



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



under the aegis of

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

is organising a

**TWO WEEK BILINGUAL INTERDISCIPLINARY
REFRESHER COURSE**

**TECHNOLOGY AND INNOVATION
IN TODAY'S EDUCATION:
A MULTI-DIMENSIONAL APPROACH**

**वर्तमान शिक्षा में प्रौद्योगिकी और नवाचार:
बहुआयामी दृष्टिकोण**

27 September - 11 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

CONCEPT NOTE

It is said that technology, innovation and education together nurture creative leaders in academia who are crucial for innovative research and designing new technology that further promotes powerful teaching and engaged learning. Generally, the term 'technology' is defined as a tool or a means to achieve certain ends, and 'innovation' refers to a new idea, method, or thing. Together, they have paved the way for enormous transformation, development, and innovations to make the world a better place to live and learn. This is the reason technology and innovation have a significant impact on the entire educational system at all levels. In the current pandemic, online courses, teaching aids, educational software, social networking tools, and many more technologies emerged as alternatives to the traditional classroom teaching environment ensuring that there is no interruption in student's educational journey. Noticeably, such practices are not new to human knowledge. All branches of knowledge have discussed and

made technology and innovation an essential and integral aspect of their curriculum in many ways. Disciplines such as, sciences, philosophy, art & lecture, social sciences, commerce, and management, etc., broadly talk about the relation of technological innovation, its use and abuse in research and teaching that needs to be explored. It is not an exaggeration to say that technology and innovation have the power to reinvent the entire education system by providing opportunities to modify teaching approaches. The current shift in the education system from offline mode to online mode, and after the introduction of the National Education Policy (NEP), it becomes crucial for us to discuss and debate the theoretical as well as practical aspects of both in relation to knowledge.

Thus, the purpose of this two week refresher course is to understand and critically analyze the significance of technology and innovation for teachers, teaching, and young students. It also focuses on developing new teaching pedagogies, strategies, and techniques to manage and effectively use them in various branches of education in order to improve students' performance and learning outcomes. In so doing, an attempt will be made to revisit and comprehend pervasive theories and methodologies related to technology and innovations in various academic disciplines from multidimensional perspectives.

SESSION DETAILS

It will be a two-week bilingual refresher course on the MOOCs platform. Sessions will be dedicated to recorded/live lectures in English as well as in the Hindi language on practical and theoretical aspects of technological theories and methodologies in different subjects, assignments, quizzes, discussions, and final test. On the first and last day, there will be the inaugural and discussion session.

THEMES

- Philosophy of Technology
- Digital Humanities: Digital Divide and Social Inequality
- Education: Technical Methods and Pedagogies
- Cyber Feminism and Gender Discrimination
- Artificial Intelligence and Consciousness
- Fake News and New Communication Technology
- Moral Issues in Computers and Information technology
- मीडिया और मास कम्युनिकेशन में तकनीक
- नई शिक्षा नीति में प्रौद्योगिकी और नवाचार
- कला और साहित्य में प्रौद्योगिकी का व्यावहारिक प्रयोग
- विज्ञान, सामाजिक विज्ञान और प्रौद्योगिकी के विविध आयाम
- वाणिज्य और प्रबंधन में बढ़ता प्रौद्योगिकी एवं नवाचार का आकर्षण

EXPECTED LEARNING OUTCOMES

We expect that the refresher program will result in an appreciation of the significance of technological theories and methodologies in research and teaching to improve students' academic performance. It will be a great learning experience for scholars, teachers, and learners to know various technological and innovation theories and methods and their use in various disciplines. We also hope that not only it will result in the opening up of a dialogue between the western and eastern understanding of technology and innovation-related methods, theories and practices but also provide a platform for further dialogues and discussion in the field of knowledge.

REGISTRATION AND PAYMENT PROCESS

ELIGIBILITY

Faculty members (regular/adhoc/temporary) in teaching profession 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: 26 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 are mandatory, and each participant should score a **minimum of 50% in total** to avail of the programme 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.
- Failing to meet any of the above conditions will result in denial of a certificate of completion to the participants.
- **No Objection Certificate (NOC) or Leave is NOT REQUIRED to participate in the Programme**

For further information, write to us at:

technology@ramanujan.du.ac.in

ORGANISING BOARD OF THE PROGRAMME

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