



# PRIMAX FOUNDATION

(Registered Under Karnataka Societies Registration Act 1960  
Reg. No. JNR-S211-2015-16)  
Bengaluru, Karnataka, India



Be a Hero. Always say,  
"I Have no fear"

In Association with

**SHRI RAM COLLEGE OF COMMERCE**

(Grade "A+" in the First Cycle by NAAC)

Delhi, India



**SURANA COLLEGE**

(Grade "A+" REACCREDITED BY NAAC  
IAO Certified)

Bengaluru, Karnataka

Organizing

## 14 -DAY VIRTUAL

INTERNATIONAL RESEARCH  
CAPACITY BUILDING PROGRAMME

**"Research Methodology and Data Analysis for  
Ph.D Research Scholars & Faculty Members"**



For Registration



**04-12-2021**  
to  
**17-12-2021**



**5.00 PM**  
to  
**8.00 PM**

## Primax Foundation, Bengaluru.

Primax Foundation was established during 2015 and it was registered under the Karnataka Societies Reg. Act 1960 with IT exemption 12A & 80 G. Primax Foundation is established with towering ideals imparting quality and non-profitable services to the society through Journals, Seminars, Workshops, Educational Training & Skill Development, study circles, Personality and Placement training Programme and add-on Program etc. for the personality development in the society. Primax Foundation is an upcoming Training and Development center at Bangalore offering a variety of need based training programmes, through on and off campus mode. The primary aim is to ensure employability for the students and moulding them to suitably fit into all aspects of corporate requirements. In addition, its intentions 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.

## Shri Ram College of Commerce, Delhi.

Commerce education in India began in 1886 with the establishment of a commercial school in Chennai (erstwhile Madras). The genesis of the College is chronicled in the year 1920, when, on the day of Basant Panchmi, seven leading businessmen headed by Lala Shri Ram established the Commercial Education Trust in Delhi. The Trust set up its first school in the same year under the name 'The Commercial School' at Charkhewalan in the walled city of pre-independence Delhi. The school introduced a Post-Matriculation Diploma Programme in Commerce under the supervision of Mr. R. K. Kumar, who later became the first Principal of the Commercial College. The inauguration of the Commercial College paved the entry of commerce education in the University system of Delhi. The first batch of students of the Commercial College was enrolled on the first floor of a 'Hall' opposite the St. James' Church at Kashmere Gate. The classes began with twelve students and four faculty members from a hired bungalow at 8, Darya Ganj, New Delhi.

## Surana College, Bengaluru.

Surana College, (est. 1995) under GDA Foundation Trust is affiliated to Bangalore University (u/s 53(5), (& under Karnataka State Universities Act 2000) and is also included under section 2(f) & 12(B) of the UGC Act 1956. The institution has been catering to all sections of society on need-based quality education. Surana College has clarity on students' future, both in their career and life. The institution has many case studies on inducting average students only to raise them to achieve distinction and ranks. The emphasis is on academic focus adding to train for holistic development of students. Constantly identifying value-additions to the university stipulated curriculum, the college designs balanced inputs of curricular and co-curricular components into its practice.

## About FDP Workshop

Research plays an indispensable role in today's contemporary Academia and Statistics is considered to be the heart of research as it evaluates the credibility and useful information, and make appropriate decisions. Most of the users of statistics, as a decision-making tool, feel themselves handicapped in the selection of an appropriate statistical tool, understanding the theoretical concept and interpretation of results in a meaningful way. This workshop has been designed and aimed to facilitate with hands on training for the faculty members, research scholars and corporate under the areas of Arts and Science, Management and allied subjects, like Economics, Statistics, Computer Applications, Commerce, Banking, Organizational Behavior, Business Policy, Sociology, Marketing, and Labour Relations.

## FDP Objectives

1. To provide knowledge on Research Methodologies and Design Aspects.
2. To help the participants to familiarize with the statistical Concepts & tools with different statistical software.
3. To provide hands on training on data analysis.
4. To develop new techniques in Research Methodology, so as to improve the quality of research work.
5. To provide knowledge on, how to write Funded Project & Research Article.



## Who can attend?

Faculties, Research Scholars, Corporates, Marketing Analyst and PG Students.  
Participants can register irrespective of any discipline.



## Important Guidelines

- **Registration fee for Indian Participants Rs.3,500 & Foreign Participants \$ 100**
- Plat form: GOOGLE MEET / ZOOM CLOUD MEET
- Meeting link will be shared only to the Registered participants.
- **Demo/Students Trial version software will be provided to the registered participants.**
- Maximum Intake 50 Participants on first come and first serve basis.
- **No Video recording.**
- Hard Copy of the certificate will be sent to the Participants address through speed post.
- Certificate will be provided to all the registered participants who attend all the sessions.

Day	Date	Topics to be Covered	Resource Person
Day-1	04/12/2021 (5.00 PM to 7.00 PM)	Introduction to Research Formulation of objective. Formulation of Research Problem Formulation of Hypothesis Research design & Sampling Designs Types of Sampling Calculation of Sample Size ( Manual & Online)	<b>Dr. D. Kumaresan</b> Professor & Director, KSR College of Arts & Science for Women, Tiruchengode.
	(7.00 PM to 8.00 PM)	Construction of Good Quality questionnaire Construction of Good Research Design. Methods of Data Collection (Primary& Secondary) Tips and writing Method of Data analysis & Interpretation Method of writing Review of Literature	<b>Dr.M.Tamilselvan</b> Faculty of Business studies. University of Technology and Applied sciences-IBRI Sultanate of Oman
Day-2	05/12/2021 (5.00 PM to 9.00 PM)	<b>SPSS DATA</b> Define Variable Property & Data Entry in to SPSS, Importing, Data entry in SPSS Define Multiple response set, Validation, identify duplicate Cases, identify unusual cases, Sort Case, Sort variables, Transpose, Merge File, Copy Data set, Split file, Select Case.  <b>SPSS TRANSFORM</b> Compute variable, Count value, recording into same variable, recording into different variables, Automatic recode, Visual & Optimal Binning, Rank Cases, Date & Time Wizard-Create Time Series, Replace Missing Values.  <b>JAMOVI:</b> Jomovi data entry and data Management, Reliability& Pilot test	<b>Dr. Dharmendra H</b> <b>Assistant Professor</b> <b>St. Claret College,</b> <b>Bengaluru.</b>
Day-3	06/12/2021 (5.00 PM to 8.00 PM)	Descriptive & Frequency statistics, One Sample t-Test, Independent Sample t-Test, Paired t-Test, Chi-square test. One-way ANOVA & Two-Way ANOVA, Multidimensional Scaling (Mapping Tools)	<b>Dr. Dharmendra H</b> Assistant Professor St. Claret College, Bengaluru.
Day-4	07/12/2021 (5.00 PM to 8.00 PM)	<ul style="list-style-type: none"> <li>• MANOVA, ANCOVA, MANCOVA</li> <li>• Mann Whitney U test</li> <li>• Krushkal Wallis test</li> <li>• Friedman Test</li> <li>• Test for Normality</li> <li>• Mann Whitney U test,</li> <li>• Wilcoxon test</li> <li>• Run Test</li> <li>• Correspondence Analysis, Reliability Test (Using Cronbach Alpha)</li> </ul>	<b>Dr. D. Kumaresan</b> Professor & Director, KSR College of Arts & Science for Women, Tiruchengode.
Day-5	08/12/2021 (5.00 PM to 8.00 PM)	<ul style="list-style-type: none"> <li>• Correlation: Pearson correlation, Partial correlation, Multiple Correlation.</li> <li>• Regression: Simple Regression, Multiple Regression, assumption of Regression &amp; Logistic regression.</li> </ul>	<b>Prof. Manjunatha.S</b> Assistant Professor Bengaluru, Karnataka.
Day-6	09/12/2021 (5.00 PM to 8.00 PM)	Factor Analysis Cluster Analysis (Discriminant Analysis.Two-step Cluster, K-Mean Cluster, Hierarchical Clustering, Decision Tree Analysis, Nearest Neighbor Analysis) Factor Analysis	<b>Dr. Ravikumar</b> Associate Professor Christ University, Bangalore.
Day- 7	10/12/2021 (5.00 PM to 8.00 PM)	<b>EXCEL</b> <ul style="list-style-type: none"> <li>• Advance Excel (Basic All Important Functions)</li> <li>• Basic Mathematical Functions</li> <li>• Statistical Functions &amp; Graphs</li> <li>• Accounting Functions</li> <li>• Financial Functions</li> </ul>	<b>Mr. Harish Gupta</b> Corporate Trainer Bengaluru.

<b>Day- 8</b>	<b>11/12/2021 (5.00 PM to 8.00 PM)</b>	<b>AMOS</b> <ul style="list-style-type: none"> <li>• Introduction about AMOS (From Basic)</li> <li>• Model Fit Summary</li> <li>• Goodness of Fit Index (GFI)</li> <li>• Adjusted Goodness of Fit Index (AGFI)</li> <li>• Normated Fit Index (NFI)</li> <li>• Comparative Fit Index (CFI)</li> <li>• RMR, RMSEA</li> </ul>	<b>Dr. R. Ravanan</b> Joint Director of Collegiate Education Chennai Region, Chennai.
<b>Day- 9</b>	<b>12/12/2021 (5.00 PM to 8.00 PM)</b>	<ul style="list-style-type: none"> <li>• Modification Indices, Model Fit Summary</li> <li>• Average Variance Extracted (AVE)</li> <li>• Construct Reliability (CR)</li> <li>• Convergent Validity</li> <li>• Discriminant Validity, Linear Model.</li> </ul>	<b>Dr. R. Ravanan</b> Joint Director of Collegiate Education Chennai Region, Chennai.
<b>Day- 10</b>	<b>13/12/2021 (5.00 PM to 8.00 PM)</b>	<b>PLS</b> <ol style="list-style-type: none"> <li>1. Determining Sample Size Using G*Power <ul style="list-style-type: none"> <li>• Effect Size</li> <li>• Statistical Power</li> <li>• Types of Power</li> <li>• Understanding G*Power Software</li> </ul> </li> <li>2. Basics of SEM (Structural Equation Modeling) <ul style="list-style-type: none"> <li>• Measurement Model (Formative vs Reflective)</li> <li>• Understanding Different Geometric Symbols</li> </ul> </li> <li>3. Drawing path model- Smart PLS -3</li> <li>4. Measurement Model Evaluation <ul style="list-style-type: none"> <li>• Evaluation of Reflective Measurement Model</li> <li>• Convergent validity – Different Approaches</li> <li>• Discriminant validity <ol style="list-style-type: none"> <li>i) Fornell – Larcker Criterion</li> <li>ii) HTMT Ratio (Heterotrait- Monotrait Ratio)</li> </ol> </li> </ul> </li> </ol>	<b>Dr. Atul Shiva</b> Faculty University School of Business Chandigarh University, Mohali.
<b>Day-11</b>	<b>14/12/2021 (5.00 PM to 8.00 PM)</b>	<b>E-VIEWS</b> <ol style="list-style-type: none"> <li>1. Measurement Model Evaluation-Model Fit</li> <li>2. Structural Model analysis &amp; evaluation (Partial Least Squares) <ul style="list-style-type: none"> <li>• Moderating Effect Analysis</li> <li>• Mediating Effect Analysis</li> <li>• Hypotheses Testing Using Bootstrapping</li> </ul> </li> <li>3. Importance Performance Map Analysis</li> <li>4. Direct, Indirect and Total Effects</li> </ol>	<b>Dr. T. Mohanasundaram,</b> Associate Professor, M.S. Ramaiah Institute of Technology, Bengaluru.
<b>Day-12</b>	<b>15/12/2021 (5.00 PM to 8.00 PM)</b>	<ol style="list-style-type: none"> <li>1. Introduction, Classical Linear Regression Model and its assumptions, Understanding the Data Generation Process, Unit Root tests.</li> <li>2. Univariate Time series Model: ARMA/ARIMA models for forecasting</li> </ol>	<b>Dr. T. Mohanasundaram</b> Associate Professor, M.S. Ramaiah Institute of Technology, Bengaluru.
<b>Day-13</b>	<b>16/12/2021 (5.00 PM to 8.00 PM)</b>	<ul style="list-style-type: none"> <li>• Granger Causality test</li> <li>• Multivariate Time series models – Cointegration analysis</li> <li>• Vector Error Correction Model</li> <li>• Time Varying Volatility models (ARCH/GARCH family models)</li> </ul>	<b>Dr. T. Mohanasundaram</b> Associate Professor, M.S. Ramaiah Institute of Technology, Bengaluru.
<b>Day-14</b>	<b>17/12/2021 (5.00 PM to 6.30 PM)</b>	<p>Writing Good literature review and method of writing literature review-Format of Bibliography APA and MLA Format link with online and useful tips</p> <p>Publishing in top -tier Journals: Pitching the right one and right methods, strategies for writing quality Research paper in SCOPUS Indexed Q1,Q2,Q3, ABDC Journals.</p>	<b>Dr. P. Arunachalam</b> Professor & Head Department of Applied Economics, Cochin University of Science & Technology, Kochi
	<b>(6.30 PM to 8.00 PM)</b>	<p>Writing Good Research Proposal for Funded Project- Tips to get funded projects in various funding agencies in India. like ICAI, ICSSR, DST, DSIR, IIPA &amp; Various ministries etc. )</p>	<b>Dr. P Karthikeyan</b> Faculty, School of Management Studies, Kongu Engineering College, Erode.

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Place : Kengeri

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### Online Payment (USE PRIMAX QR CODE)



## PROGRAMME COORDINATORS

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*"Happiness Comes from Giving Happiness"*

*All the best*

*Knowledge Is A Big Success In Life*