

## NEFT

Name of the Account : Primax Foundation  
Account No. : 166111100001608  
(Current Account)  
Bank Name : Andhra Bank  
Place : Kengeri Satellite Town,  
Bangalore-60  
IFSC Code No. : ANDB0001661  
MICR CODE : 560011038

Contact :

**Prof. T. Rajeswari**  
President, Primax Foundation

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Kengeri, Bengaluru, Karnataka - 560056. Land Mark: Above IFB Point  
Ph : + 91 8971725451 ; 8971748666  
Email: Primaxfoundation2015@gmail.com

## Program Schedule – 7<sup>th</sup> to 9<sup>th</sup> February 2019

Registration - ( 8.30 AM to 9.00 AM)

### DAY 1: 7-02-2019 Inaugural Session - 09-00 A.M. To 9.30 A.M.

#### Innovations In Teaching & Learning

- Teaching Goals
- Things To Consider Before Teaching
- Choosing the Right/Correct Topic and Narrowing it Down
- Teaching Learning: A New Paradigm
- More Values In Teaching Attitude
- Innovative And Best Practices
- Mind Meets The Classroom
- Student's Goals Influence Their Learning
- Improve your Communication Skills
- How (Well-Structured) Talks Builds The Mind
- A Theory of Teaching
- Uncovering The Role Of Culture In Learning, Development and Education

#### Research Methodology

- Research Paradigms
- Research Methods
- Types of Research Studies
- Research Gaps
- Problem Statement
- Content Analysis
- Hypothesis Development.

### DAY 2: 8-02-2019

#### Statistical Concepts and its Application

- Population and Sample
- Organizing Data
- Sampling Techniques & Sample Size
- Stages in Data Analysis
- Procedure for Testing of Hypothesis
- Concept of P Value
- Parametric and Non-parametric Test Interpretation
- Enter your Data into a Data file in SPSS
- Provide labels for input file
- Transform the data into suitable form
- Prepare Descriptive Statistics
- Prepare graph the data
- T- Test ( One Sample, Two Sample Paired T- Test )
- Hypothesis Testing for T-Test
- One Way & Two way ANOVA
- Chi-square test for goodness of fit
- Correlation analysis & Regression
- Test for Normality
- Mann Whitney U Test
- Krushkal Wallis Test
- Wilcoxon Test & Friedman Test
- Multiple Regression Analysis
- Discriminant Analysis
- Factor Analysis & Cluster Analysis
- Mapping Tools

### DAY 3: 9-02-2019

### Valedictory (5.00 PM to 5.30 PM)

#### Structural Equation Model using AMOS

- Model Fit Summary
- Goodness of Fit Index (GFI)
- Adjusted Goodness of Fit Index (AGFI)
- Normated Fit Index ( NFI)
- Comparative Fit Index ( CFI)
- RMR & RMSEA

#### Confirmatory Factor Analysis using AMOS based on One Factor

- Modification Indices
- Model Fit Summary

#### Confirmatory Factor Analysis using AMOS based on Multi Factor

- Average Variance Extracted (AVE)
- Construct Reliability (CR)
- Convergent Validity
- Discriminant Validity

#### Analysis based on Secondary Data

- Linear Model
- Compound Model
- ARIMA Model

(Note: Tea Break 10.30 AM to 10.45 and 3.30 PM to 3.45 PM; Lunch 1.00 PM to 2.00 PM)

#### Chief Patron

**Fr. Dr. Melwyn D'Cunha S.J.**  
Rector,  
St. Joseph's College  
(Autonomous )  
Bengaluru - 27

#### Patron

**Fr. Dr. Victor Lobo S.J.**  
Principal, St. Joseph's College,  
(Autonomous ) Bengaluru -27  
**Dr. V. Selvaraj**  
Secretary, Primax Foundation  
Bengaluru-56

#### Conveners

- 1. Prof. Clement D' Souza**  
Head, Department of Economics,  
Block Co-ordinator, St. Joseph's College, Bengaluru - 27
- 2. Prof. Prabhakar. K**  
Assistant Professor, St. Joseph's College, Bengaluru - 27
- 3. Prof. T. Rajeswari**  
President, Primax Foundation, Bengaluru - 56
- 4. Dr. S. Saiganesh**  
Assistant Secretary, Primax Foundation, Bengaluru -56

#### Advisory Committee

- 1. Dr. Easwaran Iyer**  
Dean, Commerce and Director of  
Industry Interface, Jain University  
Bengaluru.
- 2. Dr. P. Malyadri,**  
Principal, Govt. Degree College,  
Rayalaseema University,  
Andhra Pradesh. India.
- 3. Dr. K.V. Ramanathan**  
Prof. AVK Institute of Management
- 4. Prof. Jayarama**  
Principal, SABS, Kengeri, Bengaluru
- 5. Fr. Dr. Manoj D'Souza S.J.**  
Director SJIM, Bengaluru - 25
- 6. Fr. Arun D'Souza S.J.**  
Director, SJEC, Bengaluru-25
- 7. Dr. Etienne Rassendren**  
Associate professor,  
Dept. of English, SJC,  
Bengaluru - 27.

#### FDP Coordinators (St. Joseph's College, Bengaluru -27 )

- 1. Ms. Mini Mark Bonjour**
- 2. Dr. Popy Dutta**
- 3. Dr. Grace Prabhakar**
- 4. Dr. Joyce Queeny D'Souza**
- 5. Dr. Sunitha Rajamani**
- 6. Ms. Princy Nisha**
- 7. Ms. Vidisha D'Souza**
- 8. Ms. Latha Paul**
- 9. Mr. D. Kiran Jeevan**

#### Contact Details:

**Prof. Clement D' Souza** - 9945480711  
**Prof. Prabhakar. K** - 9738835382  
**Prof. T. Rajeswari** - 8971725451



# St. JOSEPH'S COLLEGE

(Autonomous)

NAAC with A++ Grade with a CGPA of 3.79/4.00  
PB 27094, Langford Road, Shantinagar, Bengaluru -560 027.

In Association With



## PRIMAX FOUNDATION

Bengaluru, Karnataka

(Registered under the Karnataka Societies Reg. Act 1960)

Reg. No. JNR-S211-2015-16

## Three day – National Level Faculty Development Programme

On

“ Innovations in Teaching & Learning”  
Research Methodology & Data Analysis  
( Using SPSS and AMOS )



Date: 7<sup>th</sup> to 9<sup>th</sup> February 2019 Time 8.30 AM to 5.30 PM

Venue : **St. Joseph's College Auditorium**  
Bengaluru - 27

## College at a glance

St. Joseph's College (Autonomous), Bengaluru is one of the oldest colleges in India with a history of more than 136 years. It imparts graduate, post graduate and research education while searching, renewing and expanding itself, attempting to be ever relevant to the changing landscapes of time. The College guided by the Jesuit ideals of education towards a society of equality, fraternity and liberty through an admission policy of preferential option for the poor. Merit is understood in a larger perspective here. While it is the desire of the College to provide quality education to as many men and women from all section of society, it proactively extends support to students who lack opportunities. The College is Re-accredited with A++ Grade and 3.79/4 CGPA by NAAC and recognized as "College of Excellence" by UGC.

## Primax Foundation

Primax Foundation® is Registered under the Karnataka Society Reg. Act 1960 (12A and 80G), Bangalore, Karnataka, India. Primax Foundation is established with towering ideals of imparting quality and non-profitable services to the society through Journals, Seminars, Workshops, Educational Training & Skill Development, Study Circles, Counseling & Rehabilitation, Initiating Research Activities etc., for total personality development in the society. Primax Foundation is an upcoming Training and Development Center at Bangalore offering a variety of need based training programs, through on and off campus modes. The primary aim is to ensure employability for the students and molding them to suitably fit into all aspects of corporate requirements. In addition, its intention is to upgrade the quality of research work among the faculty members involved in Science & Humanities, Commerce, Management Education and the allied fields to ensure that all the research work undertaken, is gainfully employed by the industry, society and corporate world. Its operational objective is to disseminate, strengthen and enhance knowledge, across all sections of the society.

## Faculty Development Programme at St. Joseph's College Bengaluru -27

The objective of the department is to provide support through organising consistent training and workshops for the faculty that will revitalize the necessary initiatives that will enhance their efficiency.

### Category of training programme :

- Induction programme for new faculty
- Residential staff enrichment programme for faculty completing less than 5 years
- Workshop on sensitising and promoting research atmosphere in the college by organising research orientation workshops
- Workshop on teaching learning process
- Workshop on curriculum development
- Training programme on effective class room communication
- Training programme/ workshop on effective mentoring and counselling.

### Methodology

The programmes is to be organised through both In-House expertise and outsourced resource persons. In the long run the department enhances its capabilities by collaborating with similar centres from industry and quality institutes

## About FDP Workshop:

The aim of this online FDP is to bring together researchers and doctoral students, young and experienced faculties who are working in different universities, colleges on different disciplines and would like to excel in their classroom with their full confidence and motivation in respective specializations. Current FDP supports at equipping teachers/faculties of higher education with skills and knowledge to promote the professional development and to foster a climate for innovation in teaching and learning. This workshop will be conducted in a highly interactive manner, with greater emphasis on participant's current teaching pedagogy and academic content rigor.

In today's world it is most difficult to avoid the term 'research'. It is because of the continuous efforts of the researcher that we are experiencing a giant leap in this century. Most of the users of statistics, as a decision making tool, feel themselves handicapped in selection of an appropriate statistical tool, understanding the theoretical concept and interpretation of results in a meaningful way. It is really difficult for a person who is not well versed with research methodology and the core philosophy of statistics. A research is initiated to have some practical consequences. This workshop has been designed to provide clear guidelines on how to undertake research as well as highlights the realities of undertaking research, including more common pitfalls. Looking at these requirements of research, the St. Joseph's College (Autonomous) and Primax Foundation, Bangalore, has planned to organize this Faculty Development Program on Open Source Statistical Packages. Participants will be provided with sample data set to analyse so that they may gain confidence and expertise in conducting researches in their respective subject domains.

## FDP Objectives

- To provide understanding about innovative teaching learning methods.
- To enhance overall teaching and research capabilities of faculty members.
- To provide in depth understanding about teaching pedagogy.
- To acquaint faculties with intricacies of new learning methods in modern world.
- To help the participants to familiarize with the statistical Concepts.
- To Train the participants in data entry through SPSS and AMOS
- To Develop confidence as independent SPSS and AMOS data analyst.

## Who can Participate?



- Faculty Members, Academicians and Research Scholars in their respective fields.
- Professionals and Executives from the Industry engaged in data analytics and applications.

## Our Resource Persons



**Dr. Haseen Taj**, MA (Psy), M.Ed, PhD.,  
Professor, Department of Education  
Bangalore University

She has **33** years of Teaching & Research Experience at Post Graduate level. She was a First Rank holder and a University Gold Medalist in her M.Ed. Course. She is a recipient of "State Award" (1984), "National Award" (1996), "Professional Involvement Award" (1998), "Best Teacher Award" (1998), "Behavioral Scientist Award" (2001), "Women Empowerment year 2001 Award" (2001) Education Development and Peace Award (2001), National Level Special Award (2003), Prabha Bhargava samman (2009), Baba Sahib Dr. Ambedkar National Fellowship Award (2009) & Best Senior Educationist Award (2015) for her excellence in research, She has been chosen as "Member of Professional Women's Advisory Board" for her distinguished standing by ABI, **USA**. She has done quite a few book reviews and has published **13** books, in addition to publishing **200** research/thematic articles in journals of National and International standards and repute. She has guided several M.Ed & M.Phil besides guiding Ph.D.'s. She has developed & standardized **45** research tools and has published **17** out of them. She is a Trained **HRD** facilitator, Bangalore University, Bangalore.



**Dr. R. RAVANAN**, M.Sc., M.Phil., Ph.D.,  
Principal, Presidency College, Chennai  
General Secretary,  
Tamilnadu Statistical Association (TNSA), Tamilnadu  
Treasurer, Indian Society for Probability and Statistics (ISPS), India

He has **about 25 years of research, consultancy and teaching experience** in the application of Statistics to Bio-statistics especially in the estimation of HIV/AIDS. He has extensive experience in the application of statistical concepts to HIV/AIDS. He has been teaching and training Advanced Operation Research, Stochastic Processes, Statistical Inference and Multivariate methods to Post Graduate students and researchers and has provided consultancy support to scientists in the field of biomedical sciences and was part of multi-disciplinary research teams in charge of providing statistical guidance. **He has more than 21 years of experience in using statistical software's SPSS and AMOS.**



**Dr. D. Kumaresan**, M.Sc., M.Phil., Ph.D.,  
Professor & Principal  
Laxminarayana Arts & Science College for women, Darmapuri.

He has a teaching experience of 20 years including a research experience of 15 years. He is proficient in SPSS and has conducted many workshops on Research Methodology and Statistical Analysis using SPSS & Excel in various Universities and Colleges in Tamil Nadu, Andhra Pradesh and Karnataka.

## REGISTRATION FEE

Participants	Amount
Research Scholar	INR 2,500 /-
Faculty	INR 3,000 /-
Corporate	INR 4,000/-

The Participants are requested to send the registration form along with the Registration fee in the **form of NEFT/ IMPS payable on or before 15-01-2019.**

### Important Note

- The Registration fee includes the Participation fee, FDP Kit, Demo Statistical Software, Materials, Certificate, Refreshment & Executive Lunch.
- **Only Limited Participants will be admitted on "First come - First Serve basis"**
- 1. Accommodation will be provided for Out station participants (with own cost)
- 2. No spot registration
- 3. Attendance Certificate will be issued
- 4. Participants are requested to carry their Own Laptops for Practical session.