TEACHING LEARNING CENTRE
RAMANUJAN COLLEGE
(Accredited Grade 'A++' by NAAC)
UNIVERSITY OF DELHI

in collaboration with

NEWMAN COLLEGE
(Re-accredited Grade 'A' by NAAC)
THODUPUZHA, KERALA AFFILIATED TO MG UNIVERSITY

under the aegis of

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

is organising an

ONLINE TWO-WEEK INTER-DISCIPLINARY REFRESHER COURSE

Advanced Research Methodology

21 June - 05 July 2022

Publish

Analyze Data

idea

Manage Data

Research Process

Find Collaborators

Experiment & Observe

Call for Registration & Participation

RAMANUJAN COLLEGE

Ramanujan College, a constituent College of the University of Delhi was established in 1958 as an evening college. The College has been accredited Grade "A++" by the National Assessment and Accreditation Council (NAAC) in its Second Cycle.

At present, Ramanujan College offers sixteen undergraduate programmes in different disciplines. Besides this, the college has been awarded the DDU KAUSHAL (Deen Dayal Upadhyay - Knowledge Acquisition and Upgradation of Skilled Human Abilities and Livelihood) Kendra (2016) by UGC and Teaching Learning Centre (2017) by Ministry of Education. The College also offers short-term diploma, certificate, and executive development programmes on contemporary and skill-oriented themes to complement the regular graduation courses. It is also the Study Centre of School of Open Learning (SOL), Non-Collegiate Women Education Board (NCWEB) and Indira Gandhi National Open University (IGNOU) for various courses.

In 2018, the College conducted a Course on Human Rights, Environment and Ethics through its National Resource Centre (NRC), under the Annual Refresher Programme in Teaching (ARPIT) scheme of MoE. The College has also entered into Memorandum of Understanding(s) with foreign universities. It is also working for collaboration with other higher education institutions located in remote areas of the country, under the Vidya Vistar Scheme of the University of Delhi.

In pursuit of its vision: "Discover, Empower, Transform: Building A Better World", Ramanujan College is working towards the recommendations of the National Education Policy (NEP) 2020. The objective is to make the College a centre for interdisciplinary studies and research with a future focus on blended learning.

TEACHING LEARNING CENTRE, RAMANUJAN COLLEGE

Teaching Learning Centre (TLC) is mandated by the Ministry of Education (MoE) to organise Faculty Development Programmes (FDPs), Faculty Orientation and Induction Programmes (FIPs), discipline specific and interdisciplinary Refresher Courses, conferences, workshops, through offline and online modes. These programmes are based on in-depth subject knowledge, quantitative and qualitative research methodologies, and on an interdisciplinary approach as is envisaged in the National Education Policy (NEP), 2020.

The TLC, Ramanujan College has been set up with the aim of "Reaching the Unreached" teachers in terms of regional diversity and geographically remote areas of the country. It has successfully conducted more than hundred learner-centric programmes since October 2017 and trained over one lakh teachers across the country in various discipline specific and interdisciplinary programmes.

In the TLC Programmes distinguished and internationally acclaimed resource persons deliver lectures and conduct sessions on wide ranging disciplines/topics of relevance in the contemporary and ever evolving global scenario to benefit the teaching fraternity, corporates and researchers. The sessions are also uploaded for larger audiences on the official YouTube Channel of the College.

Ramanujan College is a pioneer in offering offline/online courses for faculty members of higher education institutions and research scholars through the customised Learning Management System (LMS), designed by the College's Research Development and Services Cell. It is predominantly participant-friendly and incorporates evaluation methods and comprehensive feedback systems to judge learning outcomes. The LMS is hosted on CLOUD with high scalability and reliability. The College has installed its own Cloud Infrastructure to host its servers for research and data analysis.

Enrichment Spectrum at the TLC, Ramanujan College

- Transforming teachers into knowledge-creators
- Emphasis on creating self-learning space for participants
- Interaction with eminent scholars and academicians
- Four Quadrant Approach (e-tutorial, e-content, Self-Assessment and Web Resources).
- Regular follow-up with the participants through Google Classroom/ Telegram/ Discussion Forum.
- Adaptation skills for the dynamic contemporary environment
- Augmentation of professional capabilities and research-based knowledge
- Inter and cross-disciplinary methodologies of study
- Co-creation and mutual contribution between participants and facilitators
- Formation of knowledge capital
- Online certificates using the Blockchain Technology to ensure authenticity and verifiability

NEWMAN COLLEGE

Newman College- Thodupuzha, named after the great visionary, St. John Henry Cardinal Newman, is the first higher education institution of Idukki district established in the year 1964. This grant in-aid college affiliated to Mahatma Gandhi University, Kottayam is a minority Christian institution governed and managed by the Corporate Educational Agency, Diocese of Kothamangalam, Kerala with the vision of imparting academic excellence with spirituality to the predominantly agrarian community of high ranges of Kerala. The College has a long history of imparting quality education to the economically weaker sectors of rural and tribal community of Idukki district and has now become a hub of globally competent education centre with fifteen undergraduate, eight postgraduate and three doctoral degree programmes in addition to various recognised add-

on, diploma and certificate course programmes. The campus and its related student amenities, spread over a total land area of 26 acres, has extension facilities like Indira Gandhi National Open University (IGNOU) study centre offering variety of academic programmes at the UG and PG levels and has an M G University Study centre offering extra library resources.

The college is recognised by UGC under sections 2(f) and 12 (b) and is reaccredited by the NAAC with 'A' grade in two consecutive terms, 2007 and 2016. Considering the consistent quality of the College, UGC selected Newman College as a 'Mentor institute under UGC Paramarsh scheme' and MHRD, Govt of India selected it for 'Rashtriya Uchchatar Shiksha Abhiyan (RUSA)'. The College is one of few institutions selected for financial assistance under UGC- Scheme for Trans-disciplinary Research for India's Developing Economy (STRIDE) and DBT Star College Scheme by DBT, Govt. of India.

CONCEPT NOTE

This Online Refresher Course is diligently planned around developing the foundational knowledge needed to step into the arena of research. The programme is an effort towards exploring different dimensions and paradigms of research. The modules intend to enhance the ability of the participants to undertake independent research in a planned manner, identify appropriate and significant literature review, design questionnaires, collect and analyze data, perform simulations and, to assist them in writing research papers for good quality journals.

The participants will be trained to use several open source tools that are useful in accomplishing their research outcomes. The primary tools covered are those that would aid a researcher in a systematic background knowledge probe, data visualization, and effective presentation of results, writing research paper, preparation of reports and thesis, and prevention against plagiarism. The course also aims to train the participants in different software applications and facilitate the application of these software in their teaching-learning methods and research endeavor. The programme will also focus on providing a comprehensive discussion and training in the effective methods and tools used in writing a research project/paper.

THEMATICS

- **Introduction to Research: Research Philosophy & Types**
- **Development of deeper understanding of the dynamics of research philosophy and design and the underlying technology and proficiency**
- **Research Design and Types**
- **Data collection and Data Visualization**
- **Analysis of Data and Techniques**
- **Systematic Literature Review and Meta Data Analysis**
- **Introduction to different Qualitative Research Methods**
- **Developing an understanding about Qualitative and Quantitative Data Analysis**
- **Writing Research Report and Research Papers using LaTeX**
- **Advanced Searching Tools and Referencing Tools**
- **Scientific Journal Finder**
- **Indexing and Impact Factors**
- **Publication Ethics: Patent, Copyright and Plagiarism**

EXPECTED LEARNING OUTCOMES

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

- Gain better understanding on how to identify a research problem and design a valid research project to answer specific research questions
- Get hands-on training in the usage of several open source tools that can assist them in their research endeavors
- Write effective research papers and thesis in the journal designated formats using online tools
- Know the process of finding good quality journals for research and publishing

REGISTRATION AND PAYMENT PROCESS

ELIGIBILTY

Faculty members (regular/adhoc/temporary) in teaching profession, research scholars and postgraduate students are eligible to apply for this programme.

All those who meet the eligibility criterion are required to register and pay a **Non-Refundable fee of INR 1450/- by visiting**

rcmoocs.in

REGISTRATION DEADLINE: 20 June 2022

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**

- Failing to meet any of the above conditions will result in the denial of completion certificate.

For further information, write to us at:
fdpos@ramanujan.du.ac.in

or contact us through WhatsApp:
+91 - 7011863335
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ORGANISING BOARD OF THE PROGRAMME

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