



# Teaching Learning Centre Ramanujan College (University of Delhi)

Under the Aegis of  
**Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching**  
*Ministry of Education*  
In association with  
*Indian Accounting Association, NCR Chapter*  
Organises

## Two Week Interdisciplinary Refresher Course On **Research Methodology and Data Analysis**

**28<sup>th</sup> July – 09<sup>th</sup> August, 2023**



### Highlights of the course:

- Beneficial for CAS
- No NOC Required
- Graded E-Certificates (Block chain ) acceptable for all discipline
- Designed for Candidates from all discipline
- Blended Course using LMS and Live sessions

# RESEARCH METHODOLOGY AND DATA ANALYSIS

*Research Methodology is the way to solve a research problem in a systematic manner. Researchers need to know various ways in which they can approach the collection of evidence (data) and its analysis. They must understand different tools and techniques available within the spectrum of each approach. It will enable them to take an appropriate decision regarding use of the methods or techniques relevant for their research.*

*Comprehensive knowledge about statistical techniques is important to achieve success especially for an academician, or researchers dealing with primary or secondary data. In this Refresher Course comprehensive statistical orientation on all fundamental concepts using live examples will be provided. An effort will be made to train the participants and enable them to analyze data using advanced multivariate tools such as regression, cluster analysis as well as factor analysis using popular statistical software.*

*The purpose of the Refresher Course is to develop participants into competent and confident users of statistical software. The instructional tools include a step-by-step approach to discuss various applications of SPSS, AMOS and E-views. The present Refresher Course is designed to cater to the needs of academicians, researchers, and industry professionals for a sound understanding of research design and use of related software for data analysis.*

## CONCEPT NOTE

*This Online Refresher Course is diligently planned around developing the foundation knowledge needed to step into the arena of research. The programme is an effort towards exploring different dimensions and paradigms of research methodology. The modules intend to enhance the ability of the participants to undertake independent research in a planned manner. The participants will be trained to use several open source tools that are useful in accomplishing their research outcomes.*

*The Course content is designed to disseminate knowledge of some of the important digital tools used for academic purposes. The modules would be an amalgamation of the much needed digital skills which can play a significant role throughout the research process. The course content will help develop a detailed understanding of basic concepts, techniques and tools associated with performing quantitative and qualitative data analysis. The aim is to provide balance mix of the theoretical concepts and hands on experience in order to develop an understanding for relevant application for research.*

## THEMATICS

- An Introduction to Research, Research and Data Types Research Process
- Hypothesis Testing, Model Building and Gaps in Model
- Scale Development, Types of Constructs
- Various Measurement & Data Analysis
- Framing of Research Questions and Research Objectives
- Data Entry, Data Cleaning and Data Handling Operations in SPSS
- Questionnaire Designing
- Statistical and Regression Analysis using SPSS
- Uni- variate Analysis and Bi-variate Analysis
- Introduction qualitative analysis using N Vivo and Orange
- Introduction to Event Study Methodology
- Bibliometric Analysis, Meta-Analysis, Meta-SEM
- Introduction to Systematic Literature Review-Variou frameworks

## **WHO SHOULD ATTEND**

*The Refresher Course is an interdisciplinary course open to Faculty members (regular/ad- hoc/temporary) from any National or International University/College and scholars pursuing research in different areas of study.*

*The Course is also important and useful for participants seeking promotions under the 7th CPC from AL 10 to AL 11, AL 11 to AL 12 and AL 12 to AL 13.*

## **LEARNING OUTCOME**

*After successful completion of the programme, the participants will be able to:*

- *Gain understanding of Research and its implications in decision making process.*
- *Use quantitative tools for the purpose of analysis of data.*
- *Develop clarity for different Qualitative Research models.*
- *Create structural and measurement models.*
- *Get hands-on training in some of the tools that shall be useful in Research.*
- *Determine the reliability and validity of the constructs*

## RESOURCE PERSONS

*The resource persons include eminent experts in the area of Research Methodology and Statistical Tools from all over India. Some of them are:*



Prof. C.P. Gupta  
Former Head & Dean, Faculty of Commerce & Business  
Senior Professor, Department of Financial Studies,  
South Campus, University of Delhi



Dr. Neeraj Kaushik,  
Associate Professor,  
Department of Business Administration,  
National Institute of Technology, Kurukshetra



Prof. Bhakkar  
Vice Chancellor,  
ITM University, Gwalior,  
Madhya Pradesh, India



Dr. Narain  
Associate Professor,  
Faculty of Management Studies,  
University of Delhi

## REGISTRATION

### **ELIGIBILITY**

*Faculty members (regular/adhoc/temporary) in teaching profession and research scholars are eligible to apply for this Programme.*

- **Registration is mandatory for all the participants of the Course.**
- **All those who meet the eligibility criterion are required to register and pay a Non-Refundable fee of INR 1450/- by visiting [rcmoocs.in](http://rcmoocs.in)**
- **Limited seats, admission on first – come, first- serve basis.**

### **REGISTRATION DEADLINE: 27 July 2023**

*After successful registration & payment, the participants will receive a confirmation via email. Please keep checking the spam folder of the email as the bulk email sent may end up in the spam folder. An official group has been made for communication with the participants on "Telegram." You are therefore requested to install the Telegram App either from the Play Store or App Store. The link to join the official group will be provided in the confirmation mail.*

**IMPORTANT**

- Registration is mandatory for participation.
- Attempting and submitting all the quizzes and assignments is mandatory, and each participant should score atleast 50% aggregate to be eligible for the completion certificate.
- Graded certificates on the basis of performance will be awarded to the participants.
- As part of the Ministry of Education's requirement under the PMMMNMTT scheme, all participants need to submit online feedback for each session.
- **No Objection Certificate (NOC) or Leave is NOT REQUIRED to participate in the Programme. However, participants are expected to inform their authorities about their participation.**
- Failing to meet any of the above conditions will result in the denial of completion certificate.

**ADVISORY COUNCIL & ORGANISING COMMITTEE**



Prof. Nageshwar Rao  
Vice Chancellor,  
IGNOU.



Prof. I. M. Pandey  
Former Dean and  
Offg. Director, IIM Ahmedabad



CA (Dr.) Girish Ahuja  
National Tax Guru of  
Direct Taxes,  
Former Faculty, SRCC, D.U.



CA (Dr.) Sanjeev Singhal  
President, IAA, NCR Chapter,  
Central Council Member,  
ICAI



Prof. S.P. Aggarwal  
Director, TLC and Principal,  
Ramanujan College,  
University of Delhi



Dr. J.L. Gupta  
Program Director,  
Member, University Court,  
University of Delhi,  
Secretary, IAA NCR Chapter



Dr. Rekha Dayal  
Program Convener  
Vice President,  
IAA, NCR Chapter  
Associate Professor, JMC, DU



Dr. Anjali Gupta  
Organizing Secretary  
Joint Secretary,  
IAA, NCR Chapter  
Associate Professor, ARSD, D.U.

**For Details E-mail & contact:**

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