



# 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 an

**ONLINE ONE - WEEK  
FACULTY DEVELOPMENT PROGRAMME**

# **EDUCATION 4.0**

**02 - 08 December 2021**

**CALL FOR PARTICIPATION  
AND  
REGISTRATION**



## 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**

The ongoing technological changes and the current pandemic has shifted the academic community to engage with students through online spaces and develop innovative teaching-learning methods. This shift has come with its own set of issues and challenges. There is now a revived focus on developing pedagogies which are both engaging, inclusive and cater to the needs of 21st century life-long learner. Effective teaching strategies need to be devised and implemented that take care of multiple learning styles to benefit the student fraternity.

This Online Faculty Development Programme is diligently planned around developing the foundational knowledge needed to train the teachers to address the rapidly changing educational needs and devise ways to make their teaching more learner-centric. The participants will be acquainted with teaching-learning methods which facilitate independent, critical and creative thinking among



the students. For this, the traditional set-up of a classroom needs to be deconstructed and redesigned to help students adjust to the present-day requirements of multi-dimensionality. Innovative approaches, both for teaching and evaluation, should be adopted in addition to imparting immense value to the skill development and understanding of the ever-changing dynamics between the local and the global. However, this need of the hour to create skilled and professionally competent human resources can only be accomplished through equipping a teacher with the role that will enable students to develop their critical and analytical skills. These skills will further empower them to question and know.

Education 4.0 not only focuses on 'what is taught' but also gives equal importance to 'the way it is taught' – it is an education model which is aligned with future trends, in the effort to develop and enhance individual education that will eventually define how the future generations will work and live. The programme intends to explore the different models of learning and dive into key issues that impact students, teachers, and institutions of Higher Education. Specifically, the FDP plan to look at these issues by integrating the conceptual backgrounds and different schools of pedagogical development with the technological applications used for building an interactive and effective learning curriculum.

## **THEMES**

- **Understanding Education 4.0 in context of National Education Policy 2020**
- **Significance of Flipped classroom**
- **Personalized teaching and learning methods**
- **Critical Thinking**
- **Micro-teaching methods and Concept Mapping**
- **Strategies for improving peer-to-peer learning experience**
- **Think-pair-share strategies**
- **Role of Artificial Intelligence, Virtual Reality and Augmented Reality in Education 4.0**



## EXPECTED LEARNING OUTCOMES

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

- Gain better understanding of student-centric learning methods
- Explain different methods to be used in classroom
- Utilize important technological tools to enhance the teaching learning process
- Better guide and motivate students

## 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 950/- by visiting**

**[rcmoocs.in](http://rcmoocs.in)**

### REGISTRATION DEADLINE: 01 December 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:**

**[rcm9@ramanujan.du.ac.in](mailto:rcm9@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

## **ORGANISING TEAM**

Dr. Nikhil Kumar Rajput  
Mr. Vipin Kumar Rathi  
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