



**MINISTRY OF EDUCATION
PANDIT MADAN MOHAN MALAVIYA
NATIONAL MISSION ON TEACHERS AND TEACHING**

**TEACHING LEARNING CENTRE
RAMANUJAN COLLEGE
(UNIVERSITY OF DELHI)**

ANNOUNCES

**ONLINE TWO WEEK FACULTY DEVELOPMENT PROGRAMME
ON
RESEARCH METHODOLOGY: A LEARNING JOURNEY FROM BIVARIATE
TECHNIQUES TO MULTIVARIATE TECHNIQUES
(10TH DECEMBER TO 23RD DECEMBER, 2020)**

CALL FOR REGISTRATION AND PARTICIPATION



**Organized
By
Department of Commerce,
Ramanujan College,
(Accredited Grade 'A' by NAAC)
University of Delhi**

**ONLINE TWO WEEK FACULTY DEVELOPMENT PROGRAMME
ON
RESEARCH METHODOLOGY: A LEARNING JOURNEY FROM BIVARIATE
TECHNIQUES TO MULTIVARIATE TECHNIQUES
(10TH DECEMBER TO 23RD DECEMBER, 2020)**

PMMMMNTT SCHEME OF MOE & TEACHING LEARNING CENTRES (TLCs)

The Ministry of Education (MOE) launched the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMMNTT) in 2017. One of the main objectives of this mission is to facilitate teacher training by constituting Teaching Learning Centers in various institutions of higher education in our country. The Teaching Learning Centers (TLCs) are mandated to promote on a continuous basis the learning of new pedagogical practices, methodology of forming discipline-specific curricula and creating new learning materials (including e-content) for use by the teachers in colleges and postgraduate departments. It is envisioned that the TLCs will accelerate the teaching-learning process by encouraging independent critical and creative thinking and facilitating research for subject-specific growth.

The TLCs will assist the faculty in capacity building for curriculum designing, scientific assessment and evaluation and the development of innovative academic programs to strengthen the inclusive nature of higher education. The TLCs are also encouraged to reach out to teachers teaching in regionally disadvantaged locations.

The Pandit Madan Mohan Malaviya National Mission emphasizes the need to change the role and workings of a teacher from a mere disseminator of information and knowledge to the one who helps students to develop critical, analytical skills, capabilities to generate information, the ability to reason and to empower themselves through open sources and globally oriented digitalized self-learning processes. The focus is not only on 'what is taught' but also importantly, to 'the way it is taught', in an effort to develop and enhance individual education, that will eventually go on to define the manner in which the future generations will work and live.

The Teaching Learning Centers offer Faculty Induction Programs (FIPs) for newly recruited faculty and Faculty Development Programs (FDPs) for teachers with experience who wish to update their field of knowledge, expertise and skill with the latest available research, resources and technology. In the FDPs, special emphasis is given to inter and cross-disciplinary methodologies of study.

The Teaching Learning Centre at Ramanujan College, University of Delhi offers a **Two Week FDP on “Research Methodology : A Learning Journey from Bivariate Techniques to Multivariate Techniques”** for research scholars and teachers of higher education in the country from **10th December – 23rd December, 2020**, Organized by Department of Commerce, Ramanujan College, University of Delhi.

RAMANUJAN COLLEGE

Ramanujan College is University of Delhi College located in the well-known area of Kalkaji, near Nehru Place in South Delhi. Ramanujan College has highly qualified, dedicated and committed faculty members. The college runs fifteen courses in different subjects in Humanities, Commerce and Science streams. It is also the study centre for the students of the School of Open Learning, University of Delhi, the Non- Collegiate Women's Education Board, University of Delhi and the Indira Gandhi National Open University.



Ramanujan College has also been selected by MHRD as a National Resource Centre. The College also runs a number of professional courses. The teachers of Ramanujan College are highly motivated and have original, published academic and creative work, including journal and other print media articles and educational film making to their credit. Ramanujan College is a premier institution of the University of Delhi and has been accredited grade "A" by the National Assessment and Accreditation Council (NAAC). The college has also been ranked 26th in the National Institute Ranking Framework (NIRF 2018).

We at Ramanujan College emphasize on the holistic development of personality, meaningful exposure to real world, and inculcating practical skills amongst our students apart from ensuring academic excellence

ENRICHMENT SPECTRUM AT THE TEACHING LEARNING CENTRE (TLC), RAMANUJAN COLLEGE

- ✚ TLC, Ramanujan College is equipped with a modern state of art auditorium, conference rooms and ICT enabled class rooms.
- ✚ Emphasis to create self-learning space for students
- ✚ Hands-on assignments and live projects
- ✚ Expert guidance on live projects
- ✚ Follow-up tasks
- ✚ Provision of study content (wherever required)
- ✚ Developing appropriate attitudinal orientation
- ✚ Learning experience for personality enrichment
- ✚ Augmentation of professional capabilities
- ✚ Co-creation and mutual contribution between participants and facilitators
- ✚ Access to global resources
- ✚ Adaptation skills for the dynamic contemporary environment.



CONCEPT NOTE

The scholarly and research spaces are ever advancing and with the introduction of New Educational Policy, 2019, the pool of academicians and researchers are liable to address and adapt up to the difficulties of these developing viewpoints. Research Methodologies are likewise continually being redesigned with new innovations and software being presented. The area of Social Science is seeing changes in the ways to deal with Quantitative Research Methods. Thus, it is strongly believed that, research and development have become an essential component, not only in academic institutions but in industries as well. Thus, a Faculty Development Programme on research methodology would be valuable.

This Two week FDP focus around the wide parts of Quantitative Research Methods with regards to Social Science discipline. The FDP doesn't expect to limit itself to the hypothetical domains of quantitative research. The purpose of this FDP is to enable participants to understand the data, different test and techniques and effectively apply in their research along with reporting of research outcome with the utilization of SPSS and Jamovi (open source software). The present FDP is designed in a manner to provide a complete package of important quantitative research methodologies. It is a learning journey from bivariate techniques to multivariate techniques in social science research.

OBJECTIVES OF THE FDP

- ✚ To explain the important aspects of Research Methodology.
- ✚ To gain intense knowledge about different data, test, techniques and their analysis in social science research.
- ✚ To gain experience of hands on session on different open source software of data analysis.
- ✚ To get acquainted with how to report the results of analysis.
- ✚ To improve writing of research paper & understand the publishing process.



- ✚ Basics of Research, Types of Research, Research Process, Types of Variables, Types of Data, Sources of Data.
- ✚ Level Of Measurement and Hypothesis Testing with Jamovi.
- ✚ Normality of Data & Outlier and Parametric Test with Jamovi.
- ✚ Objective Wise analysis and Non Parametric Test with Jamovi.
- ✚ Correlation, Simple Regression, Multiple Regression & Linear Discriminant analysis with SPSS.
- ✚ Introduction to mediation analysis, Testing simple mediation models with (Process Macro & SPSS).
- ✚ Introduction to moderation analysis, Testing moderation models with (Process Macro & SPSS).
- ✚ Cluster Analysis with SPSS.
- ✚ Logistic Regression with SPSS.
- ✚ Exploratory Factor Analysis- Principle Component Analysis with SPSS.
- ✚ Confirmatory Factor Analysis with Jamovi.
- ✚ Academic writing and Paper publication.

EXPECTED OUTCOMES

After successful completion of the online program, the participants will be able to:

- ✚ Improve their quality of research.
- ✚ Write effective research papers and thesis.
- ✚ Effectively analyze their data and report their research outcomes.
- ✚ Understand which test or techniques can be used according to their objective.
- ✚ Use open source software in their research work.

ELIGIBILITY

- The FDP is open to faculty members (regular/permanent/ad-hoc/contractual/guest) from any Indian university/college and registered Ph. D research scholars. **The FDP is 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.**
- **Limited Seats Available & Seats will be reserved on First Come First Serve Basis Only.**

DETAILS OF REGISTRATION FEES

**For All the Participants Fees is: Rs. 850(Non- Refundable)
(Last Date of Registration & Payment: 8th December, 2020)**

PAYMENT DETAILS

- ✚ **There are two alternatives for Payment (Either Opt for the First Option or Second Option). Don't apply both the options simultaneously.**
- ✚ **First Alternative :** You can opt for making the required payment & register yourself using our payment gateway. Link for which is given below :

<https://eazypay.icicibank.com/eazypayLink?P1=1WzDX8jIhefQB6mpCter6Q==>

- ✚ After making the payment you are supposed to register yourself by browsing the following link the screenshot of payment receipt should be uploaded while filling the registration form :
<https://forms.gle/Dr3kGyZHQvKGG9xZ8>

OR

- ✚ **Second Alternative** : If the first Alternative doesn't suit, then you can opt to pay through NEFT/UPI Mode to the Account Number given below:

Bank : ICICI BANK

Name : PRINCIPAL RAMANUJAN COLLEGE

Branch: CR PARK Branch, New Delhi- 19

Account Number: 072001003912

IFSC CODE: ICIC0000720

- ✚ After making the payment you are supposed to register yourself by browsing the following link & the screenshot of payment receipt should be uploaded while filling the registration form.: <https://forms.gle/Dr3kGyZHQvKGG9xZ8>
- ✚ Kindly check all your credentials properly before final submission.
- ✚ Both Registration & Payment is Mandatory to confirm your participation in this FDP.
- ✚ After successful registration & payment, the participants will receive a confirmation via email. If you don't find the email in your inbox, kindly check your spam folder as well.

FDP RULES

- ✚ As this FDP is being organized under the prestigious PMMMNMTT scheme of MoE, Teaching Learning Centre give prime importance to willing and serious participants who are eager to learn. In this context, it should be noted that the certificates will be awarded to only those participants who will be present online and engaged during each session of the FDP.
- ✚ **Attempting and submitting the quiz is mandatory, and each participant should score a minimum of 40% or above in total to avail of the programme completion certificate.**
- ✚ As part of the MoE requirement under the PMMMNMTT scheme, all participants need to **submit online feedback for each session.**
- ✚ As a part of the FDP, An Official Telegram Channel will be created & It is mandatory for every participant to join the telegram group as all the important instructions will be conveyed both in channel & via email. **(Link for the channel will be shared in the confirmation email only).**
- ✚ **Fees Should be paid well within prescribed last date which is till 8th December, 2020. If anyone makes the payment after last date mentioned in the brochure, No Refund will be granted.**
- ✚ **There will be Live Sessions each day on Zoom App (FDP will be completely through online mode)**
- ✚ **Please note that uploading of the screenshot of payment receipt is mandatory while registering on Google form. Merely sending screenshots on email won't be considered.**
- ✚ **Participants are required to Pre Install SPSS Software & Jamovi Software for the FDP in Advance.**

TEACHING LEARNING CENTRE, RAMANUJAN COLLEGE

DIRECTOR
DR. S. P. AGGARWAL (PRINCIPAL)

ASSISTANT DIRECTORS

DR. SUMIT NAGPAL, Assistant Professor, Department of Mathematics
DR. NIKHIL RAJPUT, Assistant Professor, Department of Computer Science
DR. VIBHASH KUMAR, Assistant Professor, Department of Commerce and
Management Studies

ORGANISING BOARD

CONVENOR

Dr. Kanwal Jeet Singh, Assistant Professor, Department of Commerce

CO-CONVENOR

Dr. Nagender Pal, TIC & Assistant Professor, Department of Commerce

ORGANISING SECRETARY

Mr. Pankaj Gupta, Assistant Professor, Department of Commerce
**Dr. Aanchal Singh, Assistant Professor, Department of Management
Studies**

ORGANISING MEMBERS

**Mr. V. Gunasekaran, Assistant Professor, Department of Political
Science**

Dr. Rajiv Nayan, Assistant Professor, Department of Commerce
Ms. Parul Saini, Assistant Professor, Department of Commerce

TECHNICAL CO-ORDINATOR

Mr. Ravinder Singh Bisht, Assistant, IT, Ramanujan College

CO-ORDINATORS

Mr. Akhil Raj
Assistant, TLC
Ramanujan College

Mr. Prashant
Assistant, TLC
Ramanujan College

Ramanujan College
(Accredited Grade 'A' by NAAC)
University of Delhi
H Block, Kalkaji, New Delhi - 110019
Ph: +91-11-26430192

Email: Rsm20@ramanujan.du.ac.in

Website: tlcramanujan.in/ramanujacollege.ac.in

For more information contact : **Mr. Pankaj Gupta (9911657628)**
Dr. Kanwal Jeet Singh (9818038128)
Dr. Rajiv Nayan (9868342405)
Mr. V. Gunasekaran (9717025490)

Feel Free to Email us @ Rsm20@ramanujan.du.ac.in