



MINISTRY OF HUMAN RESOURCE DEVELOPMENT
PANDIT MADAN MOHAN MALAVIYA
NATIONAL MISSION ON TEACHERS AND TEACHING



Government of India
Ministry of Human Resource
Development

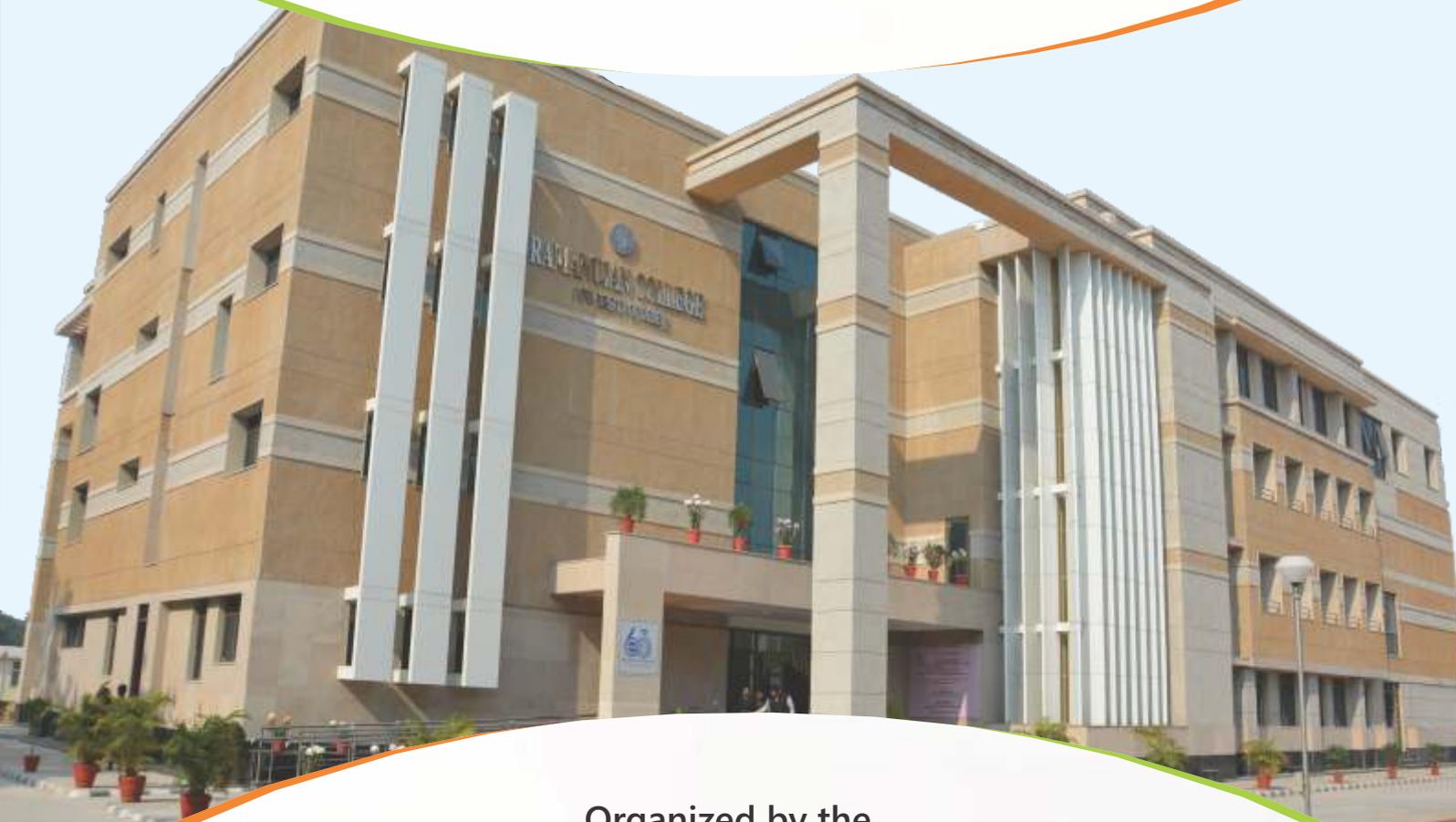
**TEACHING LEARNING CENTRE
RAMANUJAN COLLEGE**

(UNIVERSITY OF DELHI)

TWO WEEK WORKSHOP ON RESEARCH METHODOLOGY AND RESEARCH TOOLS

3RD OCTOBER - 13TH OCTOBER 2018

CALL FOR REGISTRATION AND PARTICIPATION



Organized by the

Teaching Learning Centre
Ramanujan College
(Accredited Grade 'A' by NAAC)
University of Delhi

TWO WEEK WORKSHOP

RESEARCH METHODOLOGY AND RESEARCH TOOLS

3– 13 OCTOBER 2018

The Ministry of Human Resource Development (MHRD) launched the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) in 2017. One of the main objectives of this mission is to facilitate teacher training by constituting Teaching Learning Centres in various institutions of higher education in our country. The Teaching Learning Centres (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 programmes to strengthen the inclusive nature of higher education. The TLCs are also encouraged to reach out to teachers teaching in regionally disadvantaged locations to enhance their research capabilities.

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 advances frontiers of existing knowledge by actively developing and creating new insights into diverse social and physical phenomena. At the same time she must assume the role of a mentor and guide 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.

ABOUT THE WORKSHOP

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. Also, they must understand different tools and techniques available within the spectrum of each approach so that they may make a correct decision regarding which of these methods or techniques, are relevant and which are not and what they mean and indicate and why.

The scope of research methodology is wider than that of research methods. Thus, when we talk of research methodology we not only talk of the research methods but also the logic behind them. The researcher must explain the rationale for using specific methods or techniques and establish their relevance apart from addressing questions like why a research study has been undertaken, how the research problem has been defined, in what way and why the hypothesis has been formulated, what data have been collected and what particular method has been adopted, why particular technique of analysing data has been used and a host of similar other questions while presenting the fruits of his labour to the society. Methodology may be understood as a science of studying how research should be carried out so that the work meets the norms of scientific inquiry and findings are received as genuine addition to what scientific community considers 'acceptable' knowledge. Each discipline within the social or physical sciences is informed by its research paradigms and each paradigm is associated with attendant methodologies. Methodology, thus, refers to the rationale and the philosophical assumptions that underlie any natural, social or human science study. Considering the

importance of the theme, Teaching Learning Centre, Ramanujan College is going to organise a Two Week Workshop on 'Research Methodology and Research Tools' during 3-13 October 2018 at Ramanujan College under the aegis of the Ministry of Human Resource Development. The focus of the Workshop will be on statistical tools for quantitative research.

The structure of the Workshop will have a composite blend of interactive lectures and hands-on training in the research methods. Emphasis will be on building concepts with the requisite rigour and analysis of research data. Participants will be provided with the relevant data sets for the purpose of analysis in order to facilitate experiential learning. It needs to be emphasized that the workshop will meet an important end of providing participant centered discussion of quantitative tools for analyzing qualitative data.

The key deliverables for the participants would be gaining knowledge on Research Methodology, Assumptions of Regression Analysis, Multiple Regression, Item Analysis, Financial Econometrics, Panel Data Analysis, Exploratory Factor Analysis (EFA), Confirmatory Factor Analysis (CFA), and Structure Equation Modelling (SEM).

OBJECTIVES

- To provide conceptual understanding for research outcomes with lucid examples
- To aid an understanding of advances in research methods in the field of Commerce and Management
- To impart capabilities for formulation and testing of hypothesis based on the nature of research
- To comprehend appropriateness of statistical software packages for analysing research data
- To develop an understanding for relevant applications of Multivariate Statistics in conducting research

Note: As per the UGC Notification dated 18th July, 2018 for CAS promotion scheme for College/University teachers moving from Scale 11 to 12, Scale 12 to 13 at Assistant Professor Level at College/University Level as well Entry Level for Assistant Professor, attending a Research Methodology Workshop of 10 working days (Two Week) among other requirements, will be considered as meeting minimum eligibility for the above purpose. (Refer Page 81 onward for further information).

ABOUT THE COLLEGE

Ramanujan College is a 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 15 courses in different subjects in Humanities, Commerce and Science streams. The college also conducts 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 been ranked at 26th position as per NIRF ranking for 2017-18. We at Ramanujan College emphasize on the holistic development of personality, meaningful exposure to real world, and inculcating practical skills amongst our students while ensuring academic excellence.

Content of the Workshop

Sl. No.	Contents to be Delivered
1.	Analytical Tools for Causal Research – One-Way ANOVA
2.	Analytical Tools for Causal Research – Regression Analysis
3.	Assumptions of Regression Analysis
4.	Financial Econometrics
5.	Panel Data Analysis
6.	Instrument Development & Item Analysis
7.	Exploratory Factor Analysis
8.	Confirmatory Factor Analysis
9.	Structural Equation Modelling

Note: All the topics will also have hands-on session

ABOUT THE RESOURCE PERSONS:

Dr. C. S. SHARMA

Dr. C. S. Sharma is a distinguished educator with broad experience in India and overseas in teaching, program development (including enriched digital content), institution building, financial performance and business development. Author of eleven books and forty-one research papers, with publications on topics like Fuzzy Financial Ratios, Mergers and Acquisitions, Servant Leadership, Spirituality and Green Purchasing Intentions, Default Probability, Trust etc. he has acted in a consultative capacity to corporations, renowned institutions of higher learning, and is a sought-after speaker notably in research methodology, human behaviour and finance. Currently, engaged in teaching at SRCC, earlier he was Director at Maharaja Agrasen Institute of Management Studies and JRE Group of Institutions. He has conducted numerous workshops and training programmes at Institutions like Punjab Police Academy, Ramanujan College-DU, NHPC, TISS-Mumbai, CPDHE-Delhi University, Academic staff College Guru Jambheshwar University, MDU Rohtak, Manav Rachna University, National Academy for Training & Research in Social Security, Govt. of India etc.

Prof. SANJAY RASTOGI

Prof. Rastogi is presently working as Professor in Indian Institute of Foreign Trade, New Delhi. He has been teaching Business Statistics, Research Methods, and Advanced Research Methods to MBA (Full Time & Part Time) students since January, 2009. He has also been associated as Adjunct Faculty with prestigious institutions viz., IIM Lucknow, IMT Ghaziabad, MDI Gurgaon and MANAGE Hyderabad. He has 24 years of teaching experience in Statistics and Decision Sciences. He has been awarded with “Young Scientists Award” by the Indian Science Congress Association in the field of 'Statistics' at the 88th Indian Science Congress, held at New Delhi, in January 2001.

He has undertaken international assignments in IIFT Rawanda, Uganda, Kenya, Tanzania, Madagascar & Botswana where he has conducted sessions on Techniques of International

Trade & Business Forecast. He has also been associated as Adjunct Faculty Institute of Finance Management, Dar-es-salam, Tanzania.

He has to his credit a total 23 research papers in National and International Journals. He has also co-authored a text book on “Statistics For Management” with Richard Levin, David Rubin, and M. Siddiqui which is a Pearson Publication.

He has delivered a number of talks and conducted faculty development programmes as resource person on Analytical techniques in Business research across India.

Dr. VIBHASH KUMAR

Dr. Vibhash Kumar is currently working as Assistant Professor in Ramanujan College, University of Delhi. Dr. Kumar is a learned scholar with his PhD in Organisational Behaviour and Human Resource Management (OB-HR). He has presented research papers in national and international conferences in India and abroad and has also published 11 research articles in refereed journals. He has won Best Paper Awards for his research papers in national and international conferences. Dr. Kumar is in the editorial board and review board of some reputed Inderscience journals. Dr. Kumar has seven years teaching and research experience in the field of OB-HR, Research Methodology, International Business, Business Ethics and Entrepreneurship.

He has also contributed as author for the Institute of Life Long Learning under its Virtual Learning Platforms; E-PG Pathshala sponsored by Ministry of HRD, Govt. of India for developing post-graduate teaching material, and National Mission on Education (NME) project sanctioned by the Ministry of HRD etc. He has also authored books on 'Entrepreneurship' and 'Organisational Behaviour'. Dr. Kumar has conducted some faculty development programmes & workshops on Research Methodology, Hands on Sessions in SPSS & AMOS, and Academic Writing.

Mr. ARNAV KUMAR

Mr. Arnav Kumar is currently an Assistant Professor in the Department of Management Studies at the Ramanujan College and Faculty Advisor of ENACTUS Ramanujan. He has done his post graduation with distinction and specialisation in Finance from Delhi School of Economics, Delhi University and is currently pursuing Ph. D. in Finance. Starting his teaching career from the Teachers Day in 2013, he has had a rich teaching experience of over 5 Years of teaching MBA, PGDM, BBA, B. Com. (Hons.) & BMS Students in areas of Finance, Investments, Statistics, Research Methods etc.

A vivid researcher, he has 16 Research Papers published in National and International Journals of repute and has presented papers in about a dozen Conferences/Seminars. He has received 7 Best Paper and Presentation Awards at different National and International Conferences and his papers have been in the Top 10 list and he has been amongst the Top Authors on the world's largest open source research platform - the Social Science Research Network (SSRN) more than 20 times in just past 2 years. He has also provided consultancy for Major research projects of University Grants Commission, Indian Council of Social Science Research (ICSSR) and Delhi University.

He has undertaken several short-term courses, training programs and workshops as a resource person in Institutions and B-Schools.

VENUE

Ramanujan College, University of Delhi, Kalkaji, New Delhi -110019

The college is located near the well known commercial hub of Nehru Place and the residential areas of Chittaranjan Park, Kalkaji and Greater Kailash. It is well connected with public transport and the Delhi metro, nearest metro station being Nehru Place Metro Station on the Violet Line. The Teaching Learning Centre at Ramanujan College is equipped with a modern state of art auditorium, conference rooms and ICT enabled class rooms.

REGISTRATION DETAILS

ELIGIBILITY

Faculty Members & Research Scholars are eligible to apply for this “Two Week Workshop”.

- All the participants are requested to register online on or before 30th August, 2018 by browsing the following link: <https://goo.gl/forms/Zw3Tn5TDUbQSRikJ3>
- Registration of all the participants is mandatory. Only limited seats are available. Selected participants will be intimated through e-mail by September 5, 2018.
- Selected participants will then pay the requisite fees through NEFT (details mentioned in the payment details section) by September 10, 2018; subsequently selected participants who have paid the fees will be e-mailed about their final selection in the workshop.
- TLC Ramanujan College will provide the participants with the travel expenses (Air fare or 2-AC train travel, whichever is cheaper).
- Boarding/lodging facility will be provided on request on twin sharing basis from October 3, 2018 to October 13, 2018.
- For further queries, please mail on: tlc@ramanujan.du.ac.in

Registration Details

Further:

1. The Workshop begins on October 3, 2018. The duration of the workshop per day is of eight hours with breaks for tea and lunch. Details of programme and the timings will be sent to participants.
2. As the Workshop is being organised under the prestigious PMMMNMTT scheme of MHRD, we at TLC, Ramanujan College give prime importance to willing and serious participants who are eager to learn. In this context, it should be noted that certificates will be awarded to only those participants who will be present and engaged during each session of the workshop. Therefore, it is compulsory for participants to attend all sessions in order to receive certificate of participation.
3. Attendance will be taken at any time and any number of times during the sessions.
4. Participants are requested to be punctual for all the sessions and strictly adhere to the date and time for all submissions.

5. All participants have to send in online feedback for each session.
6. Participants will share the responsibility of writing reviews of each session.
7. Please bring your own laptop for the hands-on session for the entire duration of the workshop.
8. Bring your valid ID card for confirmation and record of identity at the hotel.
9. Bring the printout of the payment receipt to be deposited with the registration desk on the first day of the Workshop.
10. Those participants travelling by air should carry the printed tickets and boarding passes for the inward journey and mail us through courier or post the boarding pass for onward journey, failing which the reimbursement may not be done. Those participants coming by train should produce the print out of the ticket (inward & onward) journey to the workshop team for smooth reimbursement. Local conveyance will not be paid.

DETAILS OF WORKSHOP FEES

For Participants Seeking Accommodation: ₹ 5000/- (Non-refundable)

For Other Participants: ₹ 3000/- (Non-refundable)

PAYMENT DETAILS

Process:

First step: Participants will fill up the online application form with all required details and within the final date of submission (30th August 2018). Late applications will not be entertained.

Second Step: Once the participant receives a confirmation of acceptance of application, the participant will make online Payment of the Registration Fee by 10th September 2018 through NEFT to the following account:

Online Payment of the Registration Fee through NEFT to the following account:

Account Name: Principal, Ramanujan College

Account Number: 0156000100585618

Bank & Branch: Punjab National Bank, Kalkaji

IFSC: PUNB0015600

MICR Code: 110024052

Outstation participants are at this stage advised to make travel arrangements.

Third Step: On receipt of payment of registration fees by the College, the participant will receive a final confirmation and invitation letter.

Note: The workshop fee is non-refundable.

FOR MORE INFORMATION

E-MAIL US AT tlc@ramanujan.du.ac.in

WORKSHOP ORGANISING TEAM

DR. K. LATHA (Director)

Dr. VIBHASH KUMAR (Convenor)

Mr. ARNAV KUMAR (Co-convenor)

Ms. PARUL YADAY (Organising Secretary)

Ms. RUCHIKA BAL (Member)

Ms. CHARU JAIN (Member)

FOR MORE INFORMATION CONTACT

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DIRECTOR, TLC

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

Teaching Learning Centre

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