



TEACHING LEARNING CENTRE

RAMANUJAN COLLEGE
(ACCREDITED GRADE "A++" BY NAAC)
UNIVERSITY OF DELHI

ONLINE TWO-WEEK REFRESHER COURSE

NATURAL SCIENCES

29 JANUARY - 12 FEBRUARY 2024

call for registration &
participation



ORGANIZED BY

**PANDIT MADAN MOHAN MALAVIYA NATIONAL
MISSION ON TEACHERS AND TEACHING**

MINISTRY OF EDUCATION

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 the 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.



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 indepth 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

CONCEPT NOTE

Natural sciences, including Astronomy, Biology, Chemical Sciences, Earth Science, and Physics, continually advance, playing a pivotal role in societal and environmental progress. Recent breakthroughs offer solutions to environmental challenges and contribute to medical advancements, particularly in the development of nanodevices for disease monitoring and treatment.

This refresher course aims to update faculty members and research scientists on recent natural sciences developments. It features domain-specific lectures, fostering innovative, skill-based learning. The course's objective is to deepen participants' understanding of universal behaviors, human impacts on the environment, and strategies for preserving biodiversity, preparing for disasters, managing pests, and contributing to sustainable development. Additionally, it encourages integrating natural sciences insights into other key subject areas.

THEMATICS

- Sustainable research on human beneficiaries
- Ramifications of agriculture on water and its quality factors
- Current scenario of plant growth regulators
- Molecular farming via artificial or vertical or designer plants
- Nanoscience
- To learn the adequate knowledge about bioinformatics tools and its applications
- An overlook into marine plants
- Learn the prospectus and process of entrepreneur technique-mushroom cultivation
- Conservation of therapeutic plants
- Recent advancement in crop improvement in genetic engineering
- Environment refinery through nanotechnology

REGISTRATION AND PAYMENT PROCESS

ELIGIBILITY

Faculty members (regular/adhoc/temporary) from Botany, Zoology, Earth Science, Environmental science and allied disciplines are eligible to apply.

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: 28 JANUARY 2024

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.

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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.
- **No Objection Certificate (NOC) or Leave is NOT REQUIRED to participate in the Programme. However, participants are expected to inform their authorities about their participation.**
- Failing to meet any of the above conditions will result in the denial of completion certificate.

For further information, write to us at:

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or contact us through WhatsApp:

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