DR. N.S.A.M FIRST GRADE COLLEGE

Krishnarajapura, Bengaluru, Karnataka, India.
(Affiliated to Bengaluru Central Univeristy)

In Association with

PRIMAX FOUNDATION

(Reg. No. JNR-S211-2015-16)
Bengaluru, Karnataka, India.

NITTE | DR. N.S.A.M.
EDUCATION TRUST | FIRST GRADE COLLEGE

PRIMAX FOUNDATION
Attitude • Skill • Knowledge

Organising

40 Hrs. - Virtual Workshop on

Research Methodology and Data Analytics

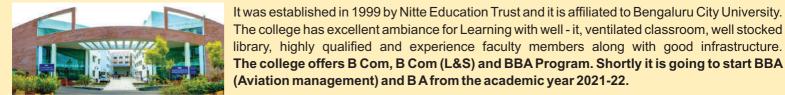**For Registration**
CLICK HERE

Date : 01-08-2021 to 10-08-2021

Time : 5.00 PM to 9.00 PM

Nitte Education Trust

Dr. N.S.A.M First Grade College, is a unit under the umbrella of Nitte Education Trust (R), Mangalore, pioneer in the field of education for the last 41 years. The Trust was established in 1979 and have rich experience in the field of providing quality education it manages 38 institutions in 3 campuses at Mangalore, Bangalore and Nitte (Karkala Taluk).

Dr. N.S.A.M First Grade College

It was established in 1999 by Nitte Education Trust and it is affiliated to Bengaluru City University. The college has excellent ambiance for Learning with well - it, ventilated classroom, well stocked library, highly qualified and experience faculty members along with good infrastructure. **The college offers B Com, B Com (L&S) and BBA Program. Shortly it is going to start BBA (Aviation management) and B A from the academic year 2021-22.**

Primax Foundation

Primax Foundation was established in the year 2015, and it was registered under the Karnataka Societies Reg. Act 1960 with IT exemption 12A & 80G. Primax Foundation is a non-profit organization committed to the quality of the Research & Training program to young generation Faculty Members, Research Scholars & Corporate Data Analyst. The primary aim is to ensure employability & Research development for the Faculties, Research Scholars, Students and mould them to suitably fit into all aspects of academic & corporate requirements.

Workshop Objectives

- To provide knowledge on Research Methodologies and Research Design Aspects.
- To help the participants familiarize themselves with the statistical Concepts & tools with Different statistical software.
- To provide hands-on training on data analysis.
- To Develop new techniques in Research Methodology to improve the quality of research work.

Who can attend?

Faculties, Research Scholars, Corporates & Marketing Analysts & PG Students.
Participants can register irrespective of any subjects.

Important Guidelines

- **Registration fee for Indian Participants Rs.2,500 & Foreign Participants $ 70**
- Plat form: **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.
- Hard Copy of the certificate will be sent to the Participants address through speed post.
- The Certificate will be provided to all the registered participants who attend all the sessions.

Topic to be Covered

Introduction to Research Methodology & SPSS

Introduction to Research

Meaning of Research, Research Process, Identification of Problem, Identification of variables and Construction of Good Questionnaire, Types of Research, Formulation of Hypothesis. Introduction to Statistics, Meaning of Parametric and Non-Parametric, Data organization, Data Scaling & measurement scales -Concept of P value & Procedure for writing Review of Literature.

SPSS Analysis

- Data entry, data manipulation and data cleaning.
- Descriptive & Frequency statistics, Chi-square test, Correspondence Analysis.
- Assumptions checking: Linearity, homogeneity, multi-collinearity and normality.

Population & Sampling

Definition of Population, Universe, Sampling&its Techniques, Calculation of Sample Size through manual and online (Known and Unknown Population)

Basic Data Feeding

What is SPSS - Enter the data into a SPSS (Data View & Variable View)-Importing, Data entry in SPSS-Provide labels for input file & Data Definition-Handling missing data, outliers, in appropriate codes etc.Transform the data into suitable form.

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.

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.

- One Sample t-Test, Independent Sample t-Test, Paired t-Test, One-way ANOVA.
- Factorial ANOVA, ANCOVA, MANOVA, MANCOVA.
- Correlation: Pearson correlation and Partial correlation, Distance Correlation.
- Simple Regression, Multiple Regression,Step-wise Regression.
- Binary Logistic Regression, Multinomial Regression.
- Factor Analysis, Cluster Analysis, Discriminant Analysis, Multidimensional Scaling (Mapping Tools), Hierarchical Clustering Means Clustering.
- Non-Parametric tests (Test for Normality, Mann Whitney U test, Kruskal Wallis test, Wilcoxon test, Friedman Test, Run Test etc.)
- All types of Graphs – Bar Diagram- Pie Diagram- Scatter Dot- Histogram – Box Plot
- Reliability Analysis &Pilot study and reliability checking using Cronbach Alpha.

AMOS

Structural Equation Model (SEM) using AMOS

- Introduction about AMOS (From Basic)
- 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 (CFA) using AMOS based on One Factor

- Modification Indices, Model Fit Summary
- Average Variance Extracted (AVE)
- Construct Reliability (CR)
- Convergent Validity
- Discriminant Validity, Linear Model,
- Compound Model, ARIMA Model

Advance Excel (Mathematical,Statistics & Accounting, Financial Functions)

Mathematical	Statistics		Accounting	Financial
• Addition	• min	• mode	• Depreciation	• PV
• Subtraction	• max	• median	• SLN	• NPV
• Multiplication	• count	• variance	• DB	• NPER
• Division	• countif	• correlation	• SYD	• PMT
• Sumif	• countA	• percentile	• DDB	• RATE
• Averageif	• stdev	• Quartile		• IRR
• Subtotal	• mean	• Rank		• SLN
				• SYD
				• IPMT
				• DB

Resource Persons:

Dr. D. Kumaresan
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Dr. Atul Shiva
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WORKSHOP COORDINATORS

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REGISTRATION FEE

Registration fee for Indian Participants **Rs. 2,500** & Foreign Participants **$ 70** Participants can pay through

G Pay **PhonePe**

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(Note : After the payment, share your screen shot)

Email to: primaxfoundation2015@gmail.com   www.primaxfoundation.com

"Happiness Comes from Giving Happiness"   *All the best*