is the response of the department to the same? No.

31. List the distinguished alumni of the department (maximum 10)

1. Hamsini Sukumar

2. Siddarth Ganesh

3. Vishal G. Anand.

4. Timothy Jairaj.

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

S.No	Conference Organized	Year	Designation
1.	"Life in France and Higher	2014-15	Director of Pedagogy, Ms.



	Education in France”		Alexandra Dourver ; Coordinator, Campus France, Madhuri Welling.
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33. List the teaching methods adopted by the faculty for different programmes.

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

35. Highlight the participation of students and faculty in extension activities: students take part in Outreach activities

36. Give details

State whether the programme/ department is accredited/ graded by other agencies. Give details.:  
NA

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

**STRENGTHS:**

1. The French department deploys and utilizes, “multiple teachings aids” like audio documents, movies, songs, comic strips, french magazines and newspapers, short story extracts etc. that expose students to real life situations and helps develop and utilize the language skills. Moreover, such an “experience”, accelerates their comprehension of the language in a more natural ecosystem.

2. The department adopts a unique “teaching methodology”, that allows students more time to discuss, prepare and participate in activities like speaking/comprehension sessions, in both team and individual based formats. This brings about a lot of team work and drives the underlying principle of “Language is best learnt when practiced/spoken”.

3. The department encourages students, “creative freedom” to express themselves, as it helps articulation of thought through the usage of the language, which helps mitigate psychological barriers of fear, Shyness and ego, which are obstacles to learning a language.

**Weakness:**

1. Lack of variety in educational material.

**Opportunities:**

1. Programmes can be started to help weak students.

2. Programmes can be stated for improving the speaking skills of students.

3. Can organize invited lectures/workshops/conferences.

**Challenges:**

1. Student: teacher ratio very high (1 teacher for 150 students)which affects the attention and time spent on the individual needs of the students is compromised.

2. Difficulty in handling large batches.

3. overburdened by administrative/exam related work.

39. Future plans of the department:

1. The department plans to conduct a seminar on the “Impact of the French Revolution on the advent of democracy and development of modern constitutions”.

2. Faculty plans to complete P.G.

## 24. EVALUATIVE REPORT OF THE DEPARTMENTS: HINDI

1. Name of the Department & its year of establishment Hindi-1951

2. Names of Programmes / Courses offered

UG- B.A, BSW, BSc, BCA, BCom

3. Interdisciplinary courses and departments involved

4. Annual/ semester/choice based credit system: Semester System

5. Participation of the department in the courses offered by other departments

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)

Sanctioned Filled

Professors - 00

Associate Professors - 02

Asst. Professors -01

7. Faculty profile with name, qualification, designation, specialization.

Name	Qualification	Designation	Specialization
Dr. Fariyal Shaikh	M.A, Ph.D	Associate Professors	Ph.D
Mr. Nagarajan E.M	M.A, M.Phil	Associate Professors	
Mr. Pathan Hasan	M.A	Asst. Professors	

8. Percentage of classes taken by temporary faculty – programme-wise information

1. 1<sup>st</sup>& 2<sup>nd</sup> year B.A 6 classes per week, 1<sup>st</sup> BSc 4 classes per week, 1<sup>st</sup>& 2<sup>nd</sup> BCom 6 classes per week

9. Programme-wise Student Teacher Ratio 75:1

Publications

1. Hasan pathan "yetharth ke dharatal ki kavityeia Aur uski vividhita: Narayan Surve " is published in 'sahitya kunj (e-journal ) Canada, vol. 10,issue 109, June 2016. [ISSN 2292-9754](#)

2. Hasan pathan "Muslim vimarsh ke aaine se kishorilal Goswami ke upanyas: ek kataksh " in a book ' hindi sahitya me samajik chunautiya ', Srijanlok prakashan, vashishth nagar, ara (Bihar)[ISBN 978-81-932362-7-7](#) P. N.72 to 76.

3. Hasan pathan Presented Paper International Conference on 'Hindi sahitya me samajik chunautiya Vivechana Evam Vimarsh ' Organised by Department of Hindi, Baldwin Women's Methodist College, Bangalore 23&24 September 2016.

Question 10 to 24 no response.

25. Student progression

26. Diversity of staff

Dr. Fariyal Shaikh	Bangalore university
Mr. Nagarajan E.M	Bangalore university
Mr. Pathan Hasan	Maharashtra

25: no response

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period. -

27. Present details about infrastructural facilities -Nil-

a) Library: Department-1500 books

b) Internet facilities for staff and students Yes

c) Total number of class rooms – 10 class rooms

d) Class rooms with ICT facility OPH

e) Students' laboratories -Nil-

f) Research laboratories -Nil-

Number of students of the department getting financial assistance from College. -Nil-

29 -32 no response

33. List the teaching methods adopted by the faculty for different programmes.

Group discussion, supplement notes, documentaries, use of slides, Interties, Advertisement etc for CIA activities

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

Through BOS meeting, syllabus, CIA, Test, Exams

Question no 35-37. no response

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

Strengths

1. Faculty well experienced having more than 20 years teaching experience.
2. Active Hindi parishad giving students a wide range of leadership qualities and developing
3. Department has a well equipped library having more than 1500 books
4. Conducts certificate course and exhibitions regularly
5. Faculty members also guide and encourage students to do term paper in Hindi

Weaknesses

1. Majority of the student's are from non hindi speaking states
2. Poor communication skills hamper discussions and interaction among students in Hindi
3. Students are more inclined towards their core subjects.
4. No original work in term paper most of it is copy paste.
5. Handful of students only conduct parishad activities.

Opportunities

1. Remedial classes should be taken regularly
2. Class interactions should be encouraged
3. Participation certificate should be awarded as per the activities
4. Assignments should be given regularly, at least 2/3
5. Feed back from the students per semester should be collected

39. Future plans of the department.

1. Seminar for the students of second year BA & BSc of our college
2. Intercollegiate seminar for the students
3. Inviting series of Guest Lecture
4. Literary get together of the Hindi teachers of either autonomous colleges or 10 to 15 private colleges and government colleges
5. Bhartiya Bhashaon ka sangam- literary competitions for the students
6. To start few more honors program from the department.
7. To start a literary Magazine for the staff and the students

## 25. EVALUATIVE REPORT OF THE DEPARTMENTS: SANSKRIT

1. Name of the Department & its year of establishment: German, founded in 1967.
2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.): As a language option offered to UG students.
3. Interdisciplinary courses and departments involved: N.A
4. Annual/ semester/choice based credit system: Semester based credit system.
5. Participation of the department in the courses offered by other departments: N.A
6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors):  
Ans: 1 unaided (Visiting Assistant Professor).
7. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name of the Faculty	Qualification	Designation	Specialization	teaching Experience
Mr Prasanna	PG	Assistant Professor	PG	4

Questions 8 to 39 no response.

## 26. EVALUATIVE REPORT OF THE DEPARTMENTS: KANNADA

1. Name of the Department & its year of establishment: KANNADA establish in 1967.
2. Names of Programmes / Courses offered (UG)  
U.G. for all undergraduate classes as second language
4. Annual/ semester/choice based credit system: Semester and Choice Based Credit System
5. Participation of the department in the courses offered by other departments: we are encouraging the students to participate in different courses which are conducted by other departments.
6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)  
Sanctioned Filled  
Professors:Nil  
Associate Professors:01  
Asst. Professors: 02
8. Faculty profile with name, qualification, designation, specialization

No. of Years :27years	No. of Ph.D. :			
Name:	Qualification	Designation	Specialization	Students
Dr B.N.Poornima	M.A.; PH.D	Asso prof	linguistics	02
Dr.Eraiah	M.A.; PH.D	Asst prof	criticism	
Dr.Poornima.S	M.A.; PH.D	Asst prof	folklore	
Dr. Vijayraghavan (retired)	M.A.; PH.D	Asso prof		2

Percentage of classes taken by temporary faculty – programme-wise information

9. Programme-wise Student Teacher Ratio : I Year B.A. =65:01; II Year B.A.=61:01; I Year B.sc.=75:01; IIYear B.sc:62:01.  
I B.com:95:01, II B.com:80:01.
10. Number of academic support staff (technical) and staff: sanctioned and filled: Nil
11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise. : Nil
12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received: Nil
13. Research facility / centre with: Nil
14. Publications:

	No. of books publish	ISBN	ISSN
Monograph	Nil		
Chapters in Books	Nil		
Editing Books	1	ISBN:978-93-85061-34-9	NA

15. Details of patents and income generated: Nil

16. Areas of consultancy and income generated: Nil
17. Faculty recharging strategies  
Attending mandatory Refresher Courses and other in-service training programmes/seminars/workshops etc.
18. Student projects
- percentage of students who have done in-house projects including inter-departmental: All final year B.A. Industrial Relations Students (100%) are involved in in-house projects in the form of Term Paper. we are guided for them.
  - o percentage of students doing projects in collaboration with industries / institutes
19. Awards / recognitions received at the national and international level by
- Faculty : Nil
  - Doctoral / post doctoral fellows: Awarded for Two students under the guidance of DR.B.N POORNIMA.
  - Students : Nil
20. Seminars/ Conferences/Workshops organized and the source of funding (National / international) with details of outstanding participants, if any. - NIL.
21. Student profile course-wise: No Data
22. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations? : No data .
23. Student progression  
UG to PG :25%  
Other than campus recruitment 65%  
Entrepreneurs 5%  
Campus selection : 5%
25. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:03
26. Present details about infrastructural facilities
- a) Library : yes
  - b) Internet facilities for staff and students: Yes
  - c) Total number of class rooms: sufficient
  - d) Class rooms with ICT facility: Yes
  - e) Students' laboratories: NA
  - f) Research laboratories: NA.
26. Number of students of the department getting financial assistance from College. - NA
27. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology. - NA
28. Does the department obtain feedback from
- a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?  
Yes. Necessary changes are incorporated in the Syllabus.
  - b. students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?  
Good
  - c. alumni and employers on the programmes and what is the response of the department to the same? Alumni and Industry Representative on the Board of Studies gives the feedback and necessary action is taken.  
Kannada sangha through face book,
29. List the distinguished alumni of the department (maximum 10)
30. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.  
Guest Lectures by eminent persons from Academics and Industry, Industry Visits, Student Documentation etc.
31. List the teaching methods adopted by the faculty for different programmes.

Lectures using Chalk & Board, OHP, Power point, Screening of documentaries, discussions using press cuttings.

32. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

Through Student Feed Backs and Feed Back from Alumni

33. Highlight the participation of students and faculty in extension activities.

Participation, paper presentation in various seminars, Internships etc.

34. Give details

Participation and Paper Presentation in National and International Seminars.

35. State whether the programme/ department is accredited/ graded by other agencies.- No

36. Future plans of the department.

Faculty to concentrate more on publishing and paper presentations.

Assist in Organizing Inter-Departmental Regional/National Seminars.

### 27. EVALUATIVE REPORT OF THE DEPARTMENTS: GERMAN

1. Name of the Department & its year of establishment: German, founded in 2008.

2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.): As a language option offered to UG students.

3. Interdisciplinary courses and departments involved: N.A

4. Annual/ semester/choice based credit system: Semester based credit system.

5. Participation of the department in the courses offered by other departments: N.A

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors):

Ans: 2 unaided (Visiting Assistant Professor).

7. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.)

Name of the Faculty	Qualification	Designation	years teaching Experience
Mr. Daniel	PG	Assistant Professor	6
Ms. Bhamini	PG	Assistant Professor	2

Question 8 to 39 no response.

### 28. EVALUATIVE REPORT OF THE DEPARTMENTS: TAMIL

1. Name of the Department & its year of establishment: Tamil, founded in 1967.

2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.): As a language option offered to UG students.

3. Interdisciplinary courses and departments involved: N.A

4. Annual/ semester/choice based credit system: Semester based credit system.

5. Participation of the department in the courses offered by other departments: N.A

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors):

Ans: 1 unaided (Visiting Assistant Professor).

7. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name of the Faculty	Qualification	Designation	Specialization	years of teaching Experience
Ms. Arockia	PG	Assistant Professor		4

Questions 8 to 39 no response

**III CYCLE ACCREDITATION  
PEAR TEAM REPORT 2012  
ACTION TAKEN REPORT - 2012-2017**

This section presents an account of the action taken by the college after the NAAC peer team's visit of 2012. The following were their observations and recommendations:

**I.C.2 Teaching and Learning Evaluation**

*Teaching and Learning process: More emphasise on ICT teaching is required.*

The college has made steady progress in terms of increased use of ICT in teaching-learning as the college has increased the ICT capacity. Teachers have increased access and use ICT in class rooms liberally. All teachers are computer savvy. Some courses use MOODLE and MOOC as assignments and several others give assignments based on INFLIBNET usage. Some encourage writing blogs. Software is also being used in teaching non computer courses like Math, Economics and English.

**C.3 Research, Consultancy and Extension:**

*Consultancy: More scope for fund generation through professional consul. Limited consultancy in place*

There has been an increase in the consultancy services provided by our faculty which is better than it was during the earlier cycle. The increased demand on time for research, teaching and administration continue to be a handicap for the faculty to provide consultancy outside of work hours.

**C.4 Infrastructure and Learning Resources:**

*Physical Facilities for learning: ICT infrastructure requires enhancement*

*ICT as Learning Resources: Adoption of ICT based teaching on day to day basis required*

The college has been declared as College Of Excellence By UGC and is also a DBT – FIST College. It has also received several research grants for minor and major research projects. All has enhanced the ITC facility in college with all departments having computers/ lap tops and almost all class rooms having ICT facilities. The wifi connectivity has been upgraded. The college has acquired soft ware for student data base management and in providing library services. Students can now check their attendance and marks online. Biometric attendance marking system for staff has been introduced. INLIBNET use is popular among students. College admissions of students have gone online.

**C.6 Governance and Leadership**

*Financial Management and Resource Mobilizations: More emphasis on resource mobilization required*

The construction of new auditorium with a seating capacity of 1260 has seen increased renting of the infrastructure facility of the college on a regular basis. The increase in the number of both major and minor research projects has helped increased financial resource mobilization of the college .There has also been more donations for scholarships for students and other services.

**Overall Analysis**

**II.Institutional Strengths:**

- Dedicated team of faculty and management
- Societal good will and positive brand image
- Catering to the educational needs of marginalized and middle class society
- Pro-quality culture with proper infrastructure
- Academic collaborations with national/international institutions

The college enjoys these strengths even more.

### III. Institutional Weakness:

Inadequate land and space

The college management has purchased land in Nelamangala and other places to build new facilities. In due course some of the courses will move out to these places. This will help the college overcome the problem of inadequate land. Two new buildings are coming up in the exiting land -an administrative block and a multi storeyed building which will house a sports complex.

Limited choice of electives for students

The college has followed the UGC recommendation to follow the Choice Based Credit Courses after receiving directions from Bangalore University. Today there are fifty four choice based credit courses offered to students both at the PG and UG courses. The three major systems which is the pattern of the Bangalore University continue to be followed which permits students to learn a combination of any three subjects.

Limited digital library resources

IBFLIBNET, DELNET and Galileo and JSTOR have been subscribed/ procured by the library.

Placement and consultancy services are inadequate

Most students continue to opt for pursuing higher education even today and so their dependence on placement service continue to lower than expected. The college set up the Centre For Skill

Development and Placement in **June 2012** as a response to the peer team observation. It has been functioning well with several companies visiting the campus and offering placement and has been helping students desirous of getting placed. The centre has the following objectives:

- Information Dissemination regarding various higher education courses, competitive examinations and vacancies in the job market.
- Organize raining program for a variety of skills development required in the labor market.
- Internships: To establish contacts with various government, non governmental and private sector for lectures, internships and in -house training.
- Placement Interviews: Finally accept prospective employers desirous of employing students from various disciplines to conduct placement interviews and recruit final year students.
- ***Inadequate “state of art” ICT infrastructure***

Post third cycle almost all class rooms have LCD and teachers and students use digital resources for teaching and learning. Reading material, assignments and on line tests are also part of the digital use. College is one of the largest users of INFLIBNET services in India

Conventional teaching methodology with occasional use of ICT

Conventional method of teaching is still used by most teachers as it has been found to be personal and of good quality and permits more interaction with students. It is supplemented by the use of ICT to provide variety, and add new dimensions to the subject taught.

### IV. Institutional Opportunities:

Introduction of new UG/PG courses and programmes and through choice based credit system

It has already been introduced and has been mentioned in the last section of this report



Received permission from Bangalore University to start research (PhD) in English and physics.

Development of vocational courses namely B-Voc in Digital Media and Animation and BVoc in Film making has been introduced.

Introduced two **industry oriented** courses namely EJP (English –Journalism and Psychology) and CPE –communicative English Political Science And Economics

Introduced two **industry integrated** courses namely M.Sc in Big data analysis and B.Com-BPS Business Processing Services. These courses are offered by Tata Consultancy Services (TCS) in the college

Discussions are on for collaborative work with a few foreign universities. Discussions are on with Seattle University for faculty exchange and research collaborations.

The college has set up the Joseph's Research Forum- a platform to encourage and undertake multi-disciplinary and collaborative research projects among students and faculty.

The college has set up a Research Committee and it has funded research project among its faculty

DBT Star project has seen multidisciplinary approach to teaching and research

#### **V. Institutional Challenges:**

Improving consultancy system

Since the last NAAC peer team visit, teachers have engaged in providing more consultancy services, however academic and administrative workload continues to pose a challenge to take up consultancy.

Resource mobilization for financial independence

The good will of the college has helped college to get many philanthropists to donate to the college. Renting out college infrastructure especially the new auditorium complex has helped college get resources. The faculty have been granted for research projects grants and for conducting seminars and workshops by various national agencies and this helped college get resources. The college has also received grants from the UGC for CPE and CE during the post third cycle period.

Attracting and retaining quality teachers

The college is in the process of recruiting talented and quality young teachers under the management tenure as many of the senior UGC aided teachers are retiring in the next couple of years. The college has upgraded the salary structure which is currently close to the UGC scale and increased the tenure of management teachers. Advertisements are put up in local news papers and applicants from different parts of the country apply for teaching and also attend interviews. The response has been good. However with increased job opportunities in the city of Bangalore, retaining staff for some discipline continues to pose challenge.

#### **VI. Recommendations for Quality Enhancement of the Institution**

Introduction of new PG/UG courses in Psychology, Fine Arts , Performing Arts (music, drama, folk arts). education and teacher training , PG in Bio-technology , Sustainable Development and Nanotechnology , starting of new courses in green chemistry modules , Honours course in Humanities and Basic Sciences

In response to this suggestion the college has started several courses post third cycle.

UG Level

EJP- English Journalism and Psychology,

CPE-Communicative English, Political Science, and Economics

CZBT- Chemistry, Zoology, Biotechnology

UGC- BVOc Film Making,

UGC-BVOc Digital Media and Animation

B.Com, regular

B.Com-BPS an industry integrated course with TCS (TATA Consultancy Services)

At the PG level

M.Sc Mathematics

M.Sc-.Big Data Analytics an industry integrated course with TCS (TATA Consultancy Services)

**Certificate courses** in Performing Arts (Music, Drama, Folk Arts) has been introduced.

Green chemistry modules have been incorporated into the syllabi

Allow PhD guideship to qualified college teachers by Bangalore University

Have applied for RUSA, and applied to Bangalore University seeking permission to offer guide ship in two disciplines namely Physics and English. University has finally permitted the introduction of PhD course in both the subjects.

Developing INTRANET and to be a part of National Knowledge Network of HRD Ministry

College library is registered with INFIBNET and one of the highest users of INFIBNET in the country and also has DELNET subscription.

Subscription to e-journals for all disciplines available in college

Through the subscription of INFLIBNET and DELNET most of the e journals required by students is available on line and is also part of open courses materials. The College has subscribed to JSTOR as well.

Strengthening soft skill development, placement cell with placement officer, career counseling

Skill development courses in the form of HRD and IGNITOR courses has been in place in the college and is a thirty credit course which is mandatory for all students.

Centre for skill development and placement was set up in 2012 with a full time placement officer. Currently the placement officer is also the PRO of the college. The centre has been active in promoting skill development and placement for students. Several companies have come for offering placement services. The centre also provides career counseling

Besides there are four counselors each attending student need in three blocks of the college and assist them in career planning as well.

Systematized IQAC

The IQAC is much better organized with a documentation centre, a room for conducting meetings, and regular meetings are held. Minutes of meeting have also been recorded

Undertake a campaign to attract students to basic sciences

Teachers visit other degree and pre university colleges as resource persons and as Board of Studies members which has made the college well known among other colleges in the city. Students participate in intercollegiate events both inside the city and elsewhere which has made the college known outside the city. The commencement of on line admissions has resulted in manifold increase in number of students applying for basic sciences course and classes are full.

College Industry tie- ups and system of industrial attachment for students

The college mission is to create men and women for others and thus largely caters to academic ,research and societal goals and therefore only necessary and meaningful courses with industry interactions are pursued .Internships has been mandatory part of PG courses in Economics, Political Science and Micro Biology and many students opt for internship from the UG classes as well. Two industry integrated courses have been

introduced namely Big Data Analytics and B.Com industry integrated BPS (Business Process Services) with industry leader TCS. Media and film making also has industry component in their curriculum.

Construction of girls hostel

The college has signed an MOU with Sneha Nilaya convent to provide boarding facilities for girl students

Opening of medical centre

An infirmary has been opened in the college premises though the college is located close to three major hospitals and has tie up with one of the multispecialty hospitals, viz., St. Philomena's Hospital, Bangalore which is in close vicinity of the college.

Karnataka government should support filling up vacant teaching posts for quality enhancement

The college is in negotiation with the Govt Of Karnataka to fill up vacant posts and is taking legal recourse on this matter.

Up gradation of UG science labs

All science lab have been upgraded with funds available from the CE/CPE and college management grants and research projects.

Development of language labs

The college has set up a language lab with required facilities and currently the college news paper is being developed here and practical classes for the Journalism and Communicative English courses are held there.

Autonomous status of college has to be honoured in letter and spirit by affiliating university

The university has been supportive of the college's academic achievements

Converting all classroom into smart or digital classrooms

About eighty percent of all class rooms are digital

Conclusion

The college has made steady progress in all spheres and has become more quality conscious than ever before in the pursuit of providing quality education to the needy and the marginalized.



## ST. JOSEPH'S COLLEGE (Autonomous)

ಸಂತ ಜೋಸೆಫರ ಮಹಾವಿದ್ಯಾಲಯ (ಸ್ವಾಯತ್ತ)  
P. O. Box 27094, 36, Lalbagh Road, Bangalore - 560 027  
Ph : 2221 1429, 2227 4079, Fax : 080-2224 5831

Ref. :

### Declaration by the Head of the Institution

Date :


I certify that the data included in this Self-Study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by the institution after internal discussions, and no part thereof has been outsourced.

I am aware that the Peer team will validate the information provided in this SSR during the peer team visit.

Place: Bangalore

Date: 06-03-2017

  
Signature of the Head of the Institution  
with seal

377

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• Re-Accredited by NAAC with 'A' Grade • College of Excellence - UGC  
Website : [www.sjc.ac.in](http://www.sjc.ac.in) E-mail : [admin@sjc.ac.in](mailto:admin@sjc.ac.in)



## ST. JOSEPH'S COLLEGE (Autonomous)

ಸಂತ ಜೋಸೆಫರ ಮಹಾವಿದ್ಯಾಲಯ (ಸ್ವಾಯತ್ತ)

P. O. Box 27094, 36, Lalbagh Road, Bangalore - 560 027  
Ph : 2221 1429, 2227 4079, Fax : 080-2224 5831

Ref. :

Date :

### Certificate of Compliance

This is to certify that St. Joseph's College (Autonomous), Bangalore fulfills all norms

1. Stipulated by the affiliating University and/or
2. Regulating Council/Body [such as UGC, NCTE, AICTE, MCI, DCI, BCI, etc.] and
3. The affiliation and recognition [if applicable] is valid on date.

In case the affiliation/recognition is conditional, then a detailed enclosure with regard to compliance of conditions by the institution will be sent.

It is noted that NAAC's accreditation, if granted, shall stand cancelled automatically, once the institution loses its University affiliation or recognition by the Regulatory Council as the case may be.

In case the undertaking submitted by the institution is found to be false then the accreditation given by NAAC is liable to be withdrawn. It is also agreeable that the undertaking given to NAAC will be displayed on the college website.

Date: 6-03-2017

  
Dr. Fr. Victor Lobo SJ

Principal/Head of Institution

Place: Bangalore

378

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• Re-Accredited by NAAC with 'A' Grade • College of Excellence - UGC  
Website : [www.sjc.ac.in](http://www.sjc.ac.in) E-mail : [admin@sjc.ac.in](mailto:admin@sjc.ac.in)

Annexure - 3

000005

0003

④

University Grants Commission  
Bahadur Shah Zafar Marg,  
New Delhi-110002.

Dated Dec, 82.

22 DEC 1982

University,

of colleges prepared under Sec.2(f) of the  
Act, 1956 -inclusion of new colleges in the -  
.....

I am directed to refer to your letter No. DEVD4EIB 176-81  
of 11-82 on the above subject and to say that the name of  
the college has been included in the above list  
of Govt. colleges teaching upto Bachelor's degree.

The College

Year of Estt.

St. Joseph's College, Bangalore  
(continuous affiliation)  
Joseph C. Molapaty S.J.

1972-73  
(Year in which the college  
was split into three  
units)

Indemnity Bond and other documents in respect of the  
college have been accepted by the commission. The college  
is eligible to receive assistance from UGC and central sources  
of the rules framed under section 12-A of the

Yours faithfully,

*C.M. R. MACHANDRAN*  
(C.M. R. MACHANDRAN)

Under Secretary.

Forwarded to:

Principal, St. Joseph's College,  
Bangalore.

Officers/Sections in the UGC office.

*O.P. GUPTA*  
(O.P. GUPTA)  
For Secretary.

तार : यूनीग्रान्ट्स  
GRAMS : UNIGRANTS

दूरभाष : 279241  
Phone : 27 92 41  
टेलिनस : 31-6213  
Telex : 31-6213

विश्वविद्यालय अनुदान आयोग  
UNIVERSITY GRANTS COMMISSION

All communications should be addressed to the  
Secretary, by designation, and not by name

बहादुरशाह ज़ाफर मार्ग  
BAHADURSHAH ZAFAR MARG

संख्या F.8-7/85(G/M)

नई दिल्ली-2, दिनांक 28, 1985  
NEW DELHI-2, Dated

28 MAY 1985

The Registrar,  
Bangalore University,  
Bangalore

Subj: Inclusion of Colleges under Section 12(B) of the  
U.G.C. Act-1956, Karnataka State Universities  
(Amendment) Act, 1982.

Sir,

I am directed to say that in accordance with the Karnataka  
State Universities (Amendment) Act, 1982, permanent affiliation  
may be granted to a college by the University which was affiliated  
continuously for a period not less than five years and fulfilled  
all the conditions of affiliation and attained the academic and  
administrative standards provided by the University from time to  
time. Accordingly, you are now requested to supply a copy of the  
notification regarding permanent affiliation of the under-mentioned  
two colleges to consider the matter further:

- (1) N.M.K.R.V. Ist Grade College for Women, Bangalore.
- (ii) St. Joseph's College, Bangalore.

An early reply is requested.

Yours faithfully,

*Sd/-*  
( S.P. Gupta )  
Under Secretary

Copy to:-

1. The Principal, N.M.K.R.V. Ist Grade College for Women, Bangalore.
2. The Principal, St. Joseph's College, Bangalore.
3. File No. F.8-7/85(G/M)

*R. K. Dureja*  
( R.K. Dureja )  
Section Officer

1907  
31/01/17

ಬೆಂಗಳೂರು ವಿಶ್ವವಿದ್ಯಾಲಯ

ಸಂಖ್ಯೆ: ಎಸಿಎ-3ಎಐ:ಸ್ವಾಯತ್ತತೆ:ಎಲ್.ಬಿ.ಕಾ:2016-17

ಪ್ರಾಚಾರ್ಯ  
ಬೆಂಗಳೂರು-56  
ದಿನಾಂಕ: 12-01-2017

**ಅಧಿಸೂಚನೆ**

ವಿಷಯ: 2016-17ನೇ ಸಾಲಿನಿಂದ ಬೆಂಗಳೂರಿನ ಸ್ಕೆಂಟ್ ಜೋಸೆಫ್ಸ್ ಕಾಲೇಜಿಗೆ ಸ್ವಾಯತ್ತತೆಯನ್ನು ಸವಿಕರಿಸುವ ಬಗ್ಗೆ.

- ಉಲ್ಲೇಖ : 1. ಸರ್ಕಾರದ ಪತ್ರದ ಸಂಖ್ಯೆ:ಇಡಿ:108:ಯು.ಬಿ.ವಿ.2016 ದಿನಾಂಕ:28-12-2016.  
2. ವಿಶ್ವವಿದ್ಯಾಲಯ ಧನ ಸಹಾಯ ಅಯೋಗ, ಸವದೇಹರಿ ಇವರ ಪತ್ರ ದಿನಾಂಕ: 19-04-2016.

ಕರ್ನಾಟಕ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯಗಳ ಅಧಿನಿಯಮ 2008ರ 64ನೇ ಪ್ರಕರಣದ (3)ನೇ ಉಪಪ್ರಕರಣದ ಅಡಿಯಲ್ಲಿ ಮತ್ತು ಬೆಂಗಳೂರು ವಿಶ್ವವಿದ್ಯಾಲಯದ ಸ್ವಾಯತ್ತತಾ ಕಾಲೇಜು/ಸಂಸ್ಥೆ ಪರಿನಿಯಮಾವಳಿ-2005 ಪ್ರಕರಣ 4.8ರಡಿಯಲ್ಲಿ ಬೆಂಗಳೂರು ವಿಶ್ವವಿದ್ಯಾಲಯವು ಬೆಂಗಳೂರಿನ ಸ್ಕೆಂಟ್ ಜೋಸೆಫ್ಸ್ ಕಾಲೇಜು ಸೇರಿಸಿರುವ ಈ ಕೆಳಗೆ ಸಮೂಹಿಸಿರುವ ಕೋರ್ಸುಗಳಿಗೆ ಕೆಳಕಂಡ ಪರಿಶೋಧನೆ, ಶೈಕ್ಷಣಿಕ ಸ್ವಾಯತ್ತತೆಯನ್ನು 2016-17ನೇ ಶೈಕ್ಷಣಿಕ ಸಾಲಿನಿಂದ 2018-19ನೇ ಶೈಕ್ಷಣಿಕ ಸಾಲಿನವರೆಗೆ ಸವಿಕರಿಸಿ ಮಂಜೂರು ಮಾಡಲಾಗಿದೆ.

ಕೋರ್ಸು	ವಿಷಯ ಸಮೂಹ	ವಿದ್ಯಾರ್ಥಿ ಪ್ರಮಾಣ
ಬಿ.ಎ.	ಇತಿಹಾಸ, ಅರ್ಥಶಾಸ್ತ್ರ, ರಾಜ್ಯಶಾಸ್ತ್ರ	100 (ಸೂರು)
	ಅರ್ಥಶಾಸ್ತ್ರ, ಸಮಾಜಶಾಸ್ತ್ರ, ರಾಜ್ಯಶಾಸ್ತ್ರ	100 (ಸೂರು)
	ಅರ್ಥಶಾಸ್ತ್ರ, ಸಮಾಜಶಾಸ್ತ್ರ, ಕೈಗಾರಿಕಾ ಸಂಬಂಧಗಳು	100 (ಸೂರು)
	ಇಂಗ್ಲೀಷ್, ಪತ್ರಿಕೋದ್ಯಮ, ಮನಶಾಸ್ತ್ರ	060 (ಅರವತ್ತು)*
ಬಿ.ಎಸ್ಸಿ.	ಭೌತಶಾಸ್ತ್ರ, ರಸಾಯನಶಾಸ್ತ್ರ, ಗಣಿತ	72 (ಎಪ್ಪತ್ತೆರಡು)
	ಭೌತಶಾಸ್ತ್ರ, ಗಣಿತ, ವಿದ್ಯುನ್ಮಾನ	70 (ಎಪ್ಪತ್ತು)
	ಭೌತಶಾಸ್ತ್ರ, ಗಣಿತ, ಗಣಕವಿಜ್ಞಾನ	70 (ಎಪ್ಪತ್ತು)
	ಗಣಿತ, ವಿದ್ಯುನ್ಮಾನ, ಗಣಕವಿಜ್ಞಾನ	50 (ಐವತ್ತು)
	ರಸಾಯನಶಾಸ್ತ್ರ, ಸಸ್ಯಶಾಸ್ತ್ರ, ಪರಿಸರವಿಜ್ಞಾನ/ಪ್ರಾಣಿಶಾಸ್ತ್ರ	72 (ಎಪ್ಪತ್ತೆರಡು)
	ರಸಾಯನಶಾಸ್ತ್ರ, ಸಸ್ಯಶಾಸ್ತ್ರ, ಪ್ರಾಣಿಶಾಸ್ತ್ರ	72 (ಎಪ್ಪತ್ತೆರಡು)
	ರಸಾಯನಶಾಸ್ತ್ರ, ಸೂಕ್ಷ್ಮಜೀವಶಾಸ್ತ್ರ, ಸಸ್ಯಶಾಸ್ತ್ರ/ಪ್ರಾಣಿಶಾಸ್ತ್ರ	72 (ಎಪ್ಪತ್ತೆರಡು)
	ರಸಾಯನಶಾಸ್ತ್ರ, ಸಸ್ಯಶಾಸ್ತ್ರ, ಜೀವಕಂತ್ರಜ್ಞಾನ	60 (ಅರವತ್ತು)
	ಅರ್ಥಶಾಸ್ತ್ರ, ಗಣಿತಶಾಸ್ತ್ರ, ಸಂಖ್ಯಾಶಾಸ್ತ್ರ*	65 (ಅರವತ್ತೈದು)
	ರಸಾಯನಶಾಸ್ತ್ರ, ಪ್ರಾಣಿಶಾಸ್ತ್ರ, ಜೀವಕಂತ್ರಜ್ಞಾನ*	60 (ಅರವತ್ತು)
ಬಿ.ಸಿ.ಎ	-	66 (ಅರವತ್ತಾರು)
ಬಿ.ಎಸ್.ಡಬ್ಲ್ಯೂ.*	ಬ್ಯಾಚುಲರ್ ಆಫ್ ಸೋಷಿಯಲ್ ವರ್ಕ್	40 (ನಲವತ್ತು)
ಬಿ.ಬಿ.ಸಿ.	ಬ್ಯಾಚುಲರ್ ಆಫ್ ವಿಶುವಲ್ ಕಮ್ಯುನಿಕೇಷನ್*	50 (ಐವತ್ತು)
ಬಿ.ಫೋಲ್.	ವಿಷುವಲ್ ಮೀಡಿಯಾ ಅಂಡ್ ಫಿಲ್ಮ್ ಮೇಕಿಂಗ್	50 (ಐವತ್ತು)
ಬಿ.ಫೋಲ್.	ಡಿಜಿಟಲ್ ಮೀಡಿಯಾ ಅಂಡ್ ಅನಿಮೇಷನ್	50 (ಐವತ್ತು)
ಬಿ.ಕಾಂ.*	-	400 (ಸಾಲ್ವನೂರು)

ಸಂಖ್ಯೆ: ಎಸಿಎ-3ಎಐ:ಸ್ವಾಯತ್ತತೆ:ಎಲ್.ಬಿ.ಕಾ:2016-17



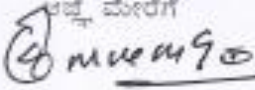
ಕೋರ್ಸು	ವಿಷಯ ಸಮೂಹ	ವಿದ್ಯಾರ್ಥಿ ಪ್ರಮಾಣ
ಎಂ.ಎಸ್ಸಿ.	ಸಸ್ಯಶಾಸ್ತ್ರ	30 (ಮೂವತ್ತು)
	ಸೂಕ್ಷ್ಮಜೀವಶಾಸ್ತ್ರ	30 (ಮೂವತ್ತು)
	ರಸಾಯನಶಾಸ್ತ್ರ	25 (ಇಪ್ಪತ್ತೈದು)
	ಗಣಕವಿಜ್ಞಾನ*	35 (ಮೂವತ್ತೈದು)
	ಭೌತಶಾಸ್ತ್ರ* ಗಣಿತಶಾಸ್ತ್ರ*	30 (ಮೂವತ್ತು) 40 (ನಲವತ್ತು)
ಎಂ.ಎ.	ಇಂಗ್ಲೀಷ್	30 (ಮೂವತ್ತು)
	ರಾಜ್ಯಶಾಸ್ತ್ರ	30 (ಮೂವತ್ತು)
	ಅರ್ಥಶಾಸ್ತ್ರ*	30 (ಮೂವತ್ತು)
ಎಂ.ಎಸ್.ಡಬ್ಲ್ಯೂ.	ಮಾಸ್ಟರ್ ಆಫ್ ಸೋಷಿಯಲ್ ವರ್ಕ್	40 (ನಲವತ್ತು)
ಎಂ.ಎಸ್.	ಕಮ್ಯುನಿಕೇಷನ್*	30 (ಮೂವತ್ತು)

\*ಆಟ್ರಿಟ್ ಗುರುತುಳ್ಳ ಕೋರ್ಸುಗಳು ಕಾಲೇಜು ಸ್ವತಃ ಸ್ವಾಯತ್ತತೆಯಡಿ ಪ್ರಾರಂಭಿಸಲು ಅರ್ಹ ಪರತುಗಳು;

1. ಕಾಲೇಜು ಸ್ಟಾಫ್ ಮುನ್ಸಚಿಯನ್ನು ಕಡ್ಡಾಯವಾಗಿ ನವೀಕರಿಸತಕ್ಕದ್ದು.
2. ಕಾಲೇಜುಗಳಿಗೆ ಅನ್ವಯವಾಗುವ ಅನುದಾನ ಸಂಕಿತದಲ್ಲಿ ಯಾವುದೇ ಉಪಬಂಧಗಳಿದ್ದರೂ ಮೊಟ್ಟಮೊದಲನೆಯದಾಗಿ ಕಾಲೇಜುಗಳಿಗೆ ಅನುದಾನವನ್ನು ಮಂಜೂರುಮಾಡುವುದಿಲ್ಲ; ಅದು ಶಾಶ್ವತ ಅನುದಾನ ರೂಪ ಕಾಲೇಜಿಯ ಪರಿಗಣಿಸತಕ್ಕದ್ದು.
3. ಈ ಸ್ವಾಯತ್ತತೆಯು ಶೈಕ್ಷಣಿಕ ಸ್ವಾಯತ್ತತೆಯು ಮಾತ್ರ ಅಗಿಯುತ್ತದೆ.
4. ಈ ಸ್ವಾಯತ್ತತೆಯು ಮಂಜೂರು ಮಾಡಲ್ಪಟ್ಟಿರುವ ಕೋರ್ಸುಗಳಿಗೆ ಮಾತ್ರ ಅನ್ವಯಿಸುತ್ತದೆ.
5. ಕಾಲೇಜು ರಾಜ್ಯ ಸರ್ಕಾರವು ಬಾರಿಗೊಳಿಸಿರುವ ಮೀಸಲಾತಿ ನಿಯಮಗಳನ್ನು ವಿದ್ಯಾರ್ಥಿಗಳ ಪ್ರವೇಶದಲ್ಲಿ ಮತ್ತು ಸಿಬ್ಬಂದಿಗಳ ನೇಮಕಾತಿಗಳಲ್ಲಿ ತಪ್ಪದೇ ಅನುಸರಿಸತಕ್ಕದ್ದು.
6. ಕಾಲೇಜು ಕಾಲ ಕಾಲಕ್ಕೆ ವಿಶ್ವವಿದ್ಯಾಲಯಕ್ಕೆ ಸಲ್ಲಿಸಬೇಕಾದ, ವಾರ್ಷಿಕ ಶುಲ್ಕ, ನೋಂದಣಿ ಶುಲ್ಕ, ಎನ್.ಎಸ್.ಎಸ್. ಶುಲ್ಕ, ಅರ್ಹತಾ ಶುಲ್ಕ ಮತ್ತು ಇತರೇ ಅನ್ವಯವಾಗುವ ಶುಲ್ಕಗಳನ್ನು ವಿಶ್ವವಿದ್ಯಾಲಯಕ್ಕೆ ತಪ್ಪದೇ ಸಂದಾಯ ಮಾಡತಕ್ಕದ್ದು.
7. ಜಾರಿಯಲ್ಲಿರುವ ಸರ್ಕಾರದ ನಿಯಮಾವಳಿ, ಆದೇಶಗಳು ಹಾಗೂ ವಿಶ್ವವಿದ್ಯಾಲಯದ ಅನುಕಾಸನ, ಸ್ವಾಯತ್ತತಾ ಪರಿನಿಯಮಾವಳಿ ಇತ್ಯಾದಿಗಳನ್ನು ಕಟ್ಟುನಿಟ್ಟಾಗಿ ಪಾಲಿಸಬೇಕು;
8. ಕಾಲೇಜು ಸ್ವಾಯತ್ತತಾ ಪರಿನಿಯಮಾವಳಿಯಲ್ಲಿ ಸೂಚಿಸಿರುವಂತೆ ಕಾಲ ಕಾಲಕ್ಕೆ ಅನ್ವಯವಾಗುವ ವರದಿಗಳನ್ನು ಕಾಲೇಜು ತಪ್ಪದೇ ವಿಶ್ವವಿದ್ಯಾಲಯಕ್ಕೆ ಸಲ್ಲಿಸತಕ್ಕದ್ದು.
9. ಕೋರ್ಸುಗಳಿಗೆ ವಿಶ್ವವಿದ್ಯಾಲಯದ ಪೂರ್ವಾನುಮತಿಯಿಲ್ಲದೆ ಶಾಖೆಗಳನ್ನು ಹೆಚ್ಚಿಸಬಾರದು.
10. ವಿಶ್ವವಿದ್ಯಾಲಯವು, ಕಾಲೇಜಿನ ವಿದ್ಯಾರ್ಥಿಗಳು, ಛೇದಕರು ಹಾಗೂ ಛೇದಕೇತರ ನೌಕರರ ಬಗ್ಗೆ ಕಾಲಕಾಲಕ್ಕೆ ತೋರಿಸುವ ನಿಯಮಾವಳಿ/ಪರಿನಿಯಮಾವಳಿ ಮತ್ತು ಆದೇಶಗಳನ್ನು ಕಾಲೇಜು ಪಾಲಿಸತಕ್ಕದ್ದು. ಕಾಲೇಜು, ವಿಶ್ವವಿದ್ಯಾಲಯದ ಸಂಯೋಜನಾ ಅಧಿಸೂಚನೆಗನುಸಾರವಾಗಿ ಕೋರ್ಸುಗಳಿಗೆ ನಿಗದಿಪಡಿಸಿರುವ ವಿದ್ಯಾರ್ಥಿ ಪ್ರಮಾಣವನ್ನು ಮೀರದಂತೆ ಹಾಗೂ ವಿಶ್ವವಿದ್ಯಾಲಯವು ಕೋರ್ಸುಗಳಿಗೆ ನಿಗದಿಪಡಿಸಿರುವ ಅರ್ಹತಾ ನಿಯಮಾವಳಿಗಳನ್ನು ಉಲ್ಲಂಘಿಸದಂತೆ ಕೋರ್ಸುಗಳಿಗೆ ವಿದ್ಯಾರ್ಥಿಗಳ ಪ್ರವೇಶವನ್ನು ಮಾಡಿಸಿಕೊಳ್ಳತಕ್ಕದ್ದು. ಕೋರ್ಸುಗಳಿಗೆ ನಿಗದಿಪಡಿಸಿರುವ ವಿದ್ಯಾರ್ಥಿ ಪ್ರಮಾಣವನ್ನು ಮೀರಿ ವಿದ್ಯಾರ್ಥಿಗಳ ಪ್ರವೇಶವನ್ನು ಮಾಡಿಸಿಕೊಂಡಲ್ಲಿ ಸಂಯೋಜನೆಯನ್ನು ರದ್ದುಪಡಿಸಲಾಗುವುದು.
11. ಕಾಲೇಜು, ಕೋರ್ಸುಗಳ ಶಿಕ್ಷಣ ಕ್ರಮವನ್ನು, ವಿದ್ಯಾರ್ಥಿಗಳ ಶೈಕ್ಷಣಿಕವಾಗಿ ಅಭಿವೃದ್ಧಿಗೊಳಿಸುವ ಮಟ್ಟಕ್ಕೆ ಉತ್ತಮಪಡಿಸತಕ್ಕದ್ದು. ವಿದ್ಯಾರ್ಥಿಗಳನ್ನು, ಸೇವೆಯಲ್ಲಿರುವ ಛೇದಕರುಗಳನ್ನು ಪ್ರಾಂಶುಪಾಲರು/ಆಡಳಿತ ಮಂಡಳಿಯವರು ಸಹಾನುಭೂತಿಯಿಂದ ನೋಡಿಕೊಳ್ಳತಕ್ಕದ್ದು.
12. ಕಾಲೇಜು/ಆಡಳಿತ ಮಂಡಳಿ ಶೇ.50ರಷ್ಟು ವಿಶ್ವವಿದ್ಯಾಲಯ ಕೋಟಾವನ್ನು (ಎಲ್ಲಿ ಅನ್ವಯವಾಗುತ್ತದೆಯೋ ಅಲ್ಲಿ) ವಿಶ್ವವಿದ್ಯಾಲಯದ ನಿಯಮಾವಳಿಯ ಪ್ರಕಾರ ನಿಗದಿಪಡಿಸತಕ್ಕದ್ದು; ಮತ್ತು ಕಾಲಕಾಲಕ್ಕೆ ವಿಶ್ವವಿದ್ಯಾಲಯವು

ನಿಗದಿಪಡಿಸುವ ಕುಲ್ಕುವನ್ನು ಮಾತ್ರ ವಸೂಲುಮಾಡತಕ್ಕದ್ದು. ವಿಶ್ವವಿದ್ಯಾಲಯವು ನಿಗದಿಪಡಿಸಿದ ಕುಲ್ಕು/ಮೊತ್ತಕ್ಕಿಂತ ಬೇರೆ ಬೆಚ್ಚಿನ ಮೊತ್ತವನ್ನು ವಸೂಲು ಮಾಡತಕ್ಕದ್ದಲ್ಲ.

13. ವೈಪಾಕ V/S ರಾಜಸ್ಥಾನದ ರಾಜ್ಯ ಸರ್ಕಾರದ ಮೊಕದ್ದಮೆಗೆ ಸಂಬಂಧಿಸಿದಂತೆ, ದಿನಾಂಕ:13-8-1997ರ ಸರ್ವೋಚ್ಚ ನ್ಯಾಯಾಲಯದ ತೀರ್ಮಾನಂತೆ, ಕಾಲೇಜು ಅಥವಾ ಕಛೇರಿ, ಕೆಲಸ ನಿರ್ವಹಿಸುವ ಸ್ಥಳಗಳಲ್ಲಿ, ಯಾವುದೇ ವ್ಯಕ್ತಿ/ವಿದ್ಯಾರ್ಥಿ, ಗಲಭೆಯನ್ನು ಉಂಟುಮಾಡುವುದಾಗಲೀ ಅಥವಾ ಯಾವುದೇ ವ್ಯಕ್ತಿಯಿಂದ(ಬೋಧಕ/ ಬೋಧಕೇತರ/ ಅಧಿಕಾರಮಂಡಲ) ಅಥವಾ ವಿದ್ಯಾರ್ಥಿಯಿಂದ ಪುಟಿಯರಿಗೆ/ವಿದ್ಯಾರ್ಥಿನಿಯರಿಗೆ ಯಾವುದೇ ರೀತಿಯ ತಿರುಕಳ, ಲೈಂಗಿಕ ತಿರುಕಳ ನೀಡುವುದು ತಿಕ್ಕಾರ್ಪ ಆಪರಾಧವಾಗಿದೆ. ಯಾವುದೇ ವ್ಯಕ್ತಿ/ವಿದ್ಯಾರ್ಥಿ ಈ ರೀತಿಯಾದ ಚುಟುವಟಿಕೆಗಳಲ್ಲಿ ಭಾಗಿಯಾಗಿದ್ದಲ್ಲಿ ಅಂತಹವರನ್ನು ಕೆಲಸದಿಂದ/ ವಿದ್ಯಾರ್ಥಿದೇವಿಯಿಂದ ವಿಸಮಾಪ್ತಿಗೊಳಿಸಬಹುದಾಗಿದೆ. ಕಾಲೇಜು ಈ ರೀತಿಯ ಅಪರಾಧಗಳನ್ನು/ಚುಟುವಟಿಕೆಗಳನ್ನು ಮಟ್ಟಪಾಕಲು ಸರ್ವೋಚ್ಚ ನ್ಯಾಯಾಲಯದ ಆದೇಶದಂತೆ ಮೂರು ಸಮಿತಿಯನ್ನು ಸ್ಥಾಪನೆ ಮಾಡತಕ್ಕದ್ದು. ಇಂತಹ ಚುಟುವಟಿಕೆಗಳನ್ನು ನಿರಂತರಿಸಲು ಕ್ರಮ ಜರುಗಿಸತಕ್ಕದ್ದು.
14. ಕಾಲೇಜು ವಿನಾಶಕಾರಿ ವಿದ್ಯಾರ್ಥಿಗಳ ಅಂಕಪಟ್ಟಿ ಹಾಗೂ ಇತರೇ ದಾವಿಲೆಗಳನ್ನು ಆರು ತಿಂಗಳ ಅವಧಿ ಮೀರದಂತೆ ತಮ್ಮಲ್ಲಿಯೇ ಇಟ್ಟುಕೊಳ್ಳತಕ್ಕದ್ದಲ್ಲ. ಪ್ರವೇಶ ಅನುಮೋದನೆಗಾಗಿ ಸಲ್ಲಿಸಿರುವ ಅಂಕಪಟ್ಟಿ ಹಾಗೂ ಇತರೇ ದಾವಿಲೆಗಳನ್ನು, ಪ್ರವೇಶ ಅನುಮೋದನೆಯಾದ ನಂತರ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ತ್ವರಿತವಾಗಿ ಅವರಿಗೆ ವಿತರಣೆಯನ್ನು ಮಾಡಿ ವಿಶ್ವವಿದ್ಯಾಲಯಕ್ಕೆ ತಿಳಿಸತಕ್ಕದ್ದು.
15. ವಿದ್ಯಾರ್ಥಿಗಳು, ಪೂಜಾ ಮಠ ಪತ್ರವನ್ನು ನೀಡುವ ಬಗ್ಗೆ ಮನವಿ ಸಲ್ಲಿಸಿದಲ್ಲಿ, ಕಾಲೇಜು ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಯಾವುದೇ ತೊಂದರೆ ನೀಡದೆ, ವರ್ಗಾವಣೆ ಪತ್ರವನ್ನು ನೀಡತಕ್ಕದ್ದು. ಈ ಬಗ್ಗೆ ಆ ವರ್ಷದ/ಸೆಮಿಸ್ಟರ್‌ನ ಪೂರ್ಣವಾಗದ ಅವಧಿಯ ಭೋದನಾ ಕುಲ್ಕುವನ್ನು ಹೊರತುಪಡಿಸಿ, ಯಾವುದೇ ಹೆಚ್ಚುವರಿ ಕುಲ್ಕುವನ್ನು ವಸೂಲಿ ಮಾಡಲು ನಿಯಮಾವಳಿ ಪ್ರಕಾರ ಅನುಮತಿ ಇರುವುದಿಲ್ಲ.
16. ಯಾವುದೇ ರೀತಿಯಾದ ಕ್ಯಾಪಿಟೇಷನ್ ಕುಲ್ಕುವನ್ನು ಕಾಲೇಜು ವಸೂಲಿ ಮಾಡತಕ್ಕದ್ದಲ್ಲ.
17. ಆಡಳಿತ ಪತ್ರವಹಾರದಲ್ಲಿ ಕನ್ನಡವನ್ನು ಕಡ್ಡಾಯವಾಗಿ ಬಳಸತಕ್ಕದ್ದು.
18. ಸ್ವಾಯತ್ತತೆಯ ಅವಧಿ ಮುಗಿದ ಮೇಲೆ, ಮತ್ತು ಈ ಸ್ವಾಯತ್ತತೆಯ ಸಮೀಕ್ಷಾರಾಜ ಪರಿಶೀಲನೆಗೆ ಬೆಂಗಳೂರು ವಿಶ್ವವಿದ್ಯಾಲಯಕ್ಕೆ ತಪ್ಪದೇ ಅರ್ಜಿ ಸಲ್ಲಿಸತಕ್ಕದ್ದು.
19. ಸ್ವಾಯಿ ಸಮಿತಿಯು ವಿಧಿಸಿರುವ ಪ್ರತಿಯೊಂದು ಪರತ್ರವನ್ನು ಕಟ್ಟುನಿಟ್ಟಾಗಿ ಪಾಲಿಸಬೇಕು ಹಾಗೂ ಇವುಗಳನ್ನು ಪಾಲಿಸಿದ ಬಗ್ಗೆ ವರದಿಯನ್ನು ವಿಶ್ವವಿದ್ಯಾಲಯಕ್ಕೆ 15 ದಿನಗಳ ಒಳಗಾಗಿ ಕಳುಹಿಸತಕ್ಕದ್ದು.
20. ಈ ಅಧಿಸೂಚನೆಯೊಂದಿಗೆ ಲಗತ್ತಿಸಿರುವ ಮುಚ್ಚಳಿಕೆ ಪತ್ರದ ಮಾದರಿಯನ್ನು ರೂ.20/-ಗಳ ಚಾಪಾಣಕದದಲ್ಲಿ ಬೆರಳಚ್ಚು ಮಾಡಿ, ಕಾಲೇಜಿನ ಅಧ್ಯಕ್ಷರು/ಪ್ರಾಂಶುಪಾಲರಿಂದ ಸಹಿ ಮಾಡಿಸಿ, ವಿಶ್ವವಿದ್ಯಾಲಯಕ್ಕೆ 15 ದಿನಗಳ ಒಳಗಾಗಿ ಸಲ್ಲಿಸತಕ್ಕದ್ದು.

ಆಜ್ಞೆ ಮೇರೆಗೆ  
  
 ಕುಲಸಚಿವರು 13/01/17

ಗೆ,

1. ಅಧ್ಯಕ್ಷರು/ಕಾರ್ಯದರ್ಶಿ,  
 ಬೆಂಗಳೂರು ಜೇಸುಯಿಟ್ ಎಜುಕೇಷನಲ್ ಸೊಸೈಟಿ,  
 ಮ್ಯೂಸಿಯಂ ರಸ್ತೆ, ಬೆಂಗಳೂರು-560 025.
2. ಪ್ರಾಂಶುಪಾಲರು,  
 ಸ್ಕಿಂಟ್ ಜೋಸೆಫ್ಸ್ ಕಾಲೇಜು,  
 ಪಿ.ಬಿ. ನಂ.27094, ಲಾಲ್ ಬಾಗ್ ರಸ್ತೆ,  
 ಬೆಂಗಳೂರು-560 027.

ಪ್ರತಿಗಳು:

ಸಂಖ್ಯೆ: ಎಸಿಎ-31ಎ30/ಸ್ವಾಯತ್ತತೆ:ಎಸ್.ಜೆ.ಕಂ.2016-17

1. ಕೃಷಕ ಕಾರ್ಯದರ್ಶಿಯವರು, ಉನ್ನತ ಕಿಲ್ಲಾ ಇಲಾಖೆ (ವಿಶ್ವ ವಿದ್ಯಾಲಯ), ಎನ್. ಅರಸೀಕೆರೆ ಪಿ.ಓ, ಬೆಂಗಳೂರು-1
2. ಅಧ್ಯಕ್ಷರು/ಕಾರ್ಯದರ್ಶಿಯವರು, ವಿಶ್ವವಿದ್ಯಾಲಯ ಭವನ ಕಟ್ಟಡ ಕೋಣೆ, ಬಹದ್ದೂರು ಹಾ ಇನ್ಸ್ಟಿಟ್ಯೂಟ್ ಮಾರ್ಗ, ನವನಗರ-110 002
3. ಪ್ರಾದೇಶಿಕ ನಿರ್ದೇಶಕರು, ವಿಶ್ವವಿದ್ಯಾಲಯ ಭವನ ಕಟ್ಟಡ ಕೋಣೆ, ಪಿ.ಸಿ. ಬ್ಲಾಕ್, ಅರಸೀಕೆರೆ ರಸ್ತೆ, ಬೆಂಗಳೂರು-560 009.
4. ಕಾರ್ಯದರ್ಶಿಯವರು, ಎ.ಐ.ಪಿ.ಐ.ಇ., ಇಂದಿರಾಗಾಂಧಿ ಸ್ಪೋರ್ಟ್ಸ್ ಕಾಂಪ್ಲೆಕ್ಸ್, ಪಿ.ಸಿ.ಎಬ್ಲಾಕ್, ನವನಗರ-110002
5. ನಿರ್ದೇಶಕರು, ಕಿಲ್ಲಾ ಆಯುಕ್ತರು, ಬೆಂಗಳೂರು-1.
6. ಕುಲಸಚಿವರು (ವಿಶ್ವವಿದ್ಯಾಲಯ), ಬಿ. ಎ., ಬೆಂಗಳೂರು-1.
7. ನಿರ್ದೇಶಕರು, ಪಾರಿಶಾ ಅಭಿವೃದ್ಧಿ ಪ್ರಾಧಿಕಾರ, ಬೆಂಗಳೂರು ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಂಗಳೂರು-01.
8. ನಿರ್ದೇಶಕರು, ಪಿ.ಎಂ.ಇ.ಬಿ., ಬೆಂಗಳೂರು ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಂಗಳೂರು-56
9. ಉಪ ಕುಲಸಚಿವರು : ಅಧೀಕ್ಷಕರು ಕೈಕೆರೆಕೆ ವಿಭಾಗ-1/2/4, ಬಿ. ಎ., ಬೆಂಗಳೂರು-56.

107  
31/01/17

ಬೆಂಗಳೂರು ವಿಶ್ವವಿದ್ಯಾಲಯ

ಸಂಖ್ಯೆ: ಎಸಿಎ-3/ವಿವಿ:ಸ್ನಾಯುತ್ಪತ್ತಿ/ವಿ.ವಿ.2016-17

ಬ್ಯಾಚುಲರ್  
ಬೆಂಗಳೂರು-56  
ದಿನಾಂಕ: 12-01-2017

**ಅಧಿಸೂಚನೆ**

ವಿಷಯ: 2016-17ನೇ ಸಾಲಿನಿಂದ ಬೆಂಗಳೂರಿನ ಸೈಂಟ್ ಜೋಸೆಫ್ಸ್ ಕಾಲೇಜಿಗೆ ಸ್ನಾಯುತ್ಪತ್ತಿಯನ್ನು ನವೀಕರಿಸುವ ಬಗ್ಗೆ.

- ಉಲ್ಲೇಖ : 1. ಸರ್ಕಾರದ ಪತ್ರದ ಸಂಖ್ಯೆ:ಇಡಿ:108:ಯು.ಬಿ.ವಿ.2016 ದಿನಾಂಕ:28-12-2016.  
2. ವಿಶ್ವವಿದ್ಯಾಲಯ ಭಸ ಸಚಾಯಿ ಅರೋಗ, ನವದೆಹಲಿ ಇವರ ಪತ್ರ ದಿನಾಂಕ: 19-04-2016.

ಕರ್ನಾಟಕ ವಾಯು ವಿಶ್ವವಿದ್ಯಾಲಯ(19) ಅಧಿನಿಯಮ 2000ರ 64ನೇ ಪ್ರಕರಣ (2)ನೇ ಉಪಪ್ರಕರಣದ ಅಡಿಯಲ್ಲಿ ಮತ್ತು ಬೆಂಗಳೂರು ವಿಶ್ವವಿದ್ಯಾಲಯದ ಸ್ನಾಯುತ್ಪತ್ತಿ ಕಾಲೇಜು/ಸಂಸ್ಥೆ ಪರಿನಿಯಮಾವಳಿ-2005 ಪ್ರಕರಣ 4.8ರಡಿಯಲ್ಲಿ ಬೆಂಗಳೂರು ವಿಶ್ವವಿದ್ಯಾಲಯವು ಬೆಂಗಳೂರಿನ ಸೈಂಟ್ ಜೋಸೆಫ್ಸ್ ಕಾಲೇಜು ನವೀಕರಿಸುವ ಈ ಕೆಳಗೆ ನಮೂದಿಸಿರುವ ಕೋರ್ಸುಗಳಿಗೆ ಕೆಳಕಂಡ ಪರಾಕ್ರಮಗಳನ್ನು, ಶೈಕ್ಷಣಿಕ ಸ್ನಾಯುತ್ಪತ್ತಿಯನ್ನು 2016-17ನೇ ಶೈಕ್ಷಣಿಕ ಸಾಲಿನಿಂದ 2018-19ನೇ ಶೈಕ್ಷಣಿಕ ಸಾಲಿನವರೆಗೆ ನವೀಕರಿಸಿ ಮುಂದುವರಿಸುವುದಾಗಿವೆ.

ಕೋರ್ಸು	ವಿಷಯ ಸಮೂಹ	ವಿದ್ಯಾರ್ಥಿ ಪ್ರಮಾಣ
ಬಿ.ಎ.	ಗಣಿತಾನ್ವಯ, ಅರ್ಥಶಾಸ್ತ್ರ, ದಾಖಲಾತ್ಪತ್ತಿ	100 (ನೂರು)
	ಅರ್ಥಶಾಸ್ತ್ರ, ಸಮಾಜಶಾಸ್ತ್ರ, ದಾಖಲಾತ್ಪತ್ತಿ	100 (ನೂರು)
	ಅರ್ಥಶಾಸ್ತ್ರ, ಸಮಾಜಶಾಸ್ತ್ರ, ಕೈಗಾರಿಕಾ ಸಂಬಂಧಗಳು	100 (ನೂರು)
	ಇಂಗ್ಲೀಷ್, ಪತ್ರಿಕೋದ್ಯಮ, ಮನಃಶಾಸ್ತ್ರ	060 (ಅರವತ್ತು)*
ಬಿ.ಎಸ್ಸಿ.	ಭೌತಶಾಸ್ತ್ರ, ರಸಾಯನಶಾಸ್ತ್ರ, ಗಣಿತ	72 (ಎಪ್ಪತ್ತೆರಡು)
	ಭೌತಶಾಸ್ತ್ರ, ಗಣಿತ, ವಿದ್ಯುನ್ಮಾನ	70 (ಎಪ್ಪತ್ತು)
	ಭೌತಶಾಸ್ತ್ರ, ಗಣಿತ, ಗಣಕವಿಜ್ಞಾನ	70 (ಎಪ್ಪತ್ತು)
	ಗಣಿತ, ವಿದ್ಯುನ್ಮಾನ, ಗಣಕವಿಜ್ಞಾನ	50 (ಐವತ್ತು)
	ರಸಾಯನಶಾಸ್ತ್ರ, ಸಸ್ಯಶಾಸ್ತ್ರ, ಪರಿಸರವಿಜ್ಞಾನ/ಪ್ರಾಣಿಶಾಸ್ತ್ರ	72 (ಎಪ್ಪತ್ತೆರಡು)
	ರಸಾಯನಶಾಸ್ತ್ರ, ಸಸ್ಯಶಾಸ್ತ್ರ, ಪ್ರಾಣಿಶಾಸ್ತ್ರ	72 (ಎಪ್ಪತ್ತೆರಡು)
	ರಸಾಯನಶಾಸ್ತ್ರ, ಸೂಕ್ಷ್ಮಜೀವಶಾಸ್ತ್ರ, ಸಸ್ಯಶಾಸ್ತ್ರ/ಪ್ರಾಣಿಶಾಸ್ತ್ರ	72 (ಎಪ್ಪತ್ತೆರಡು)
	ರಸಾಯನಶಾಸ್ತ್ರ, ಸಸ್ಯಶಾಸ್ತ್ರ, ಜೀವಕಂತ್ರಜ್ಞಾನ	60 (ಅರವತ್ತು)
ಬಿ.ಸಿ.ಎ	ಅರ್ಥಶಾಸ್ತ್ರ, ಗಣಿತಶಾಸ್ತ್ರ, ಸಂಖ್ಯಾಶಾಸ್ತ್ರ*	65 (ಅರವತ್ತೈದು)
	ರಸಾಯನಶಾಸ್ತ್ರ, ಪ್ರಾಣಿಶಾಸ್ತ್ರ, ಜೀವಕಂತ್ರಜ್ಞಾನ*	60 (ಅರವತ್ತು) (17)
ಬಿ.ಸಿ.ಎ	-	66 (ಅರವತ್ತಾರು)
ಬಿ.ಎಸ್.ಡಬ್ಲ್ಯೂ.*	ಬ್ಯಾಚುಲರ್ ಆಫ್ ಸೋಷಿಯಲ್ ವರ್ಕ್	40 (ನಲವತ್ತು)
ಬಿ.ಬಿ.ಎ.	ಬ್ಯಾಚುಲರ್ ಆಫ್ ವಿಶುವಲ್ ಕಮ್ಯುನಿಕೇಷನ್*	50 (ಐವತ್ತು)
ಬಿ.ಪೋಲ್.	ವಿಶುವಲ್ ಮೀಡಿಯಾ ಅಂಡ್ ಫಿಲ್ಮ್ ಮೇಕಿಂಗ್	50 (ಐವತ್ತು)
ಬಿ.ಪೋಲ್.	ಡಿಜಿಟಲ್ ಮೀಡಿಯಾ ಅಂಡ್ ಅನಿಮೇಷನ್	50 (ಐವತ್ತು)
ಬಿ.ಕಾಂ.*	-	400 (ಐವತ್ತನೂರು)

ಸಂಖ್ಯೆ: ಎಸಿಎ-3/ವಿವಿ:ಸ್ನಾಯುತ್ಪತ್ತಿ/ವಿ.ವಿ.2016-17

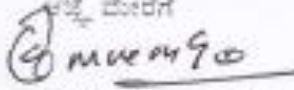
ಕೋರ್ಸು	ವಿಷಯ ಸಮೂಹ	ವಿದ್ಯಾರ್ಥಿ ಪ್ರಮಾಣ
ಎಂ.ಎಸ್ಸಿ.	ಸಸ್ಯಶಾಸ್ತ್ರ	30 (ಮೂವತ್ತು)
	ಸೂಕ್ಷ್ಮಜೀವಶಾಸ್ತ್ರ	30 (ಮೂವತ್ತು)
	ರಸಾಯನಶಾಸ್ತ್ರ	25 (ಇಪ್ಪತ್ತೈದು)
	ಗಣಕವಿಜ್ಞಾನ*	35 (ಮೂವತ್ತೈದು)
	ಭೌತಶಾಸ್ತ್ರ*	30 (ಮೂವತ್ತು)
ಎಂ.ಎ.	ಗಣಕಶಾಸ್ತ್ರ*	40 (ನಲವತ್ತು)
	ಇಂಗ್ಲೀಷ್	30 (ಮೂವತ್ತು)
	ರಾಜ್ಯಶಾಸ್ತ್ರ	30 (ಮೂವತ್ತು)
ಎಂ.ಎಸ್.ಬಿ.ಟ್ಯೂ.6	ಅರ್ಥಶಾಸ್ತ್ರ*	30 (ಮೂವತ್ತು)
ಎಂ.ಎಸ್.	ಮಾಸ್ಟರ್ ಆಫ್ ಸೋಷಿಯಲ್ ವರ್ಕ್	40 (ನಲವತ್ತು)
ಎಂ.ಎಸ್.	ಕಮ್ಯೂನಿಕೇಷನ್*	30 (ಮೂವತ್ತು)

\*ಆರ್ಟ್ ನುಡುಯಲ್ ಕೋರ್ಸುಗಳು ಕಾಲೇಜು ಸ್ವತಃ ಸ್ವಾಯತ್ತತೆಯಡಿಯಲ್ಲಿ ಪ್ರಾರಂಭಿಸುತ್ತಾ ರ್ ಪ್ರಾರಂಭಿಸುತ್ತಿವೆ.

1. ಕಾಲೇಜು ಸ್ಕಾಲ್ ಮೂಲತಃಯನ್ನು ಕಲ್ಪಿಸುವುದಾಗಿ ನೋಡಲಾಗುತ್ತದೆ.
2. ಕಾಲೇಜುಗಳಿಗೆ ಅನ್ವಯವಾಗುವ ಅನುದಾನ ಸೂಚಿಸುವಲ್ಲಿ ಯಾವುದೇ ಅನುಬಂಧಗಳಿಲ್ಲದಂತೆ ಮೇಲ್ಕಂಡ ಕಾಲೇಜುಗಳ ಸರ್ಕಾರದ ಯಾವುದೇ ಅನುದಾನವನ್ನು ಮಂಜೂರುಮಾಡುವುದಿಲ್ಲ; ಆದರೆ ಶಾಶ್ವತ ಅನುದಾನ ರೂಪ ಕಾಲೇಜುಗಳ ಪರಿಗಣಿಸತಕ್ಕದ್ದು.
3. ಈ ಸ್ವಾಯತ್ತತೆಯು ಶೈಕ್ಷಣಿಕ ಸ್ವಾಯತ್ತತೆಯು ಮಾತ್ರ ಆಗಿರುತ್ತದೆ.
4. ಈ ಸ್ವಾಯತ್ತತೆಯು ಮಂಜೂರು ಮಾಡಲ್ಪಟ್ಟಿರುವ ಕೋರ್ಸುಗಳಿಗೆ ಮಾತ್ರ ಅನ್ವಯಿಸುತ್ತದೆ.
5. ಕಾಲೇಜು ರಾಜ್ಯ ಸರ್ಕಾರದ ಹಾರಿಂಗ್‌ಗಳಿಂದ ಮೀರಲಾಗಿ ನಿಯಮಗಳನ್ನು ವಿದ್ಯಾರ್ಥಿಗಳ ಪ್ರವೇಶದಲ್ಲಿ ಮತ್ತು ವಿದ್ಯಾರ್ಥಿಗಳ ಸೇವಾಶಿಕ್ಷಣದಲ್ಲಿ ತಪ್ಪದೇ ಅನುಸರಿಸತಕ್ಕದ್ದು.
6. ಕಾಲೇಜು ಕಾಲ ಕಾಲಕ್ಕೆ ವಿಶ್ವವಿದ್ಯಾಲಯಕ್ಕೆ ಸಲ್ಲಿಸಬೇಕಾದ, ವಾರ್ಷಿಕ ಮತ್ತು ಸೋಮರ್ ಮತ್ತು ಎಸ್.ಎಸ್.ಎಸ್. ಮತ್ತು ಅರ್ಥಶಾಸ್ತ್ರ ಮತ್ತು ಇತರ ಅನ್ವಯವಾಗುವ ಕುಟ್ಟುಗಳನ್ನು ವಿಶ್ವವಿದ್ಯಾಲಯಕ್ಕೆ ತಪ್ಪದೇ ಸಂದಾಯ ಮಾಡತಕ್ಕದ್ದು.
7. ಹಾನಿಯಲ್ಲಿರುವ ಸರ್ಕಾರದ ನಿಯಮಾವಳಿ, ಆದೇಶಗಳು ಹಾಗೂ ವಿಶ್ವವಿದ್ಯಾಲಯದ ಅನುಷ್ಠಾನ, ಸ್ವಾಯತ್ತತಾ ಪರಿನಿಯಮಾವಳಿ ಇತ್ಯಾದಿಗಳನ್ನು ಕಟ್ಟಿಬಿಟ್ಟು ಹಾರಿಸಬೇಕು.
8. ಕಾಲೇಜು ಸ್ವಾಯತ್ತತಾ ಪರಿನಿಯಮಾವಳಿಯಲ್ಲಿ ಸೂಚಿಸುವಂತೆ ಕಾಲ ಕಾಲಕ್ಕೆ ಅನ್ವಯವಾಗುವ ವರದಿಗಳನ್ನು ಕಾಲೇಜು ತಪ್ಪದೇ ವಿಶ್ವವಿದ್ಯಾಲಯಕ್ಕೆ ಸಲ್ಲಿಸತಕ್ಕದ್ದು.
9. ಕೋರ್ಸುಗಳಿಗೆ ವಿಶ್ವವಿದ್ಯಾಲಯದ ಪೂರ್ವಾನುಮತಿಯಿಲ್ಲದೆ ಕಾರ್ಯಗಳನ್ನು ನಡೆಸಬಾರದು.
10. ವಿಶ್ವವಿದ್ಯಾಲಯವು, ಕಾಲೇಜಿನ ವಿದ್ಯಾರ್ಥಿಗಳು, ಭೋಧಕರು ಹಾಗೂ ಭೋಧಕರಿಂದ ನೇಮಕರಿಸಿದ ಕಾಲಕಾಲಕ್ಕೆ ಹೊರಡಿಸುವ ನಿಯಮಾವಳಿ/ಪರಿನಿಯಮಾವಳಿ ಮತ್ತು ಆದೇಶಗಳನ್ನು ಕಾಲೇಜು ಹಾರಿಸತಕ್ಕದ್ದು. ಕಾಲೇಜು, ವಿಶ್ವವಿದ್ಯಾಲಯದ ಸಂವೇದನಾ ಅಧಿಸೂಚನೆಗಳಿಗನುಸಾರವಾಗಿ ಕೋರ್ಸುಗಳಿಗೆ ನಿಗದಿಪಡಿಸಿರುವ ವಿದ್ಯಾರ್ಥಿ ಪ್ರಮಾಣವನ್ನು ಮೀರದಂತೆ ಹಾಗೂ ವಿಶ್ವವಿದ್ಯಾಲಯವು ಕೋರ್ಸುಗಳಿಗೆ ನಿಗದಿಪಡಿಸಿರುವ ಅರ್ಹತಾ ನಿಯಮಾವಳಿಗಳನ್ನು ಉಲ್ಲಂಘಿಸದಂತೆ ಕೋರ್ಸುಗಳಿಗೆ ವಿದ್ಯಾರ್ಥಿಗಳ ಪ್ರವೇಶವನ್ನು ಮಾಡಿಕೊಳ್ಳತಕ್ಕದ್ದು. ಕೋರ್ಸುಗಳಿಗೆ ನಿಗದಿಪಡಿಸಿರುವ ವಿದ್ಯಾರ್ಥಿ ಪ್ರಮಾಣವನ್ನು ಮೀರಿ ವಿದ್ಯಾರ್ಥಿಗಳ ಪ್ರವೇಶವನ್ನು ಮಾಡಿಕೊಂಡಲ್ಲಿ ಸಂವೇದನೆಯನ್ನು ರದ್ದುಪಡಿಸಲಾಗುವುದು.
11. ಕಾಲೇಜು, ಕೋರ್ಸುಗಳ ಶಿಕ್ಷಣ ಕ್ರಮವನ್ನು, ವಿದ್ಯಾರ್ಥಿಗಳ ಶೈಕ್ಷಣಿಕವಾಗಿ ಅಭಿವೃದ್ಧಿಗೊಳಿಸುವ ಮಟ್ಟಕ್ಕೆ ಉತ್ತಮಪಡಿಸತಕ್ಕದ್ದು. ವಿದ್ಯಾರ್ಥಿಗಳನ್ನು, ಸೇವೆಯಲ್ಲಿರುವ ಭೋಧಕರುಗಳನ್ನು ಪ್ರಾಂಶುಪಾಲರು/ಆಡಳಿತ ಮಂಡಳಿಯವರು ಸಹಾನುಭೂತಿಯಿಂದ ನೋಡಿಕೊಳ್ಳತಕ್ಕದ್ದು.
12. ಕಾಲೇಜು/ಆಡಳಿತ ಮಂಡಳಿ ರೇ.50ರನ್ನು ವಿಶ್ವವಿದ್ಯಾಲಯ ಕೋಶಾಭಿವೃದ್ಧಿ (ಎಲ್ಡಿ ಅನ್ವಯವಾಗುತ್ತದೆಯೇ ಅಲ್ಡಿ) ವಿಶ್ವವಿದ್ಯಾಲಯದ ನಿಯಮಾವಳಿಯ ಪ್ರಕಾರ ನಿಗದಿಪಡಿಸತಕ್ಕದ್ದು; ಮತ್ತು ಕಾಲಕಾಲಕ್ಕೆ ವಿಶ್ವವಿದ್ಯಾಲಯವು

ನಿಗದಿಪಡಿಸಿದ ಕುಲ್ಪವನ್ನು ಪಾತ್ರ ವಹಿಸುವುದಕ್ಕಿಲ್ಲ. ವಿಶ್ವವಿದ್ಯಾಲಯವು ನಿಗದಿಪಡಿಸಿದ ಕುಲ್ಪ/ವಿಷಯಕ್ಕೆ ಯಾವುದೇ ಬೆಂಬಲ ನೀಡುವುದಿಲ್ಲ.

13. ವೈಶಾಖ V/S ರಾಜಸ್ಥಾನದ ರಾಜ್ಯ ಸರ್ಕಾರದ ಮೊತ್ತಮೊಗೆ ಸಂಬಂಧಿಸಿದಂತೆ, ದಿನಾಂಕ 13-8-1997ರ ಸರ್ವೋಚ್ಚ ನ್ಯಾಯಾಲಯದ ತೀರ್ಪಿನಂತೆ, ಕಾಲೇಜು ಅಥವಾ ಕಛೇರಿ, ಕೆಲಸ ನಿರ್ವಹಿಸುವ ಸ್ಥಳಗಳಲ್ಲಿ, ಯಾವುದೇ ವ್ಯಕ್ತಿ/ವಿದ್ಯಾರ್ಥಿ, ಗುಲಿಯನ್ನು ಉಂಟುಮಾಡುವುದಾಗಿದೆ. ಅಥವಾ ಯಾವುದೇ ವ್ಯಕ್ತಿಯಿಂದ(ಬೋಧಕ/ಬೋಧಕೇತರ/ ಅಧಿಕಾರಿಯಿಂದ) ಅಥವಾ ವಿದ್ಯಾರ್ಥಿಯಿಂದ ಪುಸ್ತಕಗಳಿಗೆ/ವಿದ್ಯಾರ್ಥಿಯಿಂದ ಯಾವುದೇ ರೀತಿಯ ಕಿರುಕಳ, ಲೈಂಗಿಕ ಕಿರುಕಳ ನೀಡುವುದು ತಿಳ್ಪಾಪ ಅಪರಾಧವಾಗಿದೆ. ಯಾವುದೇ ವ್ಯಕ್ತಿ/ವಿದ್ಯಾರ್ಥಿ ಈ ರೀತಿಯಾದ ಚಟುವಟಿಕೆಗಳಲ್ಲಿ ಭಾಗಿಯಾಗಿದ್ದಲ್ಲಿ ಅಂತಹವರನ್ನು ಕೆಲಸದಿಂದ/ ವಿದ್ಯಾರ್ಥಿತ್ವದಿಂದ ನಿರಾಕರಿಸಲಾಗುವುದಾಗಿದೆ. ಕಾಲೇಜು ಈ ರೀತಿಯ ಅಪರಾಧಗಳನ್ನು/ಚಟುವಟಿಕೆಗಳನ್ನು ಮುಟ್ಟುಪಾಕಲು ಸರ್ವೋಚ್ಚ ನ್ಯಾಯಾಲಯದ ಆದೇಶದಂತೆ ಮೂರು ಸಮಿತಿಯನ್ನು ಸ್ಥಾಪನೆ ಮಾಡತಕ್ಕದ್ದು, ಇಂತಹ ಚಟುವಟಿಕೆಗಳನ್ನು ನಿರಂತರವಾಗಿ ಕ್ರಮ ಕಾರ್ಯಗಳನ್ನು.
14. ಕಾಲೇಜು ವಿಸಾಕಾರಣ ವಿದ್ಯಾರ್ಥಿಗಳ ಅಂಕಪಟ್ಟಿ ಹಾಗೂ ಇತರ ದಾಖಲೆಗಳನ್ನು ಅದು ತಿಂಗಳ ಅವಧಿ ಮೀರದಂತೆ ತಮ್ಮಲ್ಲಿಯೇ ಇಟ್ಟುಕೊಳ್ಳತಕ್ಕದ್ದು, ಪ್ರವೇಶ ಅನುಮೋದನೆಗಾಗಿ ಸಲ್ಲಿಸಿದ ಅಂಕಪಟ್ಟಿ ಹಾಗೂ ಇತರ ದಾಖಲೆಗಳನ್ನು, ಪ್ರವೇಶ ಅನುಮೋದನೆಯಾದ ನಂತರ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಶುಭವಾಗಿ ಅವರಿಗೆ ವಿತರಣೆಯನ್ನು ಮಾಡಿ ವಿಶ್ವವಿದ್ಯಾಲಯಕ್ಕೆ ತಿಳಿಸತಕ್ಕದ್ದು.
15. ವಿದ್ಯಾರ್ಥಿಗಳು, ವರ್ಗಾವಣೆ ಪತ್ರವನ್ನು ನೀಡುವ ಬಗ್ಗೆ ಮನವಿ ಸಲ್ಲಿಸಿದಲ್ಲಿ, ಕಾಲೇಜು ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಯಾವುದೇ ಕೊಂಡಿ ನೀಡದೆ, ವರ್ಗಾವಣೆ ಪತ್ರವನ್ನು ನೀಡತಕ್ಕದ್ದು. ಈ ಬಗ್ಗೆ ಆ ವರ್ಷದ/ಸಮೀಕ್ಷಣೆ ಪೂರ್ಣವಾಗದ ಅವಧಿಯ ಭೋಧನಾ ಕುಲ್ಪವನ್ನು ಹೊರತುಪಡಿಸಿ, ಯಾವುದೇ ಹೆಚ್ಚುವರಿ ಕುಲ್ಪವನ್ನು ವಸೂಲಿ ಮಾಡಲು ನಿರೂಪಿಸುವ ಪ್ರಕಾರ ಅನುಮತಿ ಇರುವುದಿಲ್ಲ.
16. ಯಾವುದೇ ರೀತಿಯಾದ ಕ್ಯಾಪಿಟೇಷನ್ ಕುಲ್ಪವನ್ನು ಕಾಲೇಜು ವಸೂಲಿ ಮಾಡತಕ್ಕದ್ದು.
17. ಅತೀಕ ವ್ಯವಹಾರದಲ್ಲಿ ಕೆನ್ನಡವನ್ನು ಕಡ್ಡಾಯವಾಗಿ ಬಳಸತಕ್ಕದ್ದು.
18. ನ್ಯಾಯಾಪ್ತತೆಯ ಅವಧಿ ಮುಗಿದ ಮೇಲೆ, ಪುಸ್ತಕ ಈ ನ್ಯಾಯಾಪ್ತತೆಯ ನದೀಕರಣದ ಪರಿಶೀಲನೆಗೆ ಬೆಂಗಳೂರು ವಿಶ್ವವಿದ್ಯಾಲಯಕ್ಕೆ ತಪ್ಪದೇ ಅರ್ಜಿ ಸಲ್ಲಿಸತಕ್ಕದ್ದು.
19. ನ್ಯಾಯ ಸಮಿತಿಯು ವಿಧಿಸಿದ ಪ್ರತಿಯೊಂದು ಪತ್ರವನ್ನು ತಪ್ಪುನಿಟ್ಟಾಗಿ ಪಾಲಿಸಬೇಕು ಹಾಗೂ ಇವುಗಳನ್ನು ಪಾಲಿಸದ ಬಗ್ಗೆ ವರದಿಯನ್ನು ವಿಶ್ವವಿದ್ಯಾಲಯಕ್ಕೆ 15 ದಿನಗಳ ಒಳಗಾಗಿ ಕಳುಹಿಸತಕ್ಕದ್ದು.
20. ಈ ಅಧಿಸೂಚನೆಯೊಂದಿಗೆ ಲಗತ್ತಿಸಿದ ಕುಲ್ಪಗಳಿಗೆ ಪತ್ರದ ಮಾದರಿಯನ್ನು ರೂ.20/-ಗಳ ಚಾಚಾಕಾಗದಲ್ಲಿ ಬೆರಳನ್ನು ಮಾಡಿ, ಕಾಲೇಜಿನ ಅಧ್ಯಕ್ಷರು/ಪ್ರಾಂಶುಪಾಲರಿಂದ ಸಹಿ ಮಾಡಿಸಿ, ವಿಶ್ವವಿದ್ಯಾಲಯಕ್ಕೆ 15 ದಿನಗಳ ಒಳಗಾಗಿ ಸಲ್ಲಿಸತಕ್ಕದ್ದು.

ಆಜ್ಞೆ ಮೀರಿಸಿ  
  
 ಕುಲಸಚಿವರು 13/01/18

- ಗೆ.
1. ಅಧ್ಯಕ್ಷರು/ಕಾರ್ಯದರ್ಶಿ,  
 ಬೆಂಗಳೂರು ಟೆಕ್ನಿಕಲ್ ಎಜುಕೇಷನಲ್ ಸೊಸೈಟಿ,  
 ಮ್ಯೂಸಿಯಂ ರಸ್ತೆ, ಬೆಂಗಳೂರು-560 025.
  2. ಪ್ರಾಂಶುಪಾಲರು,  
 ಸೈಂಟ್ ಜೋಸೆಫ್ಸ್ ಕಾಲೇಜು,  
 ಪಿ.ಬಿ. ನಂ.27094, ಲಾಲ್ ಬಾಗ್ ರಸ್ತೆ,  
 ಬೆಂಗಳೂರು-560 027.

ಪ್ರತಿಗಳು:  
 ಸಂಖ್ಯೆ: ಎ.ಎ-3-ಎ3/ನ್ಯಾಯಾಪ್ತತೆ:ಎಸ್.ಜೆ.ಎ.2018-17

1. ಕ್ರೀಡಾ ಸಂಘಟಕಗಳು, ಕನ್ನಡ ಚಿತ್ರೋದ್ಯಮ (ವಿಶ್ವ ವಿದ್ಯಾಲಯ), ಈಶ ಅರಸೀಕೆರೆ ನಿರೀಕ್ಷೆ, ಬೆಂಗಳೂರು-1
2. ಅಭಿವೃದ್ಧಿ/ಸಂಘಟಕಗಳು, ವಿಶ್ವವಿದ್ಯಾಲಯ ಧನ ಸಮಾಜ ಅರೀಕೆರೆ, ಬಹುಮಾನದ ಹಾಗೂ ಫಿಲಿಂಸ್ ಮಾರ್ಗ, ನವದೆಹಲಿ-110 002
3. ಪ್ರಾದೇಶಿಕ ನಿರೀಕ್ಷೆಗಳು, ವಿಶ್ವವಿದ್ಯಾಲಯ ಧನ ಸಮಾಜ ಅರೀಕೆರೆ, ಪಿ.ಸಿ. ಬ್ಲಾಕ್, ಅರಸೀಕೆರೆ ರಸ್ತೆ, ಬೆಂಗಳೂರು-560 009.
4. ಸಂಘಟಕಗಳು, ಎ.ಸಿ.ಸಿ.ಸಿ., ಇಂದಿಯಾಸಂಘ ಸ್ಪೋರ್ಟ್ಸ್ ಕಾಂಪ್ಲೆಕ್ಸ್, ವ.ಪಿ.ಎಸ್.ಸಿ.ಸಿ., ನವದೆಹಲಿ-110002
5. ನಿರೀಕ್ಷೆಗಳು, ಚಿತ್ರೋದ್ಯಮ, ಬೆಂಗಳೂರು-1.
6. ಕುಲಸಚಿವರು (ವಿಶ್ವವಿದ್ಯಾಲಯ), ಬೆಂ. ವಿ., ಬೆಂಗಳೂರು-1.
7. ನಿರೀಕ್ಷೆಗಳು, ಕಾರ್ಯದ ಅಭಿವೃದ್ಧಿ ಪ್ರಾಧಿಕಾರ, ಬೆಂಗಳೂರು ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಂಗಳೂರು-01.
8. ನಿರೀಕ್ಷೆಗಳು, ಪಿ.ಎಂ.ಸಿ.ಸಿ., ಬೆಂಗಳೂರು ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಂಗಳೂರು-56
9. ಕನ್ನಡ ಕುಲಸಚಿವರು : ಅಧಿಕಾರವಹಾರಿ ಶೈಕ್ಷಣಿಕ ವಿಭಾಗ-1/2/4. ಬೆಂ. ವಿ. ಬೆಂಗಳೂರು-56.

ಅಧಿಸೂಚನೆ

ವಿಷಯ: 2010-11ನೇ ಸಾಲಿನಿಂದ ಬೆಂಗಳೂರಿನ ಸೈಂಟ್ ಜೋಸೆಫ್ಸ್ ಕಾಲೇಜಿಗೆ ಸ್ನಾಯುತ್ಪತಿಯನ್ನು ನವೀಕರಿಸುವ ಬಗ್ಗೆ.

- ಉಲ್ಲೇಖ : 1. ಸರ್ಕಾರದ ಪತ್ರದ ಸಂಖ್ಯೆ:ಇಡಿ:75:ಯು.ಬಿ.ವಿ.:2014 ದಿನಾಂಕ:28-04-2014.  
2. ಸರ್ಕಾರದ ಪತ್ರದ ಸಂಖ್ಯೆ:ಇಡಿ:309:ಯು.ಬಿ.ವಿ.:2013 ದಿನಾಂಕ:11-02-2014.  
3. ವಿಶ್ವವಿದ್ಯಾಲಯ ಧನ ಸಹಾಯ ಅಯೋಗ, ನವದೆಹಲಿ ಇವರ ಪತ್ರ ದಿನಾಂಕ: 08-02-2011.

ಸರ್ಕಾರದ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯಗಳ ಅಧಿನಿಯಮ 2000ರ 64ನೇ ಪ್ರಕರಣದ (3)ನೇ ಉಪಪ್ರಕರಣದ ಅಡಿಯಲ್ಲಿ ಮತ್ತು ಬೆಂಗಳೂರು ವಿಶ್ವವಿದ್ಯಾಲಯದ ಸ್ನಾಯುತ್ಪತಿಯ ಕಾಲೇಜು/ಸಂಸ್ಥೆ ಪರಿನಿಯಮಾವಳಿ-2005 ಪ್ರಕರಣ 4.8ರಡಿಯಲ್ಲಿ ಬೆಂಗಳೂರು ವಿಶ್ವವಿದ್ಯಾಲಯವು ಬೆಂಗಳೂರಿನ ಸೈಂಟ್ ಜೋಸೆಫ್ಸ್ ಕಾಲೇಜು ನಡವುತ್ತಿರುವ ಈ ಕೆಳಗೆ ನಮೂದಿಸಿರುವ ಕೋರ್ಸುಗಳಿಗೆ ಕೆಳಕಂಡ ಪರಶ್ಚಿಗೊಳಪಟ್ಟು, ಶೈಕ್ಷಣಿಕ ಸ್ನಾಯುತ್ಪತಿಯನ್ನು ಯು.ಜಿ.ಸಿ.ಯು ನಿಗದಿಪಡಿಸಿರುವಂತೆ 2010-11ನೇ ಶೈಕ್ಷಣಿಕ ಸಾಲಿನಿಂದ 2015-16ನೇ ಶೈಕ್ಷಣಿಕ ಸಾಲಿನವರೆಗೆ ನವೀಕರಿಸಿ ಮಂಜೂರು ಮಾಡಲಾಗಿದೆ.

ಕೋರ್ಸು	ವಿಷಯ ಸಮೂಹ	ವಿದ್ಯಾರ್ಥಿ ಪ್ರಮಾಣ
ಬಿ.ಎ.	ಇತಿಹಾಸ, ಅರ್ಥಶಾಸ್ತ್ರ, ರಾಜ್ಯಶಾಸ್ತ್ರ	100 (ಮೂರು)
	ಅರ್ಥಶಾಸ್ತ್ರ, ಸಮಾಜಶಾಸ್ತ್ರ, ರಾಜ್ಯಶಾಸ್ತ್ರ	100 (ಮೂರು)
	ಅರ್ಥಶಾಸ್ತ್ರ, ಸಮಾಜಶಾಸ್ತ್ರ, ಕೈಗಾರಿಕಾ ಸಂಬಂಧಗಳು	100 (ಮೂರು)
ಬಿ.ಎಸ್ಸಿ.	ಛೇತನಶಾಸ್ತ್ರ, ರಸಾಯನಶಾಸ್ತ್ರ, ಗಣಿತ	72 (ಎಬ್ಬತ್ತೆರಡು)
	ಛೇತನಶಾಸ್ತ್ರ, ಗಣಿತ, ವಿದ್ಯುನ್ಮಾನ	70 (ಎಪ್ಪತ್ತು)
	ಛೇತನಶಾಸ್ತ್ರ, ಗಣಿತ, ಗಣಕವಿಜ್ಞಾನ	70 (ಎಪ್ಪತ್ತು)
	ಗಣಿತ, ವಿದ್ಯುನ್ಮಾನ, ಗಣಕವಿಜ್ಞಾನ	50 (ಐವತ್ತು)
	ರಸಾಯನಶಾಸ್ತ್ರ, ಸಸ್ಯಶಾಸ್ತ್ರ, ಪರಿಸರವಿಜ್ಞಾನ/ಪ್ರಾಣಿಶಾಸ್ತ್ರ	72 (ಎಪ್ಪತ್ತೆರಡು)
	ರಸಾಯನಶಾಸ್ತ್ರ, ಸಸ್ಯಶಾಸ್ತ್ರ, ಪ್ರಾಣಿಶಾಸ್ತ್ರ	72 (ಎಪ್ಪತ್ತೆರಡು)
	ರಸಾಯನಶಾಸ್ತ್ರ, ಸೂಕ್ಷ್ಮಜೀವಶಾಸ್ತ್ರ, ಸಸ್ಯಶಾಸ್ತ್ರ/ಪ್ರಾಣಿಶಾಸ್ತ್ರ	72 (ಎಪ್ಪತ್ತೆರಡು)
	ರಸಾಯನಶಾಸ್ತ್ರ, ಸಸ್ಯಶಾಸ್ತ್ರ, ಜೀವತಂತ್ರಜ್ಞಾನ	60 (ಅರವತ್ತು)
	ಅರ್ಥಶಾಸ್ತ್ರ, ಸಸ್ಯಶಾಸ್ತ್ರ, ಸಂಪನ್ಮೂಲಶಾಸ್ತ್ರ*	72 (ಎಪ್ಪತ್ತೆರಡು)
	ಬಿ.ಸಿ.ಎ	ವಿಶ್ವವಿದ್ಯಾಲಯದ ಪರಿನಿಯಮಾವಳಿಯಂತೆ
ಬಿ.ಎಸ್.ಬಿ.ಬಿ.ಎಸ್*	ಬ್ಯಾಚುಲರ್ ಆಫ್ ಸೋಷಿಯಲ್ ವರ್ಕ್	40 (ನಲವತ್ತು)
ಬಿ.ಬಿ.ಎಸ್*	ಬ್ಯಾಚುಲರ್ ಆಫ್ ವಿಶ್ವಯಲ್ ಕಮ್ಯುನಿಕೇಷನ್	50 (ಐವತ್ತು)
ಎಂ.ಎಸ್ಸಿ.	ಸಸ್ಯಶಾಸ್ತ್ರ	20 (ಇಪ್ಪತ್ತು)
	ಸೂಕ್ಷ್ಮಜೀವಶಾಸ್ತ್ರ	30 (ಮೂವತ್ತು)
	ರಸಾಯನಶಾಸ್ತ್ರ	25 (ಇಪ್ಪತ್ತೈದು)
	ಗಣಕವಿಜ್ಞಾನ*	35 (ಮೂವತ್ತೈದು)
	ಛೇತನಶಾಸ್ತ್ರ*	30 (ಮೂವತ್ತು)
ಎಂ.ಐ.	ಇಂಗ್ಲೀಷ್	30 (ಮೂವತ್ತು)
	ರಾಜ್ಯಶಾಸ್ತ್ರ	30 (ಮೂವತ್ತು)
	ಅರ್ಥಶಾಸ್ತ್ರ*	30 (ಮೂವತ್ತು)
ಬಿ.ಬಿ.ಎಸ್.ಬಿ.ಬಿ.ಎಸ್*	ಮಾಸ್ಟರ್ ಆಫ್ ಸೋಷಿಯಲ್ ವರ್ಕ್	40 (ನಲವತ್ತು)
ಎಂ.ಎಸ್.	ಕಮ್ಯುನಿಕೇಷನ್*	30 (ಮೂವತ್ತು)



ಮುಂದುವರಿದು, ಸರ್ಕಾರದ ಪತ್ರ ದಿನಾಂಕ:30-07-2014ರಲ್ಲಿ ಶಿಕ್ಷಾರಸ್ತು ಮಾಡಿರುವಂತೆ 2014-15ನೇ ಸಾಲಿನಿಂದ ಸದರಿ ಕಾಲೇಜಿನಲ್ಲಿ ಕೆಳಕಂಡ ಕೋರ್ಸುಗಳ ವಿದ್ಯಾರ್ಥಿ ಪ್ರಮಾಣವನ್ನು ಪರಿನಿಯಮಾವಳಿಯ ಪ್ರಕರಣ 6.1(iv)a ರಡಿಯಲ್ಲಿ ಹೆಚ್ಚಿಸಿ ನಿಗದಿಪಡಿಸಲಾಗಿದೆ.

ಕೋರ್ಸು	ವಿದ್ಯಾರ್ಥಿ ಪ್ರಮಾಣ
ಎಂ.ಎಸ್ಸಿ. (ಸಸ್ಯಶಾಸ್ತ್ರ)	20 ರಿಂದ 30 (ಮೂವತ್ತು)

**ಷರತ್ತುಗಳು:**

1. ಕಾಲೇಜುಗಳಿಗೆ ಅನ್ವಯವಾಗುವ ಅನುದಾನ ಸಂಹಿತೆಯಲ್ಲಿ ಯಾವುದೇ ಉಪಬಂಧಗಳಿದ್ದರೂ ಮೇಲ್ಕಂಡ ಕಾಲೇಜಿಗೆ ಸರ್ಕಾರವು ಯಾವುದೇ ಅನುದಾನವನ್ನು ಮಂಜೂರುಮಾಡುವುದಿಲ್ಲ; ಆರು ಶಾಶ್ವತ ಅನುದಾನ ರೂಪ ಕಾಲೇಜಿಯ ಪರಿಗಣಿಸತಕ್ಕದ್ದು.
2. ಈ ಸ್ವಾಯತ್ತತೆಯ ಶೈಕ್ಷಣಿಕ ಸ್ವಾಯತ್ತತೆಯು ಮಾತ್ರ ಆಗಿರುತ್ತದೆ.
3. ಈ ಸ್ವಾಯತ್ತತೆಯು ಮಂಜೂರು ಮಾಡಲ್ಪಟ್ಟಿರುವ ಕೋರ್ಸುಗಳಿಗೆ ಮಾತ್ರ ಅನ್ವಯಿಸುತ್ತದೆ.
4. ಕಾಲೇಜು ರಾಜ್ಯ ಸರ್ಕಾರವು ಜಾರಿಗೊಳಿಸಿರುವ ಮೀಸಲಾತಿ ನಿಯಮಗಳನ್ನು ವಿದ್ಯಾರ್ಥಿಗಳ ಪ್ರವೇಶದಲ್ಲಿ ಮತ್ತು ಸಿಬ್ಬಂದಿಗಳ ನೇಮಕಾತಿಗಳಲ್ಲಿ ತಪ್ಪದೇ ಅನುಸರಿಸತಕ್ಕದ್ದು.
5. ಕಾಲೇಜು ಕಾಲ ಕಾಲಕ್ಕೆ ವಿಶ್ವವಿದ್ಯಾಲಯಕ್ಕೆ ಸಲ್ಲಿಸಬೇಕಾದ, ವಾರ್ಷಿಕ ಕುಲ್ಯ, ನೊಂದಣಿ ಕುಲ್ಯ, ಎಸ್.ಎಸ್.ಎಸ್. ಕುಲ್ಯ, ಅರ್ಜಿ ಕುಲ್ಯ ಮತ್ತು ಇತರೇ ಅನ್ವಯವಾಗುವ ಕುಲ್ಯಗಳನ್ನು ವಿಶ್ವವಿದ್ಯಾಲಯಕ್ಕೆ ತಪ್ಪದೇ ಸಂದಾಯ ಮಾಡತಕ್ಕದ್ದು.
6. ಜಾರಿಯಲ್ಲಿರುವ ಸರ್ಕಾರದ ನಿಯಮಾವಳಿ, ಆದೇಶಗಳು ಹಾಗೂ ವಿಶ್ವವಿದ್ಯಾಲಯದ ಅನುಶಾಸನ, ಸ್ವಾಯತ್ತತಾ ಪರಿನಿಯಮಾವಳಿ ಇತ್ಯಾದಿಗಳನ್ನು ಕಟ್ಟುನಿಟ್ಟಾಗಿ ಪಾಲಿಸಬೇಕು;
7. ಕಾಲೇಜು ಸ್ವಾಯತ್ತತಾ ಪರಿನಿಯಮಾವಳಿಯಲ್ಲಿ ಸೂಚಿಸಿರುವಂತೆ ಕಾಲ ಕಾಲಕ್ಕೆ ಅನ್ವಯವಾಗುವ ಪದವಿಗಳನ್ನು ಕಾಲೇಜು ತಪ್ಪದೇ ವಿಶ್ವವಿದ್ಯಾಲಯಕ್ಕೆ ಸಲ್ಲಿಸತಕ್ಕದ್ದು.
8. ಕೋರ್ಸುಗಳಿಗೆ ವಿಶ್ವವಿದ್ಯಾಲಯದ ಪೂರ್ವಾನುಮತಿಯಿಲ್ಲದೆ ಶಾಖೆಗಳನ್ನು ಹೆಚ್ಚಿಸಬಾರದು.
9. ವಿಶ್ವವಿದ್ಯಾಲಯವು, ಕಾಲೇಜಿನ ವಿದ್ಯಾರ್ಥಿಗಳು, ಭೋಧಕರು ಹಾಗೂ ಭೋಧಕೇತರ ಪೌಕರರ ಬಗ್ಗೆ ಕಾಲಕಾಲಕ್ಕೆ ಹೊರಡಿಸುವ ನಿಯಮಾವಳಿ/ಪರಿನಿಯಮಾವಳಿ ಮತ್ತು ಆದೇಶಗಳನ್ನು ಕಾಲೇಜು ಪಾಲಿಸತಕ್ಕದ್ದು. ಕಾಲೇಜು, ವಿಶ್ವವಿದ್ಯಾಲಯದ ಸಂಯೋಜನಾ ಅಧಿಸೂಚನೆಗನುಸಾರವಾಗಿ ಕೋರ್ಸುಗಳಿಗೆ ನಿಗದಿಪಡಿಸಿರುವ ವಿದ್ಯಾರ್ಥಿ ಪ್ರಮಾಣವನ್ನು ಮೀರದಂತೆ ಹಾಗೂ ವಿಶ್ವವಿದ್ಯಾಲಯವು ಕೋರ್ಸುಗಳಿಗೆ ನಿಗದಿಪಡಿಸಿರುವ ಅರ್ಜಿ ನಿಯಮಾವಳಿಗಳನ್ನು ಕುಲ್ಯಂಭಿಸದಂತೆ ಕೋರ್ಸುಗಳಿಗೆ ವಿದ್ಯಾರ್ಥಿಗಳ ಪ್ರವೇಶವನ್ನು ಮಾಡಿಕೊಳ್ಳತಕ್ಕದ್ದು. ಕೋರ್ಸುಗಳಿಗೆ ನಿಗದಿಪಡಿಸಿರುವ ವಿದ್ಯಾರ್ಥಿ ಪ್ರಮಾಣವನ್ನು ಮೀರಿ ವಿದ್ಯಾರ್ಥಿಗಳ ಪ್ರವೇಶವನ್ನು ಮಾಡಿಕೊಂಡಲ್ಲಿ ಸಂಯೋಜನೆಯನ್ನು ರದ್ದುಪಡಿಸಲಾಗುವುದು.
10. ಕಾಲೇಜು, ಕೋರ್ಸುಗಳ ಶಿಕ್ಷಣ ಕ್ರಮವನ್ನು, ವಿದ್ಯಾರ್ಥಿಗಳ ಶೈಕ್ಷಣಿಕವಾಗಿ ಅಭಿವೃದ್ಧಿಗೊಳಿಸುವ ಮಟ್ಟಕ್ಕೆ ಉತ್ತಮಪಡಿಸತಕ್ಕದ್ದು. ವಿದ್ಯಾರ್ಥಿಗಳನ್ನು ಸೇವೆಯಲ್ಲಿರುವ ಭೋಧಕರುಗಳನ್ನು ವ್ಯಾಪ್ತವಾಲುರು/ಆಡಳಿತ ಮಂಡಳಿಯವರು ಸಹಾನುಭೂತಿಯಿಂದ ನೋಡಿಕೊಳ್ಳತಕ್ಕದ್ದು.
11. ಕಾಲೇಜು/ಆಡಳಿತ ಮಂಡಳಿ ಶೇ.50ರಷ್ಟು ವಿಶ್ವವಿದ್ಯಾಲಯ ಕೋಟಾದನ್ನು (ಎಲ್ಲಿ ಅನ್ವಯವಾಗುತ್ತದೆಯೋ ಅಲ್ಲಿ) ವಿಶ್ವವಿದ್ಯಾಲಯದ ನಿಯಮಾವಳಿಯ ಪ್ರಕಾರ ನಿಗದಿಪಡಿಸತಕ್ಕದ್ದು; ಮತ್ತು ಕಾಲಕಾಲಕ್ಕೆ ವಿಶ್ವವಿದ್ಯಾಲಯವು ನಿಗದಿಪಡಿಸುವ ಕುಲ್ಯವನ್ನು ಮಾತ್ರ ವಸೂಲುಮಾಡತಕ್ಕದ್ದು. ವಿಶ್ವವಿದ್ಯಾಲಯವು ನಿಗದಿಪಡಿಸಿದ ಕುಲ್ಯ/ಮೊತ್ತಕ್ಕಿಂತ ಬೇರೆ ಹೆಚ್ಚಿನ ಮೊತ್ತವನ್ನು ವಸೂಲು ಮಾಡತಕ್ಕದ್ದಿಲ್ಲ.
12. ವೈಶಾಕ V/S ರಾಜ್ಯಸ್ಥಾನದ ರಾಜ್ಯ ಸರ್ಕಾರದ ಮೊಕದ್ದಮೆಗೆ ಸಂಬಂಧಿಸಿದಂತೆ, ದಿನಾಂಕ:13-8-1997ರ ಸರ್ವೋಚ್ಚ ನ್ಯಾಯಾಲಯದ ತೀರ್ಮಾನಂತೆ, ಕಾಲೇಜು ಅಥವಾ ಕಛೇರಿ, ಕೆಲಸ ನಿರ್ವಹಿಸುವ ಸ್ಥಳಗಳಲ್ಲಿ, ಯಾವುದೇ ವ್ಯಕ್ತಿ/ವಿದ್ಯಾರ್ಥಿ, ಗಲಭೆಯನ್ನು ಉಂಟುಮಾಡುವುದಾಗಲೀ ಅಥವಾ ಯಾವುದೇ ವ್ಯಕ್ತಿಯಿಂದ(ಭೋಧಕ/ ಭೋಧಕೇತರ/ ಆಡಳಿತಮಂಡಳಿ) ಅಥವಾ ವಿದ್ಯಾರ್ಥಿಯಿಂದ ಮಹಿಳೆಯರಿಗೆ/ವಿದ್ಯಾರ್ಥಿನಿಯರಿಗೆ ಯಾವುದೇ ರೀತಿಯ ಕಿರುಕಳ, ಲೈಂಗಿಕ ಕಿರುಕಳ ನೀಡುವುದು ಶಿಷ್ಟಾರ್ಥ ಅಪರಾಧವಾಗಿದೆ. ಯಾವುದೇ ವ್ಯಕ್ತಿ/ವಿದ್ಯಾರ್ಥಿ ಈ ರೀತಿಯಾದ ಚಟುವಟಿಕೆಗಳಲ್ಲಿ ಭಾಗಿಯಾಗಿದ್ದಲ್ಲಿ ಅಂತಹವರನ್ನು ಕೆಲಸದಿಂದ/ ವಿದ್ಯಾರ್ಥಿತ್ವದಿಂದ ವಿಮುಕ್ತಗೊಳಿಸಬಹುದಾಗಿದೆ. ಕಾಲೇಜು ಈ ರೀತಿಯ ಅಪರಾಧಗಳನ್ನು/ಚಟುವಟಿಕೆಗಳನ್ನು ಮಟ್ಟಹಾಕಲು ಸರ್ವೋಚ್ಚ ನ್ಯಾಯಾಲಯದ ಆದೇಶದಂತೆ ದೂರು ಸಮಿತಿಯನ್ನು ಸ್ಥಾಪನೆ ಮಾಡತಕ್ಕದ್ದು, ಇಂತಹ ಚಟುವಟಿಕೆಗಳನ್ನು ನಿರಂತರವು ಕ್ರಮ ದುರೂಪಿಸತಕ್ಕದ್ದು.

13. ಕಾಲೇಜು ವಿಸಾಖರಣ ವಿದ್ಯಾರ್ಥಿಗಳ ಅಂಕಪಟ್ಟಿ ಹಾಗೂ ಇತರೇ ದಾಖಲೆಗಳನ್ನು ಆರು ತಿಂಗಳ ಅವಧಿ ಮೀರದಂತೆ ತಮ್ಮಲ್ಲಿಯೇ ಇಟ್ಟುಕೊಳ್ಳತಕ್ಕದ್ದಲ್ಲ, ಪ್ರವೇಶ ಅನುಮೋದನೆಗಾಗಿ ಸಲ್ಲಿಸಿರುವ ಅಂಕಪಟ್ಟಿ ಹಾಗೂ ಇತರೇ ದಾಖಲೆಗಳನ್ನು, ಪ್ರವೇಶ ಅನುಮೋದನೆಯಾದ ನಂತರ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ತ್ವರಿತವಾಗಿ ಆವರಿಗೆ ವಿತರಣೆಯನ್ನು ಮಾಡಿ ವಿಶ್ವವಿದ್ಯಾಲಯಕ್ಕೆ ತಿಳಿಸತಕ್ಕದ್ದು.
14. ವಿದ್ಯಾರ್ಥಿಗಳು, ವರ್ಗಾವಣೆ ಪತ್ರವನ್ನು ನೀಡುವ ಬಗ್ಗೆ ಮನವಿ ಸಲ್ಲಿಸಿದಲ್ಲಿ, ಕಾಲೇಜು ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಯಾವುದೇ ತೊಂದರೆ ನೀಡದೆ, ವರ್ಗಾವಣೆ ಪತ್ರವನ್ನು ನೀಡತಕ್ಕದ್ದು. ಈ ಬಗ್ಗೆ ಆ ವರ್ಷದ/ಸೆಮಿಸ್ಟರ್‌ನ ಪ್ರಾರಂಭದ ಅವಧಿಯ ಭೋದನಾ ಶುಲ್ಕವನ್ನು ಹೊರತುಪಡಿಸಿ, ಯಾವುದೇ ಹೆಚ್ಚುವರಿ ಶುಲ್ಕವನ್ನು ವಸೂಲಿ ಮಾಡಲು ನಿಯಮಾವಳಿ ಪ್ರಕಾರ ಅನುಮತಿ ಇರುವುದಿಲ್ಲ.
15. ಯಾವುದೇ ರೀತಿಯಾದ ಕ್ಯಾಟಿಗೋರಿಕ್ ಶುಲ್ಕವನ್ನು ಕಾಲೇಜು ವಸೂಲಿ ಮಾಡತಕ್ಕದ್ದಲ್ಲ.
16. ಆಡಳಿತ ವ್ಯವಹಾರದಲ್ಲಿ ಕನ್ನಡವನ್ನು ಕಡ್ಡಾಯವಾಗಿ ಬಳಸತಕ್ಕದ್ದು.
17. ಸ್ವಾಯತ್ತತೆಯ ಆವಧಿ ಮುಗಿದ ಮೇಲೆ, ಮತ್ತೆ ಈ ಸ್ವಾಯತ್ತತೆಯ ಸಮೀಕ್ಷಣದ ಪರಿಶೀಲನೆಗೆ ಬೆಂಗಳೂರು ವಿಶ್ವವಿದ್ಯಾಲಯಕ್ಕೆ ಸಪ್ತವೇ ಆರ್ಜಿ ಸಲ್ಲಿಸತಕ್ಕದ್ದು.
18. ಸ್ವಾಯ ಸಮಿತಿಯು ವಿಧಿಸಿರುವ ಪ್ರತಿಯೊಂದು ಪಠ್ಯಕ್ರಮ ಕಟ್ಟುನಿಟ್ಟಾಗಿ ಪಾಲಿಸಬೇಕು ಹಾಗೂ ಇವುಗಳನ್ನು ಪಾಲಿಸದ ಬಗ್ಗೆ ವರದಿಯನ್ನು ವಿಶ್ವವಿದ್ಯಾಲಯಕ್ಕೆ 15 ದಿನಗಳ ಒಳಗಾಗಿ ಕಳುಹಿಸತಕ್ಕದ್ದು.
19. ಸ್ವಾಯ ಸಮಿತಿಯು ವಿಧಿಸಿರುವ ಪ್ರತಿಯೊಂದು ಪಠ್ಯಕ್ರಮ ಕಟ್ಟುನಿಟ್ಟಾಗಿ ಪಾಲಿಸಬೇಕು ಹಾಗೂ ಇವುಗಳನ್ನು ಪಾಲಿಸದ ಬಗ್ಗೆ ವರದಿಯನ್ನು ವಿಸ್ತೃಗೋಚರಕ್ಕೆ 15 ದಿನಗಳ ಒಳಗಾಗಿ ಕಳುಹಿಸತಕ್ಕದ್ದು.
20. ಈ ಅಧಿಸೂಚನೆಯೊಂದಿಗೆ ಲಗತ್ತಿಸಿರುವ ಮುಚ್ಚಳಿಕೆ ಪತ್ರದ ಮಾದರಿಯನ್ನು ರೂ.20/-ಗಳ ಚಾಪಾಣಾಗದದಲ್ಲಿ ದೆರೆಳಚ್ಚಿ, ಮಾಡಿ, ಕಾಲೇಜಿನ ಅಧ್ಯಕ್ಷರು/ಪ್ರಾಂಶುಪಾಲರಿಂದ ಸಹಿ ಮಾಡಿಸಿ, ವಿಶ್ವವಿದ್ಯಾಲಯಕ್ಕೆ 15 ದಿನಗಳ ಒಳಗಾಗಿ ಸಲ್ಲಿಸತಕ್ಕದ್ದು.

ಆಜ್ಞೆ ಮೇರೆಗೆ

  
ಕುಲಸಚಿವರು



ಗೆ.

1. ಅಧ್ಯಕ್ಷರು/ಕಾರ್ಯದರ್ಶಿ,  
ಬೆಂಗಳೂರು ಜೇಸುಯಿಟ್ ಎಜುಕೇಷನಲ್  
ಸೊಸೈಟಿ, ಮ್ಯೂಸಿಯಂ ರಸ್ತೆ,  
ಬೆಂಗಳೂರು-560 025.

2. ಪ್ರಾಂಶುಪಾಲರು,  
ಸೈಂಟ್ ಜೋಸೆಫ್ಸ್ ಕಾಲೇಜು,  
ಪಿ.ಬಿ. ನಂ.27094, ಲಾಲ್ ಬಾಗ್ ರಸ್ತೆ,  
ಬೆಂಗಳೂರು-560 027.

ಪ್ರತಿಗಳು:

1. ಪ್ರಧಾನ ಕಾರ್ಯದರ್ಶಿಯವರು, ಕುಸ್ತುಕ ಶಿಕ್ಷಣ ಇಲಾಖೆ (ವಿಶ್ವ ವಿದ್ಯಾಲಯ) . 2011 ಅಂಬೇಡ್ಕರ್ ವೀಧಿ, ಬೆಂಗಳೂರು-1
2. ಅಧ್ಯಕ್ಷರು/ಕಾರ್ಯದರ್ಶಿಯವರು, ವಿಶ್ವವಿದ್ಯಾಲಯ ಧನ ಸಹಾಯ ಆಯೋಗ, ಬಹದ್ದೂರು ಹಾ ಫೌಝಲ್ ಮಾರ್ಗ, ಸವರಹಲಿ-110 002
3. ಪ್ರಾದೇಶಿಕ ನಿರ್ದೇಶಕರು, ವಿಶ್ವವಿದ್ಯಾಲಯ ಧನ ಸಹಾಯ ಆಯೋಗ, ಪಿ.ಕೆ. ಬ್ಲಾಕ್, ಅರಸೀಕೆ ರಸ್ತೆ, ಬೆಂಗಳೂರು-560 009.
4. ಕಾರ್ಯದರ್ಶಿಯವರು, ಎ.ಎ.ಸಿ.ಟಿ.ಇ., ಇಂದಿರಾಗಾಂಧಿ ಸ್ಮಾರಕ ರಸ್ತೆ, ಕಂಪ್ಲೆಕ್ಸ್, ಎ.ಪಿ.ಎಸ್.ಎಲ್, ಸವರಹಲಿ-110002
5. ನಿರ್ದೇಶಕರು, ಶಿಕ್ಷಣ ಆಯುಕ್ತರು, ಬೆಂಗಳೂರು-1.
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