



TEACHING LEARNING CENTRE

Ramanujan College
(Accredited Grade 'A++' by NAAC)
University of Delhi

in collaboration with

SRI SARADA COLLEGE FOR
WOMEN (AUTONOMOUS)

Affiliated to Periyar University
Salem

is organising an

ONLINE TWO-WEEK REFRESHER COURSE

MATHEMATICAL SCIENCES

31 OCTOBER - 14 NOVEMBER 2023

Call for Registration & Participation

organised under the aegis of

**Pandit Madan Mohan Malaviya National
Mission on Teachers & 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. 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 & skill - oriented themes to complement the regular graduation courses.

It is also the Study Centre of 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.

The courses are offered 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.

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](#).

SRI SARADA COLLEGE FOR WOMEN (AUTONOMOUS)

Sri Sarada College was started in 1961 as an affiliated college to the University of Madras with two sections of Pre-University class (with eighty students). Later, it has increased in strength to become a First Grade college with twelve under-graduate courses, seven post-graduate courses, nine M.Phil. programmes, nine Ph.D. programmes and two Self - Financing P.G. Courses (M.Sc. Computer Science and M.Com.). Autonomous status was conferred by the University Grants Commission in the year 1988-1989 under the able guidance of Yatiswari Saradapriya Amba. The College was re-accredited with 'B++' Grade by NAAC in the fourth cycle. The foundation stone of Sri Sarada College for women was laid by Former President of India, Dr. Sarvapalli Radhakrishnan.

The College offers upto-date career oriented education which is integrated with our ancient culture and tradition. To meet the challenges of the ever-changing modern scenario, the academic needs of the young students are closely analyzed and the curriculum is periodically redesigned in a way to develop the scientific temper and to enkindle the spirit of creativity in the students' minds. In almost all disciplines, priority is given to relate curriculum to the local needs. Extensive efforts are taken to concretize the aims and goals of the college through curricular, co-curricular and extension activities.



CONCEPT NOTE

Mathematical Sciences as a subject area have witnessed significant growth in terms of research and applications. The discipline has touched a wide array of activities and processes, ranging from the basic internet search to more complex aspects of computer simulations and digital communication. The cross - disciplinary nature of Mathematical Science has helped it in becoming an integral tool for research in many disciplines, medical science, science & engineering, climate studies, information technology, social science among many others. However, there is a gap between this expansion and the way the subject is generally conceived by its practitioners.

It is in this backdrop, the Teaching Learning Centre, Ramanujan College is offering a Two-week Refresher Course/Faculty Development Programme to acquaint the participants with the skills and knowledge required to further the cross - disciplinary nature of the field and apply it beyond their own area of expertise.

THEMES

- Tools for Research and Analysis
- R, MATLAB, Mathematica
- Linear Progression
- Introduction to Data Science
- Writing Research Proposals
- Schemes and Scholarships
- Copyright, Plagiarism and Intellectual Property Rights
- Creative Commons License
- Advanced Searching and Deep Web Searching
- Writing tools: LaTeX
- Reference Management: Mendeley & Zotero
- Research Journal and Metrices and Indexing

REGISTRATION & PAYMENT DETAILS

Eligibility

Faculty members (regular/adhoc/temporary) in teaching profession, research scholars, library and non - teaching workforce 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: 30 October 2023

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 PMMMMNMTT 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:

astrw@ramanujan.du.ac.in

or contact us through WhatsApp:

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+91 - 7011527088

ORGANISING BOARD OF THE PROGRAMME

DIRECTOR

Teaching Learning Centre, Ramanujan College

Prof. S.P. Aggarwal
Principal

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SRI SARADA COLLEGE FOR WOMEN (AUTONOMOUS)

Dr. R. Uma Rani

PROGRAMME COORDINATOR

SRI SARADA COLLEGE FOR WOMEN (AUTONOMOUS)

Dr. M. Sudha, Head, Department of Mathematics

ORGANISING TEAM

RAMANUJAN COLLEGE

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