PUNJABI UNIVERSITY PATIALA

National Workshop

on

RESEARCH METHODOLOGY

5th – 11th April, 2019

(Registration is open from 1st March, 2019 to 29th March, 2019)

Organized by:

School of Management Studies,
Punjabi University,
Patiala

ABOUT US

School of Management Studies (SMS) was established in the year 1969. Our emphasis is to develop professional managers for the corporate sector, who will fasten the nation towards a more prosperous, just and humane society. SMS has a four decades old tradition of imparting management education and had launched MBA programme to bridge gaps in management education in the country. SMS has also signed the MOUs with many foreign universities to keep the level of education upgraded. It is a matter of pride that this School was the first in the country to introduce MBA course through distance learning for senior defence officers and working executives.

ABOUT THE WORKSHOP

Research methodology is dynamic in nature and equips researchers with comprehensive outlook about the research. Research is about searching systematically for solutions to problems for which statistical device is required. The workshop aims to improve research skills and competence amongst the researchers via strengthening their theoretical knowledge as well as by giving them the hand on training with basics of Research Methodology.

Objectives of the Workshop

The primary objective of this workshop is to develop the research and analytical skills among the researchers. It will:

- Enable the participants to define research problems and develop a suitable methodology for addressing the key issues.
- Enable the participants to understand and select appropriate statistical tools in research.
- Provide a platform for presenting the results.

Target Audience

- Research Scholars
- Faculty Members

How to apply

To register for the workshop and for other details, kindly refer to the link:
https://goo.gl/forms/F18gFWPsHzDPiXdF3

Registration Fee

With Accommodation: Rs 6000**

Without Accommodation: Rs 4000*

**Fee include stay (twin sharing basis) along with three meals and daily tea during workshop

*Fee includes daily lunch & tea during workshop

Note

➢ Total number of seats are limited to 50.
➢ Selection will be on First Come First Serve Basis.
➢ A certificate of participation will be issued for attending the workshop.
➢ Full attendance is mandatory on this part. Candidates are requested to bring their own laptops along with them.
➢ No laptops/PCs will be provided by the organizers.

Days	Session I 9:00 to 11:00	Tea Break	Session II 11:15 to 01:00	Lunch Break	Session III 02:00 to 03:30	Session IV 03:30 to 05:00
05-04-2019	Registration and Welcome Session		Fundamentals of Research		Identification, structure and procedure of research problem	**Handshake with SPSS:** Type of variables, Master chart, data entry, importing exporting files from/to other software's, Copy, Saving and Moving Data. **Preparation of Data Files**: Defining Variables – Variables Labels, Value Labels, Missing Values, Variable Types, Column Format, Measurement Level; Data Entry, Inserting and Deleting Cases and Variables, Moving Variables
06-04-2019	**Data Screening:** insert variables, insert cases, value labels, sort, split cases, select cases, data editing, Random Number Generation Compute Variables, Data Recoding, Missing Values, Outliers, Improper Coding, Category Merging, Compute etc.		**Data & Variable Transformation**: Errors in data entry; Accessing Normality;		**Introduction to Descriptive Statistics :** Frequency Distribution, Measurement of Central Tendency and Variability, Univariate, Bivariate, Multivariate, Cross Tabulation	**Review of Literature:** Conceptual framework & theoretical foundation of research problem, Research questions, Statement of research objectives, Hypothesis development
07-04-2019	**Hypothesis Testing – I** Parametric Test		Selection of appropriate test & Designing and Development of Questionnaire		**Hypothesis Testing – II** Non Parametric Test	Reliability and Validity of Measurement and Data
08-04-2019	Independent ANOVA		Repeated Measure ANOVA		Factorial ANOVA	Analysis of Covariance ANCOVA
09-04-2019	**Relational analysis:** Correlation, Partial & multiple correlation, auto-correlation		**Introduction to Regression:** Some important information about Straight line, Methods of Least Square, Goodness of Fit, R and R^2 Assessing Individual Predictors		**Multiple Regression:** The Basic Sums of Squares, R and R^2, Methods of regression, Testing the accuracy of regression model, Interpretation of Multiple Regression	**Multivariate Regression**
10-04-2019	Factor Analysis		Factor Analysis		Factor Analysis	Factor Analysis
11-04-2019	Writing Academic Research Proposal and Paper		Plagiarism		Valedictory	Valedictory

Organizing Committee

WORKSHOP CHAIR

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Dr. P.S. Gill	Dr. B. B. Singla	Dr. Sahil Raj
Dr. G.S. Batra	Dr. Dheeraj Sharma	Dr. Sandeep Virdi
Dr. Gurcharan Singh	Dr. Harpreet Singh	Dr. Satinder Kumar
Dr. Navjot Kaur	Dr. Liaquat Ali	Dr. Shavina Goyal
Dr. Amar Inder Singh	Dr. Parneet Kaur	Mr. Sumrinder Singh Sira
ASSISTANT PROFESSORS	Dr. Rajwinder Singh	Dr. Vikas Singla
Dr. Amanpreet Singh	Dr. Raminder Kaur Sira	
Dr. Apar Singh	Dr. Ratinder Kaur	
Ms. Azizinder Sekhon		