



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

in collaboration with

**NIRMALA COLLEGE
(Reaccredited by NAAC with A++ Grade)
MUVATTUPUZHA, KERALA**

under the aegis of

MINISTRY OF EDUCATION

PANDIT MADAN MOHAN MALAVIYA NATIONAL MISSION ON TEACHERS AND TEACHING

are organising an

**INTER-DISCIPLINARY TWO -WEEK ONLINE REFRESHER COURSE/
FACULTY DEVELOPMENT PROGRAMME**

**RESEARCH
METHODOLOGY**

21 SEPTEMBER - 05 OCTOBER 2021

**CALL FOR
REGISTRATION
AND
PARTICIPATION**



RAMANUJAN COLLEGE

Ramanujan College is a constituent College of the University of Delhi (DU). It is inspired by the life and work of Srinivasa Aiyangar Ramanujan, one of the world's greatest mathematicians. The College has been accredited Grade "A" by the National Assessment and Accreditation Council (NAAC) in its First Cycle. It is located in the well-known area of Kalkaji, near Nehru Place, in South Delhi.

The College was established in 1958 as an evening college for boys with just five programmes. Since 2010, Ramanujan College has been expanding and now with the latest addition of B.Sc. Environmental Sciences (Hons) in 2020, it at present offers sixteen undergraduate programmes in different disciplines. This achievement, in alignment to the recommendations of the National Education Policy (NEP) 2020, makes the College a centre for interdisciplinary studies and research with a future focus on blended learning. It has gradually grown into a self-sufficient and self-reliant institution owing to its academic vigour and intellectual capital.

Ramanujan College was awarded the Deen Dayal Upadhyay - Knowledge Acquisition and Upgradation of Skilled Human Abilities and Livelihood (DDU KAUSHAL) Kendra in 2016 by the UGC, under which two vocational courses were started in Banking Operations and Software Development.

The College has 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 Ministry of Education (MoE). This Course was uploaded on MoE's Massive Open Online Course (MOOC) platform SWAYAM and many participants registered for it.

Ramanujan College offers various short-term diploma, certificate, and executive development programmes on contemporary and skill-oriented themes. These are conceived and designed by faculty members in consultation with external experts.

The courses get exceptional response from the students and are conducted throughout the academic session. They are open to alumni and students of all the colleges. Some of these courses support the curriculum, some prepare the students for higher studies and also accelerate the professional growth.

The College is 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. As an initiative towards students and teachers exchange programmes, the College has 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.

The prestigious Teaching Learning Centre was awarded to Ramanujan College in 2017 by the Ministry of Education, under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) scheme.

In pursuit of its vision: “Discover, Empower, Transform: Building A Better World”, Ramanujan College is today perceived as one of the best colleges in the country.



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

NIRMALA COLLEGE

Nirmala College, Muvattupuzha was founded in 1953 and it has now become one of the premier educational institutions in India with more than 3000 students and 136 faculty members. It is a Minority Christian institution governed and managed by the Corporate Educational Agency, Syrian Catholic Diocese of Kothamangalam, Kerala. The college is known for its high academic standards, and the students bag university ranks on a continuous basis. The college is reaccredited by **NAAC with A++ grade (CGPA 3.73)** in the fourth cycle of accreditation in 2021. The college was ranked on the 91st position in the NIRF rankings 2017 by the Ministry of Education, Government of India and is also bestowed with the prestigious **‘Star College’ status by the DBT, Government of India**. All Science departments of the college are supported by the DST FIST scheme.

The college offers 17 Undergraduate programmes, 14 Postgraduate programmes and One Integrated Postgraduate programme. In addition to this, the college also offers Ph.D. programmes in Seven disciplines.

The campus is adorned with lush greenery and is located in the nat-

urally blessed Nirmala hills which is spread over nearly 53 acres of land with state of art facilities for a constructive learning experience. Around 1.175 acres of land are set apart for the greening efforts like botanical garden, herbal garden, spices garden, bio-diversity garden, vegetable garden, mushroom house etc. Such initiatives of the college were reflected in the Swachh Campus Report of MHRD in 2019.



CONCEPT NOTE

Massive Open Online Courses (MOOCs) have gained prominence in the last decade, and they have recently gained popularity with “Digital Initiative” of Government of India. However, the concept and understanding about these courses is still not adequate. The present Refresher Course/Faculty Development Programme opens up a platform to discuss the intricacies of these courses.

Online courses serve as a bridge between the teachers and the learners and fill the gap for the off-site learners. It is a great initiative to provide blended learning for millions of students and teachers across the globe. MOOCs create the opportunity for sharing the ideas and knowledge and also helps improve lifelong learning skills by providing easy access to global resources. In other words, they have transformed the spaces of teaching and learning and associated pedagogical skills.

With this programme, the participants will be able to explore the usage of online courses for learning, teaching and professional development. They will be able to build their capability to plan, design and implement online courses that are in tune with international standards. This will facilitate them to manage their curriculum and also in extending effective support to the students in terms of improved learning and communication. In addition to this, MOOCs would also provide analytics to improve learning. MOOCs also help in improving cross cultural relationships which leads to collaboration between institution, educators and learners locally and internationally.

THEMATICS

- Introduction to Research: Research Philosophy and 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
- Creating Research Profile and Collaborations

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

ELIGIBILITY

Faculty members (regular/adhoc/temporary) in teaching profession and research scholars 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 September 2021

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

+91 7011527088

ORGANISING BOARD OF THE PROGRAMME

DIRECTOR, (TEACHING LEARNING CENTRE, RAMANUJAN COLLEGE)

Prof. S.P. Aggarwal

Principal, Ramanujan College

PATRON

Dr. Thomas K V

Principal, Nirmala College, Muvattupuzha, Kerala

PROGRAMME DIRECTORS

Dr. Nikhil Kumar Rajput

Assistant Professor
Ramanujan College

Mr. Vipin Rathi

Assistant Professor
Ramanujan College

CONVENOR

Dr. Ashish Kumar Shukla

Assistant Professor, Ramanujan College

PROGRAMME CO-ORDINATORS

Dr. Sachin Tomer

Assistant Professor,
Ramanujan College

Dr. Sony Kuriakose

IQAC Coordinator, Nirmala
College, Muvattupuzha, Kerala

ORGANSING TEAM

Sri. Titu Thomas

Assistant Professor, Nirmala College, Muvattupuzha, Kerala

Dr. Shibir Mohanan

Assistant Professor, Nirmala College, Muvattupuzha, Kerala

Ms. Shipra Yadav

Assistant Professor, Ramanujan College