The Annual Quality Assurance Report (AQAR) of the IQAC

For the academic year June 2017 to March 2018

Part – A

1. Details of the Institution

1.1 Name of the Institution

> St. Joseph's College (Autonomous)

1.2 Address Line 1

> P.B.27094, 36,

Address Line 2

> Langford Road/Lalbagh Road

City/Town

> Bangalore

State

> Karnataka

Pin Code

> 560027

Institution e-mail address

> principal@sjc.ac.in

Contact Nos.

> 080-22211429/ 080-22272299

Name of the Head of the Institution:

> Rev. Dr. Victor Lobo, S.J

Tel. No. with STD Code:

> 080-22272299

Mobile:

> 09449680787

Name of the IQAC Director:

> Dr. Syed Wajeed

Mobile:

09845578557

IQAC e-mail address:

sjciqac14@gmail.com

1.3 **NAAC Track ID** *(For ex. MHCOGN 18879)*

KACOGN10025

1.4 **NAAC Executive Committee No. & Date:**
(For Example EC/32/A&A/143 dated 3-5-2004.
This EC no. is available in the right corner- bott
of your institution's Accreditation Certificate)

Dated 30/10/2017 (College has
undergone 4th cycle of accreditation and
received 3.79 with A++ grade.

1.5 Website address:

www.sjc.ac.in

Web-link of the AQAR:

http://sjc.ac.in/iqac_report.html

For ex. http://www.ladykeanecollege.edu.in/AQAR2012-13.doc

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1st Cycle	4 star	70-75%	1999	1999-05
2	2nd Cycle	A	85.3%	2005	2005-10
3	3rd Cycle	A	3.73/4	2012	2012-17
4	4th Cycle	A++	3.79	2017	2017-24

1.7 Date of Establishment of IQAC :   DD/MM/YYYY

10th June 2010

1.8 AQAR for the year *(for example 2010-11)*

2017-18

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC ((*for example AQAR 2010-11submitted to NAAC on 12-10-2011*)

    i. AQAR 2011-12 Submitted 6 September 2014
    ii. AQAR 2012-13 Submitted 6 September 2014
    iii. AQAR 2013-14 Submitted 6 September 2014
    iv. AQAR 2014-15 Submitted 3rd November 2015
    v. AQAR 2014-15 Submitted 3rd November 2015
    vi. AQAR 2015-16 Submitted 1st November 2016
    vii. AQAR 2016-17 Submitted 30th November 2017

1.10 Institutional Status

University   State ☐   Central ☐   Deemed ☐   Private ✓

Affiliated College   Yes ✓   No ☐

Constituent College   Yes ✓   No ☐

Autonomous college of UGC   Yes ✓   No ☐

Regulatory Agency approved Institution   Yes ☐   No ☐

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution   Co-education ✓   Men ☐   Women ☐

     Urban ✓   Rural ☐   Tribal ☐

Financial Status   Grant-in-aid ✓   UGC 2(f) ✓   UGC 12B ✓

     Grant-in-aid + Self Financing ✓   Totally Self-financing ☐

1.11 Type of Faculty/Programme

     Arts ✓   Science ✓ Commerce ✓ Law ☐   PEI (Phys Edu) ☐

     TEI (Edu) ☐ Engineering ☐   Health Science ☐   Management ☐

     Others   (Specify)   .

1.12 Name of the Affiliating University (*for the Colleges*)   Bangalore University

1.13 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University   √-State

University with Potential for Excellence | College of Excellence | UGC-CPE   [ ]

DST Star Scheme | √ | UGC-CE | √ |

UGC-Special Assistance Programme   [ ]   DST-FIST | √ |

UGC-Innovative PG programmes   [ ]   Any other (*Specify*)   [ ]

UGC-COP Programmes   [ ]

2. IQAC Composition and Activities

2.1 No. of Teachers   23+40

2.2 No. of Administrative/Technical staff   1

2.3 No. of students   40

2.4 No. of Management representatives   2

2.5 No. of Alumni   1

2.6 No. of any other stakeholder and

   community representatives   1

2.7 No. of Employers/ Industrialists   1

2.8 No. of other External Experts   1

2.9 Total No. of members   110

2.10 No. of IQAC meetings held

2.11 No. of meetings with various stakeholders: No.   18   Faculty   4

Non-Teaching Staff Students | 2 | Alumni | 2 | Others | 1 |

2.12 Has IQAC received any funding from UGC during the year?   Yes | | No | ✓ |

If yes, mention the amount | NIL |

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos. | 5 | International | 0 | National | 0 | State | 0 | Institution Level | 5 |

(ii) Themes

> Higher Education, Research sensitization, NAAC reforms, Research Based Pedagogy, Branding and orientation of new staff members, Staff Immersion to Josephite family.

2.14 Significant Activities and contributions made by IQAC

> 1. Faculty evaluation and academic audit report
>
> 2. NAAC peer team visit for fourth cycle accreditation
>
> 3. Internal and External Academic Audit of departments
>
> 4. SWOC analysis of the departments
>
> 5. Faculty Development
>
> 6. Participation in NIRF, India Today and The Week Ranking

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year *

Plan of Action	Achievements
1.4th Cycle NAAC	**Received CGPA of 3.79/4 with A++ grade**
2. To take part in NIRF	60th Rank

3. Internal and External Academic Audits	Successfully completed and SWOC was prepared department wise.
4. DATA formats for data documenting	Committee was formed and formats were prepared
5. Faculty development	Seminars were conducted for newly joined faculty to conscientise about NAAC reforms, Quality sustenance and up gradation
6. Faculty evaluation	Both the semesters faculty evaluation was done by students and feedback was communicated to the faculty

* Attach the Academic Calendar of the year as Annexure.

Refer SJC Handbook 2017-18

http://sjc.ac.in/pdf/proof%209.pdf

2.15 Whether the AQAR was placed in statutory body   Yes ☑ No ☐

Management ☑   Syndicate ☐   Any other body ☐

Provide the details of the action taken

Internal Quality Assurance Cell (IQAC)

Vision: Striving to address the need for quality and commitment to excellence at St. Joseph's College (Autonomous)

Mission:

- In keeping with its Jesuit heritage and identity, IQAC models and expects excellence in academic and professional pursuits.

- IQAC cultivates the capacity and dispositions for reflective and critical thought, creativity, and innovation in its main stakeholders, that is staff and students of St. Joseph's College (Autonomous)

- IQAC also aims to identify and cultivate extra-curricular talent and potential of both staff and students, which will go towards strengthening the vision of the college.

Core team IQAC 2017-18

	Members	Designation	Department
1	Rev.Fr. Dr. Victor Lobo, SJ	Principal	
2	Dr. Syed Wajeed	Director, IQAC	Associate Professor HOD, Microbiology
3	Dr. Subhashini Muthukrishnan	Coordinator, NAAC 4th Cycle	Associate Professor HOD, Economics
4	Dr. Chriyan Alexander	Member	Associate Professor HOD, English
5	Mr. Jerome Nirmal Raj	Member	Associate Professor HOD, Political Science
6	Dr. Micheal Rajamathi	Member	Associate Professor Department of Chemistry
7	Dr. Etienne Rassendren	Member	Associate Professor Department of English
8	Ms. Mini Mark Bonjour	Member	Assistant Professor Department of English
9	Mr. Vinayak Rama Varma	Member	Assistant Professor Department of English
10	Dr. Arul Mani	Member Coordinator: CRITERION I	Assistant Professor Department of English
11	Mr. Clement D'Souza	Coordinator: CRITERION II	Associate Professor HOD, Economics
12	Dr. Arun Thampan Varma	Coordinator: CRITERION III	Assistant Professor Department of Physics
13	Dr. Ronald Mascarenhas	Coordinator: CRITERION IV	Associate Professor Department of Chemistry
14	Dr. Berin Lukas	Coordinator: CRITERION V	Associate Professor HOD, Sociology
15	Dr. Syed Wajeed	Coordinator: CRITERION VI	Associate Professor HOD, Microbiology

16	Mr. Madappa	Coordinator: CRITERION VII	Assistant Professor HOD, Biotechnology
17	Rev. Dr. Melwyn D'Cunha	Vice Principal (PG)	Asso. Professor, Dept. of Botany
18	Rev. Dr. Richard Rego	Research Director	Asso. Professor, Dept. of Communication
19	Dr. Melwin Colaco	Vice Principal (UG Sciences)	Asso. Professor, Dept. of Chemistry
20	Dr. Lora Rita Goveas	Member	Asso. Professor, Dept. of Physics
21	Dr. Manojit	Member	Asst. Professor, Dept. of Economics
22	Ms. Bojamma	Member	Asst. Professor, Dept. of Computer Science
23	Ms. Amita Priyadarshini	Member	Asst. Professor, Dept. of Commerce

IQAC Activities (2017-2018)

- Internal and external Academic audit of the departments

- NAAC peer team visit

- Analysis of the NAAC report

- Data format committee was set up

- Data submission for NIRF, India today and The week ranking

- Faculty evaluation by students

Part – B

Criterion – I

1. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	02	-	-	-
PG	12	01	-	-
UG	24	05	-	-
PG Diploma	06	-	-	-
Advanced Diploma	-	-	-	-
Diploma	02	-	-	-
Certificate	37	-	-	-
Others	-	-	-	-
Total	77	06	-	-

Interdisciplinary				
Innovative				

1.2   (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options
      (ii) Pattern of programmes:

Pattern	Number of programmes
Semester	Open electives :37 for UG and 11 for PG All PG courses have Departmental electives
Trimester	-
Annual	-

1.3 Feedback from stakeholders*   Alumni [√] Parents [√] Employers [ ] Students [√]
   (On all aspects)

              Mode of feedback   :   Online [√] Manual [√] Co-operating schools (for PEI) [ ]

Please provide an analysis of the feedback in the Annexure

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

Yes, regular BOS every academic year with required changes

1.5 Any new Department/Centre introduced during the year. If yes, give details.

Diploma Courses

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
202	77	91	0	34

2.2 No. of permanent faculty with Ph.D.

77

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
-	-	-	-	-	-	-	-	-	-

2.4 No. of Guest and Visiting faculty and Temporary faculty

-	-	10

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	18	50	110
Presented papers	10	34	50
Resource Persons	9	4	10

2.6 Innovative processes adopted by the institution in Teaching and Learning:

1. Conducting bridge courses, remedial classes
2. Using ICT for class room teaching,
3. Practical work presentation and Viva-Voce
3. Using class room microphones
4. Using INFLIBNET for assignment writing
5. Using A.V presentations and screening documentary
6. Industrial and field visits
7. Invited talks and group discussions, debates, quizzes, seminar presentations and Paper presentations
8. TED talks

2.7 Total No. of actual teaching days
      during this academic year

      | 175 |

2.8 Examination/ Evaluation Reforms initiated by
      the Institution (for example: Open Book Examination, Bar Coding,
      Double Valuation, Photocopy, Online Multiple Choice Questions)

      | Annexure – 3 |
      | On examination reforms |

2.9 No. of faculty members involved in curriculum
      restructuring/revision/syllabus development
      as member of Board of Study/Faculty/Curriculum Development workshop

      | 202 | 202 | |

2.10 Average percentage of attendance of students

      | 90% |

2.11 Course/Programme wise
      distribution of pass percentage:

RESULT ANALYSIS - UG Section Wise - I Semester - October 2017

Title of the Programme	Total no. of students appeared	Distinction %	I %	II %	III %	Pass %
B.A. [HEP]	77	6	17	6	7	49.35
B.A. [EPS]	88	10	14	5	11	47.73
B.A. [IES]	97	6	22	12	7	50.52
B.Sc. [PCM]	70	17	16	2	2	68.57
B.Sc. [PEM]	50	8	10	2	0	46
BCA	63	21	9	0	0	76.19
BSW	42	4	13	8	1	66.67
B.Sc. [CBZ]	66	13	17	2	2	59.09
B.Sc. [CEB]	28	5	4	1	0	57.14
B.Sc. [CEZ]	23	0	1	0	0	17.39
B.Sc. [MCB]	25	9	6	0	1	64
B.Sc. [MCZ]	39	9	5	1	0	48.72

B.Sc. [PMC]	68	14	20	1	0	58.82
B.Sc. [MEC]	42	4	6	5	0	38.1
B.Sc. [CBBT]	51	12	11	1	0	50.98
B.Sc. [EMS]	58	14	20	3	4	81.03
B.A. [EJP]	56	9	27	8	2	82.14
B.Sc. [CZBT]	55	12	13	2	1	54.55
Digital Media & Animation	35	3	12	6	0	60
Visual Media & Filmmaking	45	8	24	2	0	75.56
B.Com	307	21	65	32	14	44.95
B.A. [CPE]	55	6	9	7	2	47.27
B.A. (Visual Communication)	41	7	14	3	2	63.41
B.Com-Industry Integrated	75	3	8	3	3	24

RESULT ANALYSIS - UG Section Wise - III Semester - October 2017

Title of the Programme	Total no. of students appeared	Distinction %	I %	II %	III %	Pass %
B.A. [HEP]	78	17	16	7	7	2
B.A. [EPS]	80	9	17	9	4	5
B.A. [IES]	82	7	21	12	10	6
B.Sc. [PCM]	61	13	13	2	0	0
B.Sc. [PEM]	49	4	10	2	0	0
BCA	61	17	14	0	0	0
BSW	28	5	9	3	0	1
B.Sc. [CBZ]	53	16	8	0	1	0
B.Sc. [CEB]	16	1	1	1	0	0
B.Sc. [CEZ]	18	1	7	1	0	0

B.Sc. [MCB]	19	0	4	2	0	0
B.Sc. [MCZ]	43	8	14	1	0	0
B.Sc. [PMC]	52	8	12	7	0	0
B.Sc. [MEC]	38	6	3	3	1	0
B.Sc. [CBBT]	21	5	2	0	1	0
B.Sc. [EMS]	45	4	17	3	4	1
B.A. [EJP]	47	22	10	2	0	0
B.Sc. [CZBT]	43	12	8	2	0	0
Digital Media & Animation	34	2	4	4	4	2
Visual Media & Filmmaking	39	1	5	8	2	0
B.Com	301	32	100	41	22	6
B.A. [CPE]	37	7	11	4	3	0
B.A. (Visual Communication)	42	2	19	6	1	0
B.Com-Industry Integrated	78	3	15	13	11	5

RESULT ANALYSIS - UG Section Wise - V Semester - October 2017

Title of the Programme	Total no. of students appeared	Distinction	I %	II %	III %	Pass Class %
B.A. [HEP]	72	13	7	11	9	0
B.A. [EPS]	67	8	7	8	12	4
B.A. [IES]	80	6	18	11	12	3
B.Sc. [PCM]	65	12	16	1	0	0
B.Sc. [PEM]	39	6	6	3	0	0
BCA	60	15	21	0	0	0
BSW	25	11	4	0	2	0
BVC	47	4	7	6	6	1

B.Sc. [CBZ]	55	17	4	0	0	0
B.Sc. [CEB]	14	0	3	1	0	0
B.Sc. [CEZ]	15	4	1	0	0	0
B.Sc. [MCB]	23	2	6	2	0	0
B.Sc. [MCZ]	41	10	5	0	0	0
B.Sc. [PMC]	62	8	8	4	0	0
B.Sc. [MEC]	27	7	8	1	0	0
B.Sc. [CBBT]	26	3	5	1	0	0
B.Sc. [EMS]	40	12	4	3	0	1
B.A. [EJP]	42	7	17	4	0	0
B.Sc. [CZBT]	31	8	2	0	0	0
Digital Media & Animation	12	2	3	1	2	1
Visual Media & Filmmaking	36	8	14	7	2	0
B.Com	313	71	94	28	25	11

RESULT ANALYSIS - PG Section Wise - I Semester - October 2017

Title of the Programme	Total no. of students appeared	First Class Distinction	First Class	High Second Class	Second Class	Pass Class
ENGLISH	27	6	17	1	1	0
ECONOMICS	26	8	4	3	1	0
MSW	40	33	5	0	0	0
BOTANY	30	7	11	2	4	0
POLITICAL SCIENCE	29	1	9	5	2	0
CHEMISTRY	21	1	8	1	2	0
Computer Science	33	12	5	1	0	0
MICROBIOLOGY	30	4	12	5	3	0

Course	Appeared	First Class Distinction	First Class	High Second Class	Second Class	Pass Class
PHYSICS	27	2	5	3	3	0
MATHEMATICS	29	10	7	1	0	0
BIG DATA ANALYTICS	26	15	4	0	0	0
Communication and Journalism	20	0	8	3	2	0

RESULT ANALYSIS - PG Section Wise - III Semester - October 2017

Course	Appeared	First Class Distinction	First Class	High Second Class	Second Class	Pass Class
ENGLISH	36	9	24	2	0	0
ECONOMICS	26	8	4	3	1	0
MSW	39	20	17	1	0	0
BOTANY	29	8	1	0	0	0
POLITICAL SCIENCE	24	5	14	3	1	0
CHEMISTRY	19	2	6	2	0	0
Computer Science	32	14	10	1	0	0
MICROBIOLOGY	26	10	11	0	1	0
PHYSICS	24	3	5	0	0	0
MATHEMATICS	29	9	5	3	0	0
BIG DATA ANALYTICS	28	17	6	0	0	0
Communication and Journalism	23	0	8	8	2	0

RESULT ANALYSIS - UG Section Wise - II Semester - April 2018

Title of the Programme	Total no. of students appeared	Distinction	I %	II %	III %	Pass %
B.A. [HEP]	78	15	12	7	2	48.72
B.A. [EPS]	88	11	13	10	6	48.86
B.A. [IES]	97	6	25	16	7	59.79
B.A. [EJP]	57	14	19	7	3	75.44
B.A. [CPE]	53	3	12	4	2	41.51
B.A. (Visual Communication)	43	6	12	6	0	55.81
B.Sc. [PCM]	70	17	16	5	0	70
B.Sc. [PEM]	45	14	6	3	0	60
B.Sc. [PMC]	67	14	17	4	0	68.66
B.Sc. [MEC]	40	5	5	4	0	40
B.Sc. [EMS]	56	16	15	5	1	82.14
B.Sc. [CBZ]	62	13	12	5	2	54.84
B.Sc. [CEB]	27	8	3	0	0	51.85
B.Sc. [CEZ]	21	1	5	4	0	57.14
B.Sc. [MCB]	23	6	6	3	0	69.57
B.Sc. [MCZ]	39	11	10	3	0	71.79
B.Sc. [CBBT]	49	10	15	4	0	61.22
B.Sc. [CZBT]	52	12	9	5	2	59.62
BCA	64	17	15	3	0	70.31
BSW	37	4	17	1	1	64.86
Digital Media & Animation	37	1	9	13	2	67.57
Visual Media & Filmmaking	43	5	13	1	0	44.19
B.Com	302	54	79	42	27	70.2

| B.Com-Industry Integrated | 73 | 7 | 14 | 9 | 9 | 60.27 |

RESULT ANALYSIS - UG Section Wise - IV Semester - April 2018

Title of the Programme	Total no. of students appeared	Distinction	I %	II %	III %	Pass %
B.A. [HEP]	75	16	20	15	3	81.33
B.A. [EPS]	78	9	26	15	1	70.51
B.A. [IES]	87	7	25	15	10	72.41
B.A. [EJP]	44	19	16	1	0	84.09
B.A. [CPE]	37	7	11	5	0	62.16
B.A. (Visual Communication)	43	2	7	8	3	46.51
B.Sc. [PCM]	62	15	19	3	0	75.81
B.Sc. [PEM]	50	12	12	7	2	72
B.Sc. [PMC]	52	12	14	5	1	65.38
B.Sc. [MEC]	37	6	5	5	0	56.76
B.Sc. [EMS]	45	7	10	4	1	62.22
B.Sc. [CBZ]	53	15	12	3	1	83.02
B.Sc. [CEB]	16	2	4	1	0	50
B.Sc. [CEZ]	17	3	8	1	0	76.47
B.Sc. [MCB]	19	2	8	1	0	63.16
B.Sc. [MCZ]	42	14	12	1	0	88.1
B.Sc. [CBBT]	22	6	3	3	0	68.18
B.Sc. [CZBT]	44	14	13	1	1	88.64
BCA	61	23	12	2	0	81.97
BSW	29	5	7	3	2	58.62
Digital Media & Animation	34	4	3	3	4	41.18
Visual Media & Filmmaking	39	5	14	8	1	71.79

B.Com	296	35	116	45	24	77.03
B.Com-Industry Integrated	77	7	25	18	9	81.82

RESULT ANALYSIS - UG Section Wise - VI Semester - April 2018

Title of the Programme	Total no. of students appeared	Distinction	I %	II %	III %	Pass %
B.A. [HEP]	68	10	19	9	5	67.65
B.A. [EPS]	66	8	13	14	7	72.73
B.A. [IES]	77	9	31	13	7	83.12
B.A. [EJP]	40	13	19	5	0	92.5
B.Sc. [PCM]	64	15	14	5	0	70.31
B.Sc. [PEM]	38	6	7	0	0	50
B.Sc. [PMC]	60	10	11	7	3	65
B.Sc. [MEC]	26	4	7	2	0	50
B.Sc. [EMS]	40	9	8	0	2	65
B.Sc. [CBZ]	55	16	7	5	0	81.82
B.Sc. [CEB]	13	3	1	1	0	46.15
B.Sc. [CEZ]	15	4	3	0	0	86.67
B.Sc. [MCB]	23	3	10	0	0	73.91
B.Sc. [MCZ]	40	7	8	3	0	82.5
B.Sc. [CBBT]	26	4	10	0	0	73.08
B.Sc. [CZBT]	31	5	9	2	0	74.19
BCA	60	16	18	0	0	78.33
BSW	23	8	8	2	1	95.65
BVC	47	8	17	9	5	85.11
Digital Media & Animation	12	6	2	0	0	75
Visual Media & Filmmaking	36	9	16	2	2	91.67
B.Com	311	59	108	35	27	81.35

RESULT ANALYSIS - PG Section Wise - II Semester - April 2018

Title of the Programme	Total no. of students appeared	Distinction	I %	II %	III %	Pass %
ECONOMICS	26	2	10	1	3	69.23
ENGLISH	27	10	15	1	1	100
POLITICAL SCIENCE	28	6	11	8	0	89.29
Communication and Journalism	22	4	11	5	0	90.91
MSW	39	22	12	0	0	87.18
CHEMISTRY	18	2	8	0	2	77.78
BOTANY	29	10	6	4	0	96.55
MICROBIOLOGY	29	10	7	5	0	79.31
COMPUTER SCIENCE	33	13	6	0	0	100
PHYSICS	27	5	4	0	0	37.04
MATHEMATICS	28	10	4	1	1	71.43
BIG DATA ANALYTICS	26	14	6	0	0	92.31

RESULT ANALYSIS - PG Section Wise - IV Semester - April 2018

Title of the Programme	Total no. of students appeared	Distinction	I %	II %	III %	Pass %
ECONOMICS	27	7	9	3	1	77.78
ENGLISH	36	16	16	2	1	97.22
POLITICAL SCIENCE	24	7	11	4	0	91.67
Communication and Journalism	23	7	9	2	0	78.26
MSW	39	22	13	0	0	94.87
CHEMISTRY	19	4	2	2	0	63.16
BOTANY	29	13	2	0	0	100
MICROBIOLOGY	27	4	0	0	0	100
PHYSICS	24	4	4	0	0	37.5
MATHEMATICS	29	8	6	2	0	100
COMPUTER SCIENCE	32	20	7	1	0	100
BIG DATA ANALYTICS	28	21	0	0	0	100

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:

By online evaluation of faculty/ by going through the reports of Board of studies of different departments and organising seminars for new faculty in the areas needed for improvement.

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	5
UGC – Faculty Improvement Programme	-
HRD programmes	-
Orientation programmes	226
Faculty exchange programme	2
Staff training conducted by the university	-
Staff training conducted by other institutions	20

Summer / Winter schools, Workshops, etc.	20
Others	-

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	11	0	-	-
Technical Staff	8	0	-	-

Criterion – III

3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

- College Research committee conducted research workshops

- Rs. 50 Lakhs was funded by BJES as seed money to promote research culture amongst the faculty.

3.2   Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	1	2		
Outlay in Rs. Lakhs			54,82,580/-	

3.3   Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	13	8		
Outlay in Rs. Lakhs			50 Lakhs	

3.4   Details on research publications

	International	National	Others
Peer Review Journals	20	30	-
Non-Peer Review Journals	-	-	-
e-Journals	-	-	-
Conference proceedings	-	11	-

3.5 Details on Impact factor of publications:

Range [   ]   Average [4]   h-index [   ]   Nos. in SCOPUS [   ]

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	2016-2017	SERB and DST	54,82,580/-	13, 50, 000/-
Minor Projects	-	-	-	-
Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	-	-
Projects sponsored by the University/ College	-	-	-	-
Students research projects *(other than compulsory by the University)*	-	-	-	-
Any other(Specify)	2016-2017	BJES(Management)	50,00,000/-	50,00,000/-
Total			1,04,82,580/-	63,50,000/-

3.7 No. of books published   i) With ISBN No.   [-]   Chapters in Edited Books   [11]

ii) Without ISBN No.   [-]

3.8 No. of University Departments receiving funds from

UGC-SAP [ ]   CAS [ ]   DST-FIST [5]

DPE [ ]   DBT Scheme/funds [3]

3.9 For colleges   Autonomy [ ]   CPE [ ]   DBT Star Scheme [√]

INSPIRE [ ]   CE [√]   Any Other (specify) [ ]

3.10 Revenue generated through consultancy   [Rs. 6040/-]

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	2	-	3	-	4
Sponsoring agencies	St. Louis University and North Carolina	-	IAS		Private

3.12 No. of faculty served as experts, chairpersons or resource persons   [33]

3.13 No. of collaborations   International [6]   National [11]   Any other [ ]

3.14 No. of linkages created during this year   [4]

3.15 Total budget for research for current year in lakhs : 50

From Funding agency [54,82,580]   From Management of University/College [50]

Total [1,04,82,58]

3.16 No. of patents received this year: NIL

Type of Patent		Number
National	Applied	-
	Granted	-
International	Applied	-
	Granted	-
Commercialised	Applied	-
	Granted	-

3.17 No. of research awards/ recognitions received by faculty and research fellows
    Of the institute in the year

Total	International	National	State	University	Dist	College
2	-	-	2	-	-	-

3.18 No. of faculty from the Institution
    who are Ph. D. Guides   15

    and students registered under them   29

3.19 No. of Ph.D. awarded by faculty from the Institution   3

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF   1   SRF   1   Project Fellows   Any other

3.21 No. of students Participated in NSS events:

University level   1   State level   1

National level   1   International level   -

3.22 No. of students participated in NCC events:

University level   22   State level   7

National level   8   International level   -

3.23 No. of Awards won in NSS:

University level   -   State level   -

National level   -   International level   -

3.24 No. of Awards won in NCC:

University level ☐ 5 State level ☐ 2

National level ☐ 6 International level ☐ -

3.25 No. of Extension activities organized

University forum ☐ - College forum ☐ 55

NCC ☐ 7 NSS ☐ 15 Any other ☐

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

- Outreach programme Bembala for UG and PG students

- NSS camps, visit to old age homes, orphanages, blood donation camps and participation in awareness camps, Neerathon water conservation drive, Human rights week etc.,

Criterion – IV
4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	11	900Sq.Ft	Management	8.44 Acres
Class rooms	78	2 counselling rooms	-	80
Laboratories	15	Botany lab renovated, language and mathematics lab added		17
Seminar Halls	4	4		8
No. of important equipments purchased (≥ 1-0 lakh) during the current year.	5	-		

Value of the equipment purchased during the year (Rs. in Lakhs)	1,41,30,631/-	-		-
Others	-	-		-

4.2 Computerization of administration and library

Fully automated

RFID was installed

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	20400	Approx, 1 crore	2100	8 Lakhs	22900	>|cr
Reference Books	55000	1 Cr	500	3 Lakhs	55600	>|cr
e-Books	600	7 Lakhs	100	1.0 Lakhs	700	8 Lakhs
Journals	50	5 Lakhs	5	1.6 Lakhs	55	6.6 Lakhs
e-Journals	350	-	-	-	350	-
Digital Database	1	10 Lakhs	-	-	1	10 Lakhs
CD & Video	309	17 Lakhs	10	3000	319	17,000
Others (specify)	-	-	-		-	-

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart-ments	Others
Existing	524	12	Full Campus	2	1	15	all	Wifi
Added	08	0	-	-	-	-	-	-
Total	532	12	-	-	-	-	-	-

4.5 Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-Governance etc.)

-1 GDLC Server

4.6 Amount spent on maintenance in lakhs:

   i) ICT

5 Lakhs

   ii) Campus Infrastructure and facilities

34.6 Lakhs

   iii) Equipments

41.3 Lakhs

   iv) Others

135 Lakhs

Total :

216 Lakhs

Criterion – V
5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

> Student grievance cell meetings were held
>
> Class mentors and Welfare officers meeting
>
> Gender sensitivity awareness and seminars were conducted

5.2 Efforts made by the institution for tracking the progression

> Regular academic council meetings, meetings with mentors and Student council

5.3 (a) Total Number of students

UG	PG	Ph. D.	Total
4731	742	27	5500

  (b) No. of students outside the state

35%

  (c) No. of international students

104

	No	%
Men		

	No	%
Women		

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
1603	369	440	2623	-	5035	2471	600	545	1882	2	5500

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

- Teachers guidance

- Referring candidates to suitable examinations

- Elective and certificate course in Civil services

No. of students beneficiaries   100

5.5 No. of students qualified in these examinations

NET   4   SET/SLET   2   GATE   -   CAT   -

IAS/IPS etc   -   State PSC   -   UPSC   -   Others   -

5.6 Details of student counselling and career guidance

1. College has cell called placement and skill development

2. Career mapping is done

3. Career counselling is done

5.7 Details of campus placement   All final year students

On campus			Off Campus
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
71	500	388	Most of them

5.8 Details of gender sensitization programmes

- Sessions awareness about the cell and programme for faculty and students was conducted

- Poster making

5.9 Students Activities

    5.9.1   No. of students participated in Sports, Games and other events

State/ University level   `100`   National level   `100`   International level   `10`

No. of students participated in cultural events

State/ University level   `210`   National level   `5`   International level   `0`

    5.9.2   No. of medals /awards won by students in Sports, Games and other events

Sports : State/ University level   `70`   National level   `50`   International level   `6`

Cultural: State/ University level   `70`   National level   `0`   International level   `0`

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	281	30,42300/
Financial support from government	108	3,98780/
Financial support from other sources	-	-
Number of students who received International/ National recognitions	2	-

5.11   Student organised / initiatives

Fairs   : State/ University level   `1`   National level   International level

Exhibition: State/ University level   `1`   National level   International level

5.12   No. of social initiatives undertaken by the students   `30`

5.13 Major grievances of students (if any) redressed: Minor maintenance of infrastructure which was solved.

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

VISION OF THE COLLEGE

Striving for a just, secular, democratic and economically sound society,

Which cares for the poor, the oppressed and the marginalized.

MISSION OF STATEMENT

St. Joseph's College seeks to form men and women who will be agents of change, committed to the creation of a society that is just, secular and Democratic. The education offered is oriented towards enabling 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 ethical pursuit of intellectual curiosity and ceaseless enquiry. Human excellence is promoted through courses and activities that help students achieve personal integrity and conscientise them to the injustice prevalent in society.

6.2 Does the Institution has a management Information System

Yes

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

1. Revision of syllabus as per the need.

2. Expertise from industry, Institutes, Academia and alumni are consulted.

3. Students feed back towards holistic development of the curriculum.

6.3.2 Teaching and Learning

1. Conducting bridge courses

2. Conducting remedial classes

3. Using A. V presentations and screening documentary

4. Lab presentations and Viva-Voce

5. Research based pedagogy

6. Industrial and field visits

7. Invited talks and group discussions, debates, quizzes, seminar presentations and Paper presentations.

6.3.3 Examination and Evaluation

Refer SJC calendar Pages 13-24

6.3.4 Research and Development

The College has a good number of Ph.D. qualified staff members. The staff members have obtained their doctoral degrees from their research work carried out at prestigious institutes, such as IISc, IITs in India and in foreign universities as well.

- There are 15 recognised Ph.D. guides in the College and 29 research scholars working under them.

- The college also conducts workshops and seminars aimed at faculty development. In the last 5 years, the College has published more than 170 research papers in referred journals in national and international journals. The impact Factor of some of them is very high. Many members of the staff have presented papers at national and international conferences. One staff from the department of Chemistry Dr. Michael Rajamati has good number international publications in the area of Carobon Nano tubes to his credit and for his research contributions to society: Govt. Of Karnataka bestowed the sir CV Raman Young Scientist Award for Chemical Sciences on him.

- The College research centre has a central instrumentation facility and has acquired a few sophisticated instruments through its UGC funds as a College of Excellence programme scheme.

- The College has completed 11 minor and 7 major projects and has2 ongoing major projects and 8 minor research projects.

- The staff members have published several book and chapters during the last 5 years

- The College has developed useful and academically productive linkages with other institutions both at the national and international levels.

6.3.5 Library, ICT and physical infrastructure / instrumentation

1. Introduction of automation

2. Open access system

3. INFLIBNET

4. RFID

6.3.6 Human Resource Management

Time to time in all the intervals and also in the beginning of the year orientation to staff is organized.

6.3.7 Faculty and Staff recruitment

1. Transparently done with policy in place

2. Committee is established for interview and selection with expertise in the subject

6.3.8 Industry Interaction / Collaboration

All most all the departments have formal and informal collaborations with industry

6.3.9 Admission of Students

Based on the general admission policies for 2B and 2F minority colleges.

6.4 Welfare schemes for

Teaching	2
Non teaching	2
Students	2

6.5 Total corpus fund generated

Alumni support mid day meal scheme of the college

6.6 Whether annual financial audit has been done   Yes √   No

6.7 Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Faculty of other reputed institutes	Yes	By College
Administrative	No	-	Yes	College Management

6.8 Does the University/ Autonomous College declare results within 30 days?

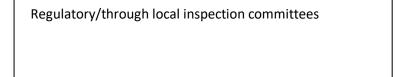For UG Programmes   Yes [✓]   No [   ]

For PG Programmes   Yes [✓]   No [   ]

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

Refer SJC calendar Pages 13-35

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

Regulatory/through local inspection committees

6.11 Activities and support from the Alumni Association

- Every year annual get-together with formal programme and informal programme on the last day of October.

- Regular meetings are held with the alumni association

6.12 Activities and support from the Parent – Teacher Association

- Once in a semester meeting of the parent teacher is organized.

- Parents Association has been formed.

- Seminars for parents are conducted

- Parents feedback is taken about the functioning of the institution

6.13 Development programmes for support staff

Time to time in all the intervals and also in the beginning of the year orientation of support staff is organised.

6.14 Initiatives taken by the institution to make the campus eco-friendly

1. **Solarisation of the Campus**: A first of its kind in South India, St. Joseph's College campus has installed a 100 KW roof top solar power system. This project was commissioned under Jawaharlal Nehru National Solar Mission covering roof area of 11000 sq ft. All types of loads at the campus from lights, lab equipment air conditioners. Lift and water pumps are powered by solar energy. On an average daily 425 KW h of power is generated during peak hours and the college is contributing in fighting global warming y reducing emission of 7600 kg CO2.

2. **Rain water harvesting**: Roof top harvesting and Ground water recharging in place.

3. **Solid Waste Management**: Solid waste segregation and disposal is effective in the campus.

4. Use of ecofriendly materials on campus for publicity of events.

5. **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,675units energy and 1.7cubic meter land fill space since the last two years.

6. **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_4) and Chloroform $(CHCl_3)$ is reduced to protect the ozone layer.

7. **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.

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 takesthe 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

Criterion – VII

7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

- Seed money for faculty research to inculcate research culture amongst faculty

- Designing International students and faculty exchange programmes

- Counselling System: In each block of the campus the students are taken care by professional counsellors who help the students navigate life's difficult experiences and encounter challenges beyond the scope of teacher's and parent's awareness.

- Promotion of Research based teaching and learning

- Strengthening student research

- Skill up-gradation of faculty by attaining refresher courses, Conferences and workshops

- Sports complex for the faculty and students

- Strengthened Central Instrumentation Facility with DST-FIST funds

- Data formats for documentation

- ICT enabled teaching learning

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

1.4th Cycle NAAC – Successfully completed 4th Cycle NAAC with fruitful results 3.79/4 A++
2. To take part in NIRF – 60th Rank
3. Internal and External Academic Audits – Departments got aware of their strengths and their challenges
4. DATA formats for data documenting – Data formats were getting ready
5. Faculty development – Many attended Refresher courses, Conferences, workshops and seminars
6. Faculty evaluation – Feedback was given to the faculty with audit report

7.3 Give two Best Practices of the institution *(please see the format in the NAAC Self-study Manuals)*

> 1. The institution strives to promote Value-based education through HRD classes, Ignitors programme and soft skills, Social responsibilities and good citizenry through outreach programmes
>
> 2. Mentoring and counselling system.

7.4 Contribution to environmental awareness / protection

> - Waste segregation
> - Solar panels
> - Rainwater harvesting
> - Plastic ban on campus
> - Recycling
> - A greenhouse

7.5 Whether environmental audit was conducted?   Yes [✓] No [ ]

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

> NO

8. **Plans of institution for next year**

> 1. To strengthen the existing best practices
>
> 2. To focus on first generation learners
>
> 3. Research to be made an integral part with teaching
>
> 4. To tap all possible student scholarships available and help students avail them.
>
> 5. To better the ERP for data documentation
>
> 6. Conduct seminars and workshops on Academic and Administrative quality enhancement.

Name: Dr. Syed Wajeed   *Name: Rev. Dr. Victor Lobo, S.J*

Director, IQAC   *Chairperson, IQAC*

_____***_____

Abbreviations:

CAS	-	Career Advanced Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DPE	-	Department with Potential for Excellence
GATE	-	Graduate Aptitude Test
NET	-	National Eligibility Test
PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme
SF	-	Self Financing
SLET	-	State Level Eligibility Test
TEI	-	Teacher Education Institution
UPE	-	University with Potential Excellence
UPSC	-	Union Public Service Commission

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