



**TEACHING LEARNING CENTRE**

**Ramanujan College**

(Accredited Grade 'A' by NAAC)

**University of Delhi**

in collaboration with

**ARMY INSTITUTE OF EDUCATION (AIE)**

Affiliated to Guru Gobind Singh

Indraprastha University, 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**

**DEVELOPING MOOCs:**

**CONCEPTS AND TOOLS**

**10 – 16 March 2022**

**CALL FOR REGISTRATION AND PARTICIPATION**

**e-learning**



## **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

## **ARMY INSTITUTE OF EDUCATION (AIE)**

Army Institute of Education (AIE) was established in August 2003 with the aim of providing pre-service teacher education to the dependents of Army personnel under the aegis of Army Welfare Education Society (AWES).

Army Institute of Education is affiliated to Guru Gobind Singh Indraprastha University (GGSIPU), Delhi. It is recognized by the National Council for Teacher Education (NCTE) for its Bachelor of Education (B. Ed.) programme and the Rehabilitation Council of India (RCI) for its B.Ed. Special Education (Learning Disability) programme . The Institute is NAAC accredited and is ISO 9001:2015 certified.



With its motto "Pragya, Pratishta Pragyanam", the Institute has grown as a Centre of Excellence in the Field of Teacher Education. Having a lush green campus spread over nearly 2.92 acres of land in a prime location in the city, Army Institute of Education provides an ideal environment to the aspiring learners for pursuing their studies in education. Army Institute of Education cradles a genuine concern for the pursuit of human enquiry and for the perpetuation of knowledge traditions in an environment conducive to an inspiring teacher education programme.





## CONCEPT NOTE

With the advent of technology, e-learning has become an intrinsic part of the teaching and learning process. Further the recent UGC Draft proposal on Blended learning has made it both urgent and necessary for educational institutions to work towards developing strategies for online education. Several initiatives have been undertaken in the direction of constructing an effective teaching learning environment using the fruits of technology. These include development of e-content, massive open online courses, virtual labs and knowledge repositories.

The onset of the recent pandemic situation completely transformed the way in which teaching was imparted and ultimately the teaching pedagogy. The medium of content delivery, communication, assessment and feedback transitioned to the online platforms available. This led the teaching fraternity to redesign the entire teaching learning process and embrace ICT tools and technologies as chariots of contemporary education.

This Online Faculty Development Programme aims to develop the required skills to effectively utilize ICT tools and make them an essential component of the teaching-learning framework. The programme aims to assist the teaching fraternity from all disciplines in using various technologies related to the development of e-content and managing online classes. The FDP is designed to disseminate knowledge of some of the important digital tools used for academic purposes. This will help them to manage their curriculum and also in extending effective support to the students in terms of improved learning and communication. The participants will be trained in developing e-content in the form of presentations, videos, infographics which are engaging and interactive and would better cater to the needs of students



with different learning styles. The programme would also highlight the essential requirements and setup needed to develop e-content. This would help the participants in also understanding the four quadrant model used while designing online courses and how they could contribute e-content for such courses. The sessions would be practical in nature and would demonstrate usage of different extensions and applications that can be extremely significant while taking online classes. The FDP also outlines creation and conduct of online assessments and quizzes that could support seamless and hassle-free grading and evaluation of students which would not only be simple for the teachers but also interesting for the students.

Overall, the FDP plans to equip the teaching fraternity with the necessary capability to excel in their teaching endeavors supported by the various tools available which are not only teacher but also student friendly at the same time and can definitely better the teaching learning environment.

## **THEMATICS**

- **Basics of online learning and MOOC development**
- **Components of e-content: Four Quadrant Approach prescribed by the Ministry of Education**
- **Applications required for MOOC development**
- **Video Creation software**
- **Creating MOOCs using MOOCSHUB**
- **Tools for interactive lessons**
- **Use of OER in developing lessons**
- **Applications for Assessment and Evaluation**



## EXPECTED LEARNING OUTCOMES

After the successful completion of the programme, participants will be equipped to:

- Design their own online course in accordance with the four-quadrant approach of Ministry of Education
- Use MOOCSHUB platform with ease
- Integrate different online applications in their online lesson for making it interactive
- Effectively use the Open Education Resources necessary for online content development

## 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: 09 March 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 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 PMMMMNMTT 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:**

**[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

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