

PRIMAX EDUCACADEMY

(Under Primax Educational Trust)
UDYAM Reg. No. UDYAM-KR-03-0090770
Bengaluru, Karnataka, India

For Registration

Organizing

21-01-2024

to

18-02-2024

Only Sunday

9.00 AM to 6.00 PM



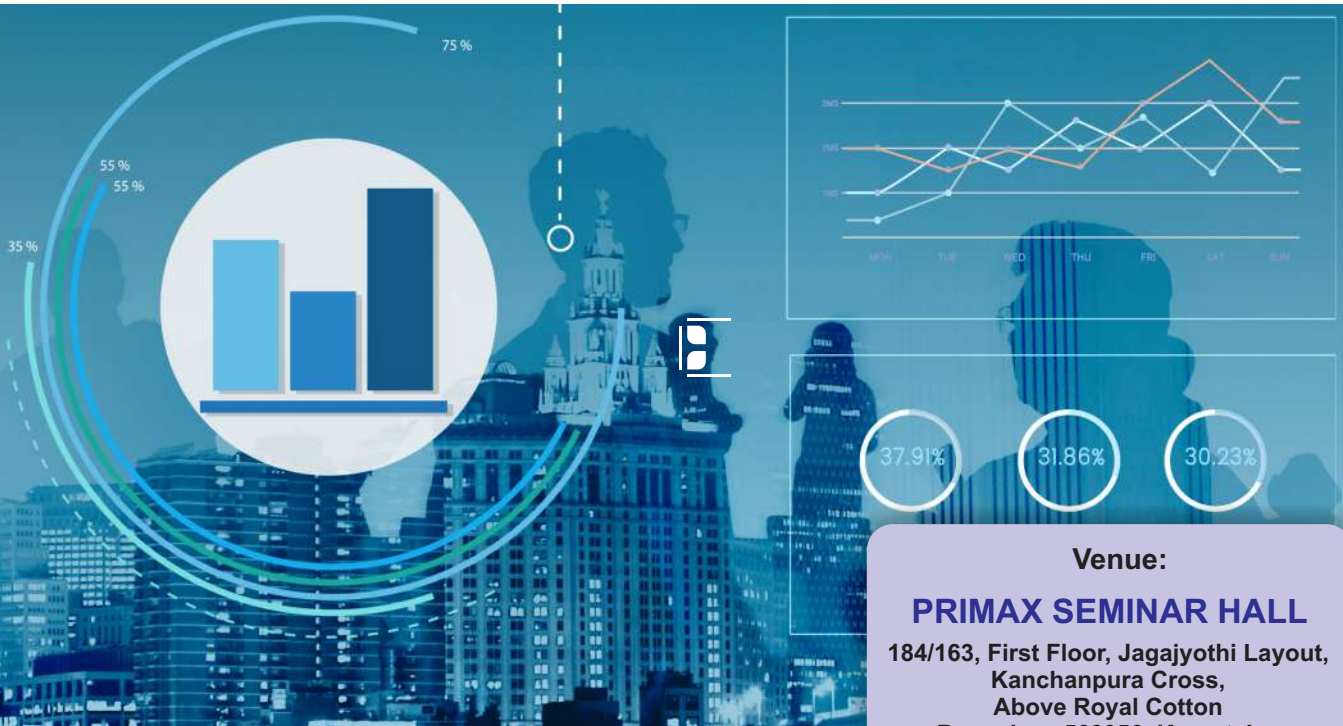
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40 HOURS

**A COMPLETE "RESEARCH METHODOLOGY AND
DATA ANALYSIS USING "SPSS & AMOS"**

ONLINE / OFFLINE

**TRAINING PROGRAMME FOR
FACULTIES AND RESEARCH SCHOLARS**



About Primax Eduacademy, Bengaluru

Primax Eduacademy established in the year 2017, Primax Eduacademy is the pioneering organization in enabling career-ready and formal higher Training Education in India. Primax Eduacademy is a non-profit Trust that endeavours to train the higher education teachers and students thereby exercises on developing the next generation teachers and industry ready students. Primax Eduacademy was started to meet the skill requirements of the industry and strengthen the "EMPLOYABILITY QUOTIENT" across the complete spectrum of adult learning – From Colleges to Corporate, especially in tier 2 and tier 3 the rural parts of the country. In the last 5 years, Primax Eduacademy has strived on every aspect to provide a holistic service to every stakeholder of the education ecosystem in developing the next generation of talent pool in India to make them industry ready employees, innovators, entrepreneurs and leaders. Primax Eduacademy also leverages its strong industry association by providing guest lectures, internships, Curriculum Design Assistance, Skill Development Program, Industrial visits, Live projects, and Placement Assistance.

Objectives of the Program

- To improve the researchers' understanding through the use of quantitative & qualitative approaches.
- To raise understanding of the fundamental principles associated with the SPSS and AMOS software through hands-on lab sessions.
- To provide hands-on training in fundamental and advanced data analysis tools and methodologies using SPSS and SEM using AMOS.

Who can attend?

Faculty member, Research Scholar and PG Student from all the domain.

Key Information

- **Duration: 5 days (Only Sunday)**
- Timings: 9.00 AM to 6.00 PM
- There will be '**No Spot Registration**'
- **Limited to 30 seats only.**
- Working Lunch and Two-time refreshment would be arranged.
- Registration Fee: **Very Affordable**
- All participants will receive '**Hard copy of Certificate of Participation**' after successful completion of the FDP
- **Necessary Demo / Trial version of statistical software will be provided to the registered participants**
- For outstation Participants the accommodation will be provided nearby Primax Eduacademy Training Institute, Bangalore and Room rent, Breakfast and dinner cost shall be borne by the participants.

RESOURCE PERSONS



Dr. M. Ramakrishnan

Associate Professor
P.G & Research Dept. of
Mathematics
RKM Vivekananda College
Chennai, Tamil Nadu



Dr. Umasankar. M

Associate Professor
Dept. of Professional Studies
Christ University, Bengaluru.



Dr. Dharmendra H.

Assistant Professor
Department of MBA
Acharya Institute of Graduate Studies
Soladevanhalli, Bangalore

PROGRAMME SCHEDULE

Day	Topic	Timing	Resource Person
DAY - 1	<ul style="list-style-type: none">• Introduction to Research• Process of Research• Identification & Formulation Problem• Formulation of Objectives & Hypotheses• Construction of Good Questionnaires• Method of Data Collection• Population, Census, Sample & its Methods• Research design• Meaning of Parametric and Non-parametric• Data Entry and Data Importing into SPSS• Test of Reliability & Test of Normality• Method of writing Review of Literature <p>SPSS Data Define Variable Property, Copy Data property, New Custom Attribute, Define Dates, 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, Data Cleaning</p>	9.00 AM To 6.00 PM (21-01-2024)	Dr. Dharmendra .H

	<p>SPSS Transform 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.</p>		
<p>Day - 2 & Day - 3</p>	<ul style="list-style-type: none"> • One-sample t test • Independent sample t-test, Paired t-test • One-way & Two-way ANOVA • Factorial ANOVA, ANCOVA, MANOVA, MANCOVA • Correlation: Pearson correlation- Partial correlation Multiple Correlation & Rank Correlation • Regression: Simple Regression- Multiple Regression & Logistic regression • Chi-square Test of Goodness of Fit & Independence • Kruskal Wallis Test • Mann-Whitney U Test • Wilcoxon Sign Test, Run Test, Friedman Test 	<p>9.00 AM To 6.00 PM</p> <p>(28-01-2024) & (04-02-2024)</p>	<p>Dr. Dharmendra .H</p>
<p>Day - 4</p>	<ul style="list-style-type: none"> • Factor Analysis • Cluster Analysis, Discriminant Analysis, Hierarchical Clustering, K Means Clustering. Discriminant Analysis • Correspondence Analysis • Multidimensional Scaling (Mapping Tools) • ROC Curve • Conjoint Analysis 	<p>9.00 AM To 6.00 PM</p> <p>(11-02-2024)</p>	<p>Dr. M. Ramakrishnan</p>
<p>Day - 5</p>	<p>Structural Equation Model (SEM) using AMOS</p> <ul style="list-style-type: none"> • Model Fit Summary • Goodness of Fit Index (GFI) • Adjusted Goodness of Fit Index (AGFI) • Normated Fit Index (NFI) • Comparative Fit Index (CFI) • RMR & RMSEA <p>Confirmatory Factor Analysis (CFA) using AMOS based on One Factor</p> <ul style="list-style-type: none"> • Modification Indices • Model Fit Summary • Average Variance Extracted (AVE) • Construct Reliability (CR) • Convergent Validity • Discriminant Validity • Linear Model 	<p>9.00 AM To 6.00 PM</p> <p>(18-02-2024)</p>	<p>Dr. Umasankar. M</p>

Two-time Refreshment: 10.00 am to 10.15 am & 3.30 pm to 3.45 pm; Lunch: 1.00 pm to 2.00 pm

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