



TEACHING LEARNING CENTRE

Ramanujan College

(Accredited Grade 'A' by NAAC)

University of Delhi

in collaboration with

KIRORI MAL 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

are organising a

Two-week Refresher Course

**GEOGRAPHY, GEOGRAPHERS
AND GEOSPATIAL TECHNOLOGIES:**

Impacting Physical, Social & Gendered Spaces 2021

22 November - 06 December 2021

**CALL FOR REGISTRATION
AND PARTICIPATION**



*This Refresher course is
Dedicated to the life and works of*

Prof. Ram Babu Singh

(3 Feb. 1955 – 22 July 2021)

An exemplary scholar, Secretary General IGU,
and former Head- Dept. of Geography,
University of Delhi (India)

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

KIRORI MAL COLLEGE

Welcome to Kirori Mal College, an institution of academic excellence, established in 1954, that has always strived to, and successfully maintained its place as one of the finest within the University of Delhi. We at Kirori Mal believe in providing for our students an environment rich in knowledge and supportive of their extracurricular interests. The college encourages a quest for knowledge that is rooted in an ethical understanding of the world that we inhabit and this enthusiasm for learning along with a desire to evolve into socially responsible beings is reflected not only in the academic atmosphere but also visible in the field of extra-curricular activity. Our tradition of excellence in theatre, art and music only adds to the richness of the academic fabric of the college. You will encounter the unique combination of social activism, creativity and learning in every discipline and every corner

of this institution. Over the years, the college has built up an impressive array of academic facilities such as a fully computerized library, a state of the art computer center and an active placement cell. Our endeavor is to make individuals more mature, responsible and socially aware.



CONCEPT NOTE

Geography matters in everyday decision-making, and we use it knowingly or inadvertently without realizing it. The implementation decade of 17 Sustainable Development Goals (SDG's) has accentuated the relevance of the subject across disciplines. With the higher education ecosystem impacted directly through scores acquired for Academic Performance Indicators (API) in recruitments and career advancement, the refresher course like the present becomes beneficial. Present Refresher Course is designed for Geographers and all those for whom Geography Matters. Geography crops up everywhere, yet whose uses seem to be changing recurrently, producing new and often surprising variations of meaning. COVID 19 has added a visual meaning to geography with a mega display of maps and spatial data. Geo analytics have never been pitched so high by researchers as today. The course aims to target Geography faculty, Cartographers, Environmental Geographers, Social Scientists, Demographers, Urban and Rural

Planners, Geo-Political experts, Gender experts, and all others who value locations, place, space and have ever wished to use remote sensing, GPS, and GIS in their research and academic writings. This refresher course, "Geography, Geographers and Geospatial Technologies: Impacting Physical, Social & Gendered Spaces 2021, "is about how relevant today is to contextualize decision-making around geographies. It aims to bridge the complexities and understand the relational inter-linkages between 3G's, geography, geographers and geospatial technologies.

Present refresher course is dedicated to the loving memory of Professor Ram Babu Singh (3 Feb. 1955 - 22 July 2021), an exemplary Geographer, Secretary General IGU, and former Head-Dept. of Geography, University of Delhi (India) who explored geography discipline, widened the role of a geographer and optimized the use of geospatial technologies in his research. He showed us the relevance and requisite pathways of "crossing borders and merging geographies". His 14 books, 35 edited research volumes, and more than 200 research papers published in national and international journals, symbolically glaring at us and motivating us with his smile and saying, *"If a boy from Majhanpura, gaon, Chappra district Bihar could do it, you all can do it."* The course navigates and asserts that geography is beyond boundaries and not a closed discipline with a catchment to be traversed only by the geographers. The course is divided into different themes, attaching meaning to fieldwork, acquisition of spatial and non-spatial data and holding Spaces that can be appropriated as well as dominated ,when we contextualize them with the geographers' lens.

Over the last four decades, geospatial technologies have proven to be an effective enabler to meet various challenges related to the sustainability of physical, social, cultural, and digital spaces.

That is why to enhance the participants' capacity building, the course includes exposure to hands-on experience with locational data, remote sensing data, and attribute data through exposure to GIS open source and proprietary software the pathways towards. The relevance of spatial and non-spatial data, data analytics, and the basics of GIS, remote sensing and GPS, would be explored with the low and high-resolution degree. The participants after completing the course will get ready to explore new pathways, where Geographers' lens will empowers spaces and reinforces the particular ways in which men, women, and the third gender participates and produce homogenous and heterogenous patterns for policymakers to make decisions.

The present Refresher course aims at three integrated goals:

1. To conceptualize the 'geographers' lens in 2021 and conceive the idea of "geography " beyond geographies.
2. To reinforce the relevance of geographers in understanding the diverse physical, social and gendered landscape and comprehend evolved interlinkages for sustainable development.
3. To develop the participants' capacity to understand spatial data and use geospatial tools and technologies for visualization, academic research, and contributing to the grassroots.

THEMATICS

- **The idea 'Geography' and 'academic discipline geography'**
- **Evolution of Geographical thought**
- **Geography of difference**
- **Conceptualizing place, space, and their relevance in decision making.**
- **Cartography today and tomorrow**
- **Mapping Physical landscape for sustainability**
- **Natural Resource Management**
- **Climate Change and Climate variability**
- **Mapping Social spaces**
- **Urban , Urbanization and recent concerns**
- **Understanding Gender and Development.**
- **Missing 'Gender Geography' in Higher Education Institutes.**
- **COVID 19 PANDEMIC :Bridging Geographies**
- **Sustainability and Sustainable development**
- **Field Work and geographers**
- **Relevance of Spatial and Aspatial data**
- **Overview of remote sensing GPS and GIS**
- **Application of Remote Sensing and GIS**
- **Hands-on Exercise**

ABOUT THE RESOURCE PERSONS

The resource persons of this program are experienced and renowned faculty members and industry practitioners from India, France and Indonesia. There are senior level Gender Experts, Trainer of the Trainers , geospatial experts from academic community, industry and NGO's to name a few.

REGISTRATION AND PAYMENT PROCESS

ELIGIBILITY

Faculty members from various disciplines, scientists, technologists from organizations that include colleges, UGC recognized universities, national institutions of research and research management, preferably with interest in gender-related issues and concerns, and spatial and non-spatial data 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: 21 November 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:
rfc_geography@ramanujan.du.ac.in

ORGANISING BOARD OF THE PROGRAMME

PATRONS

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Prof. Vibha Singh Chauhan
Principal
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