



**Marata Vidya Prasarak Samaj's
Karmveer Abasaheb Alias N. M. Sonawane Arts, Commerce and
Science College**

**Morenagar, Baglan (Satana), Nashik – 422301, (MS)
India**

(Affiliated to Savitribai Phule Pune University)

Re-Accredited by NAAC- 'A' Grade (CGPA-3.19)

4th Cycle

Assessment and Accreditation

**Criterion-VI:
Governance, Leadership and
Management**

**«Key Indicator: 6.3 »:« Faculty Empowerment
Strategy »**

«QnM»:6.3.3.1

**« Total number of teaching staff participating in Faculty
development Programmes (FDP), professional development
/administrative training programs »**



MINISTRY OF EDUCATION
PANDIT MADAN MOHAN MALAVIYA NATIONAL MISSION ON TEACHERS AND TEACHING

TEACHING LEARNING CENTRE
RAMANUJAN COLLEGE
(Accredited Grade 'A' by NAAC)
UNIVERSITY OF DELHI

in collaboration with

CENTRAL UNIVERSITY OF TAMIL NADU, THIRUVARUR, TAMIL NADU
VCSG UTTARAKHAND UNIVERSITY OF HORTICULTURE
AND FORESTRY, BHARSAR, UTTARAKHAND
DHOTE BANDHU SCIENCE COLLEGE, GONDIA, MAHARASHTRA

Online Induction Training/Orientation Programme
for Faculty in Universities/Colleges/Institutions
of Higher Education

10 November - 09 December 2020

CALL FOR
REGISTRATION
&
PARTICIPATION



Faculty
Induction
Programme

CONCEPT NOTE

The COVID-19 pandemic has dramatically changed education, with the distinctive need for e-learning and continuance of teaching-learning over remote and digital platforms. The incorporation of information communication technology in education has already been on a high growth even before the pandemic. However, the sudden closure of educational institutions in many parts of the world has brought a certain urgency to adopt online teaching-learning strategies, which are likely to continue even post- COVID-19. Hence, the teaching community needs to evolve, more than ever, an innovative approach to equip themselves with the skills necessary for creating a holistic learning environment in this unprecedented context.

In the contemporary world of modern education and knowledge, a teacher is not only a source of knowledge-creation but also the instrument required to sharpen the intellect of students. Education has changed over time to meet the progressive world. The education system has been reconstructing its focal variables, namely teaching, learning, institution, and knowledge. Teaching and learning have shifted to create a phenomenological space, where the symbiotic relationship between the teacher and the student blossoms at a level that goes beyond mere cognition and thought. It transcends to explore the meaning of life, invoking the true inner calling and creating an environment for creative expression and experimentation. Likewise, terms like institution and knowledge now seek to establish systems of learning beyond the four walls of buildings, encompassing more than physical infrastructure, and information gathering and processing. Systems that ignite the drive to address the problems of the society create collaborative learning, attitude to acquire futuristic skills and an orientation to become self-reliant. Essentially, this amounts to redefine the time and space of education, respectively, from time spent in covering the syllabus and physical infrastructure to create an environment. This means expanding and broadening the cognitive faculty of students and empowering them to conceptualise phenomena for applications for the greater good of society. In this context, space means the combined mental landscape of the teacher and the taught, which is governed by the canons of inquisitiveness, enquiry, critical thinking, and non-conventional problem-solving.

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, that is, not only being prompt to the socio-political and economic shifts but to pursue ones' inner calling. The exchange and interaction of ideas, thoughts, and concepts should stem from critical thinking. 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.

The teachers in Higher Education have increasingly felt the need for a formal training course at the beginning of their careers to prepare themselves for their professional journey. Looking beyond basic orientation, the need is of a broad-based but focused programme that would prepare the teachers with pedagogical skills and techniques, research methodologies, methods of curriculum development, with the latest in information technology both for the gathering of knowledge as well as its dispensation and acquaint them with the processes of institutional administration and self- development. On the behavioural plane, it is also imperative to prepare young teachers for an attitudinal orientation that will help them grow into an innovative academic, a scholar in their own right, and a socially committed mentor.

It is with all these factors in mind that the Ministry of Human Resource Development (MHRD), Government of India, launched the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMNMTT) programme through its Teaching Learning Centres, with a particular emphasis on Education 4.0. It emphasizes the need to prepare students to face challenges fearlessly. It has been designed to change the role of a teacher from mere imparter to the one who has developed critical and analytical skills, information generation capabilities, ability to know and reason, empowering through open sources, global oriented digitalization, and self-learning in students. New dawn, 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.

In the present circumstances, the teaching fraternity is missing out on the

lively and interactive programmes. Hence, the MHRD and the University Grants Commission (UGC) have intensified efforts towards a strong virtual engagement to facilitate dissemination of knowledge and adopt technology-enabled teaching practices. To contribute in this endeavour, the seventh Induction Training Programme, 2020, is yet another step by the TLC, Ramanujan College, to prepare and enable teachers to deliver excellent teaching practices, even in an online environment. The current Induction Programme is being organised in collaboration with Central University of Tamil Nadu, Dhote Bandhu Science College, Gondia and VCSG Uttarakhand University of Horticulture and Forestry. The previous six Induction Training Programmes (May 2018; December 2018; May 2019; June 4 – July 1, 2020; and June 26 – July 24, 2020; September 1 - 30, 2020) were highly successful, with the participation of thousands of teachers from various disciplines and different parts of the country. The feedback from the participants has confirmed that the programmes were instrumental in enhancing their knowledge and skills on a wide variety of themes, which they were able to implement in their teaching. The present Induction Programme, like the previous three versions, will be carried out through an online platform, keeping in view the physical constraints.

The primary objective of the present Induction Programme is to empower and motivate the teachers for enlivening the learning process by adopting novel pedagogic approaches to teaching-learning which are collaborative and participant-centered, to integrate learning and teaching with Information Communication Technology (ICT), and to equip the teachers with the latest assessment tools in higher education. It further focuses on teaching and research methodologies, curriculum structure, and design, gender and social diversity, professional ethics, sharing of best practices, and also the updating of developments in specific disciplines in which the teachers are engaged. The training module for this Induction Programme also emphasizes the personal development of the teachers in terms of interpersonal skills, career development, and life planning issues. It will provide the teachers with the instructional tools for curriculum design and assessment, accessing technology. There is a detailed discussion on the organizational skills required for the teachers to initiate and improve the institutional environment. The large part of the programme is centred on empowering the teachers to perform multiple roles of teaching, research, and service in a more effective and meaningful manner.

The Induction Programme involves expert guidance of eminent academics

and specialists, hands-on training modules, exercises in direct classroom teaching, questionnaire-based responses, interactive sessions, collaborative learning, assessment of learning outcomes, project work, and field visits.

Note: As per the latest UGC regulation ([UGC Regulation Page 99](#)), training programmes conducted in PMMMNMTT Centres have been recognised. Induction Training Programme is now a mandatory training programme for newly inducted college/university teachers. This programme is equivalent to one-month orientation programme. It fulfils requirement as per CAS of UGC and AICTE for promotional purposes. Upon successful completion, participants will be provided graded certificates.

MODULES/TOPICS

Module 1	Roles and Responsibilities of a Faculty / Academics in Higher Education
Module 2	University Structure and Functioning
Module 3	Curriculum Design and Content Development
Module 4	Pedagogic Techniques & Teaching and Learning Methods
Module 5	Assessment and Evaluation
Module 6	Research in Higher Education
Module 7	Personal-Emotional Development and Counselling
Module 8	ICT: Effective Use of Technology for Teaching, Learning and Evaluation
Module 9	E-Content Development & MOOCs
Module 10	University Governance and Administration
Module 11	Academic Leadership
Module 12	Strategic Planning and Management

RAMANUJAN COLLEGE

Ramanujan College is a University of Delhi college, located in the well-known area of Kalkaji, near Nehru Place, in South Delhi. Ramanujan College has highly qualified, dedicated, and committed faculty members. The college runs 15 courses in different subjects in Humanities, Commerce and Science streams. It is also the study centre for the students of the School of Open Learning, University of Delhi, the Non-Collegiate Women's Education Board, University of Delhi, and the Indira Gandhi National Open University. The college also runs several professional courses. The teachers of Ramanujan College are highly motivated and have original, published academic and creative work, including journals and other print media articles and educational film making to their credit. Ramanujan College is a premier institution of the University of Delhi and has been accredited grade "A" by the National Assessment and Accreditation Council (NAAC). We at Ramanujan College emphasize the holistic development of personality, meaningful exposure to real-world, and inculcating practical skills amongst our students apart from ensuring academic excellence.

Enrichment Spectrum at the Teaching Learning Centre (TLC), Ramanujan College

- Emphasis on creating self-learning space for students
- Hands-on assignments and live projects
- Expert guidance on live projects
- Follow-up tasks
- Provision of study content (wherever required)
- Developing appropriate attitudinal orientation
- A learning experience for personality enrichment
- Augmentation of professional capabilities
- Co-creation and mutual contribution between participants and facilitators
- Access to global resources
- Adaptation skills for the dynamic contemporary environment



CENTRAL UNIVERSITY OF TAMIL NADU, THIRUVARUR



Central University of Tamil Nadu (CUTN) is an institution of higher education established by an Act of Parliament in 2009. The University aims at the fashioning of an enlightened society founded on a relentless pursuit of excellence through innovation in teaching-learning process, inter - disciplinary studies and research. Having constructed its buildings as per the GRIHA norms, CUTN moved to the

new campus in 2013-14. With a view to ensuring a green campus the university has registered for a green rating. With a host of the diversified integrated postgraduate, postgraduate, doctoral programmes and diploma and certificate courses of community college both already rolled out and on the anvil, the University has been keen to stay abreast of the ever expanding academic frontiers. The University is also participating in the MHRD initiative of Direct Admission of Students Abroad (DASA). Within the brief period since its inception, whether in the realm of academics or research, CUTN has established itself as a frontrunner in the pursuit of excellence. The University in its permanent campus can boast of, among other things, state of the art infrastructure. In addition, a Kendriya Vidyalaya which started functioning in the CUTN residential campus during the academic year 2013 -14, caters to the school educational requirements both of the employees of CUTN and students from surrounding villages. The University, with the active support of students, faculty, and the administrative staff endeavours to ensure optimal environmental backing conducive to learning.

DHOTE BANDHU SCIENCE COLLEGE, GONDIA

Dhote Bandhu Science College, Gondia has the privilege of identifying itself as an exclusive science college in rural eastern Maharashtra state of India with over 1700 students and offering a wide range of undergraduate, postgraduate and doctoral programs in sciences. It is affiliated to RTM Nagpur University and reaccredited with grade 'A+' (CGPA- 3.51) by NAAC Bangalore. UGC has approved the college for 'College with potential for Excellence' status. Our College also serves as a 'Mentor Institution' recognized by UGC and NAAC for unaccredited Institutions.

Students have a wide choice of UG as well as PG programs in the Faculty of Science. It includes B.Sc., M.Sc. BCA and skill based degree programmes B. Voc. The College is recognised as Centre for Higher Learning and Research to RTM Nagpur University for Ph.D. Programme. The value added add-on courses, career oriented programmes under UGC Community College scheme enriches the curriculum. Some interdisciplinary certificate courses under IGNOU help



the students for horizontal mobility. Vocational courses are offered in close collaboration with reputed industries. The skill based career oriented degree and other and indigenous value added courses has been approved and run from 2014 under UGC scheme. In 2015 the college recognised as ‘Centre for higher Learning and Research’ for Ph.D. programme in Physics, Chemistry and Botany under Faculty of Science of RTM Nagpur University.

VCSG UTTARAKHAND UNIVERSITY OF HORTICULTURE AND FORESTRY, BHARSAR



With a view to develop horticulture and forestry sectors through scientific interventions, the State Government has established Uttarakhand University of Horticulture & Forestry (UUHF) by an Act of State Legislative Assembly [The Uttarakhand Krishi Evam Prodyogik Vishwavidhyalaya

(Amendment) Act, 2011 {Uttarakhand Act No.13 of 2011}] dated 28th April, 2011 with Head Quarter at Bharsar, Pauri Garhwal. The principal mandate of the university is sustainable development of horticulture, hill agriculture and forestry sectors through teaching, research and extension. More specifically, the mandate encompasses:

- Development of qualified professionals in Horticulture, Forestry, Agriculture, Food Science & Technology, Medicinal & Aromatic Plants Sciences.
- Development of Horticulture and Forestry sectors on sustainable basis through research interventions.
- Sustainable management and utilization of Hill Agriculture, Horticulture and Forestry resources for ecological stability and livelihood security.
- Transfer of Technology and entrepreneurship development.

REGISTRATION PROCESS

Eligibility: Faculty members (regular/adhoc/temporary) in teaching profession are eligible to apply for this INDUCTION PROGRAMME.

- Registration is mandatory for all the participants of the FIP.
- All those who meet the eligibility criterion are required to pay a **Non-Refundable fee of INR 1500/-** (See the details provided below regarding the payment process).
- The eligible participants who have made the payment are required to register online **on or before November 09, 2020.**

IMPORTANT:

- 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 MHRD requirement under the PMMMNMTT 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.

PAYMENT PROCESS & STEPS OF REGISTRATION

First Step: The participants must make the prescribed payment through the payment gateway:

<https://eazypay.icicibank.com/eazypayLink?P1=8jnp4OTEfuPOYer2Jow/ww==>

Alternatively, you can also make the prescribed payment through NEFT/IMPS to the following account:

Bank: ICICI Bank

Branch: CR Park Branch, New Delhi - 19

A/c Name: PRINCIPAL RAMANUJAN COLLEGE

A/c no: 072001003912

IFSC: ICIC0000720

Second Step: Participants need to fill up the online application form <https://forms.gle/6jKKLN7MiMNsqVmCA> with all the required details before the final date of submission. The screenshot of the payment should be uploaded while filling in the form. The participants are advised to carefully fill their transaction details of payment at the time of filling of the registration form. Kindly take note that late applications and payments will not be accepted. The last date of registration is November 09, 2020.

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.

ORGANISING BOARD OF THE FACULTY INDUCTION /ORIENTATION PROGRAMME

DIRECTOR (Teaching Learning Centre, Ramanujan College)

Dr. S.P. Aggarwal
Principal, Ramanujan College, University of Delhi

DIRECTOR (Faculty Induction Programme)

Dr. Nikhil Kumar Rajput
Assistant Professor, Ramanujan College, University of Delhi

PATRONS

Prof. Aditya Padhi
Former Vice – Chancellor of Berhampur University, Odisha

Prof. R. Karpaga Kumaravel
Vice Chancellor (Officiating), Central University of Tamil Nadu, Thiruvarur

Prof. Ajeet Kumar Karnatak
Vice - Chancellor, VCSG Uttarakhand University of Horticulture & Forestry, Bharsar

Dr. Anjan Naidu
Principal, D. B. Science College, Gondia

CONVENORS (Organising)

Dr. Krishna Sharma
Vice - Principal, PGDAV College, University of Delhi
Mr. Vipin Kumar Rathi
Assistant Professor, Ramanujan College, University of Delhi

ORGANISING SECRETARY

Mr. Sahil Pathak
Assistant Professor, Ramanujan College, University of Delhi

Dr. Ashish Kumar Shukla
Assistant Professor, Ramanujan College, University of Delhi

COORDINATORS

Dr. Ajeet Jaiswal
Associate Professor, Central University of Tamil Nadu

Dr. Manoj Kumar Riyal
Assistant Professor, College of Forestry, Ranichauri

Prof. Dilip Choudhary
Dhote Bandhu Science College, Gondia

ORGANISING TEAM

Dr. Sachin Tomer
Assistant Professor, Ramanujan College, University of Delhi

Dr. Rajiv Nayan
Assistant Professor, Ramanujan College, University of Delhi

Ms. Shipra Yadav
Assistant Professor, Ramanujan College, University of Delhi



MINISTRY OF HUMAN RESOURCE DEVELOPMENT
PANDIT MADAN MOHAN MALAVIYA
NATIONAL MISSION ON TEACHERS AND TEACHING



TEACHING LEARNING CENTRE
RAMANUJAN COLLEGE
(UNIVERSITY OF DELHI)

Online Induction Training/Orientation Programme for Faculty
in Universities/Colleges/Institutes of Higher Education

04th JUNE–01st JULY 2020

CALL FOR REGISTRATION AND PARTICIPATION

Organized by
Teaching Learning Centre
&
Research Development and Services Cell

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



CONCEPT NOTE

The COVID-19 pandemic has dramatically changed education, with the distinctive need for e-learning and continuance of teaching-learning over remote and digital platforms. The incorporation of information communication technology in education has already been on a high growth even before the pandemic. However, the sudden closure of educational institutions in many parts of the world has brought a certain urgency to adopt online teaching learning strategies, which are likely to continue even post-COVID-19. Hence, the teaching community needs to evolve, more than ever, an innovative approach to equip themselves with the skills necessary for creating a holistic learning environment in this unprecedented context.

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It is with all these factors in mind that the Ministry of Human Resource Development (MHRD), Government of India, launched the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) programme through its Teaching Learning Centres, with a special emphasis on Education 4.0. It emphasizes the need to prepare students to fearlessly face challenges. It has been designed to change the role of a teacher from mere imparter to the one who has developed critical and analytical skills, information generation capabilities, ability to know and reason, empowering through open sources, global oriented digitalization and self-learning in students. A new dawn, 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 the manner in which the future generations will work and live.

In the present circumstances, the teaching fraternity is missing out on the lively and interactive programmes. Hence, the MHRD and the University Grants Commission (UGC) have intensified efforts towards a strong virtual engagement to facilitate dissemination of knowledge and adopt technology enabled teaching practices. To contribute in this endeavour, Teaching Learning Centre (TLC), Ramanujan College had successfully completed an Online Faculty Development Programme on *Managing Online Classes and Co-Creating MOOCs* (20th April – 06th May 2020). The overwhelming response paved way for launching a second round of the Course from 18th May – 01st June 2020.

The Centre will begin a two-week Workshop titled *From e-Learning to e-Training: A Comprehensive Guide for all your Administrative Work* (25th May – 3rd June 2020).

The fourth Induction Training Programme, 2020, is yet another step by the TLC, in association with Research Development and Services Cell, Ramanujan College, to prepare and enable teachers to deliver excellent teaching practices, even in an online environment. The previous three Induction Training Programmes (May 2018; December 2018; and May 2019) were highly successfully, with participation of teachers from different parts of the country and disciplines. The feedback from the participants has confirmed that the programmes were instrumental in enhancing their knowledge and skills on a wide variety of themes, which they were able to implement in their teaching. The present Induction Programme will be carried out in online platform, keeping in view the physical constraints.

The primary objective of the present Induction Programme is to empower and motivate the teachers for enlivening the learning process by adopting novel pedagogic approaches to teaching-learning which are collaborative and participant centered, to integrate learning and teaching with Information Communication Technology (ICT), and to equip the teachers with the latest assessment tools in higher education. It further focuses on teaching and research methodologies, curriculum structure and design, gender and social diversity, professional ethics, sharing of best practices and also the updating of developments in specific disciplines in which the teachers are engaged. The training module for this Induction Programme also lays emphasis on the personal development of the teachers in terms of interpersonal skills, career development, and life planning issues. It will provide the teachers with the instructional tools for curriculum design and assessment, accessing technology. There is detailed discussion on the organizational skills required for the teachers to initiate and improve the institutional environment. The large part of the programme is centred to empower the teachers to perform multiple roles of teaching, research, and service in a more effective and meaningful manner.

The Induction Programme involves expert guidance of eminent academics and specialists, hands on training modules, exercises in direct class room teaching, questionnaire based responses, interactive sessions, collaborative learning, assessment of learning outcomes, project work and field visits.

Note: As per the latest UGC regulation, training programmes conducted in PMMMNTT Centres have been recognised. Induction Training Programme is now a mandatory training programme for newly inducted college/university teachers. *This programme is*

equivalent to one month orientation programme.

MODULES/TOPICS

Module 1: Roles and Responsibilities of a Faculty / Academics in Higher Education

Module 2: University Structure and Functioning

Module 3: Curriculum Design and Content Development

Module 4: Pedagogic Techniques & Teaching and Learning Methods

Module 5: Assessment and Evaluation

Module 6: Research in Higher Education

Module 7: Personal-Emotional Development and Counselling

Module 8: ICT: Effective Use of Technology for Teaching, Learning and Evaluation

Module 9: E-Content Development & MOOCs

Module 10: University Governance and Administration

Module 11: Academic Leadership

Module 12: Strategic Planning and Management

RAMANUJAN COLLEGE

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- Emphasis to create self-learning space for students
- Hands-on assignments and live projects
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- Follow-up tasks
- Provision of study content (wherever required)
- Developing appropriate attitudinal orientation
- Learning experience for personality enrichment
- Augmentation of professional capabilities
- Co-creation and mutual contribution between participants and facilitators
- Access to global resources
- Adaptation skills for the dynamic contemporary environment

REGISTRATION DETAILS

ELIGIBILITY

Newly recruited faculty members (regular/adhoc/temporary) who are in their initial years of teaching profession are eligible to apply for this INDUCTION PROGRAMME.

- All the participants are requested to register online by visiting www.tlc.rcdu.in or www.rcdu.in or before 27th May 2020, by browsing the following link: <https://forms.gle/x9tbR3RW7iLtaTtK9>
- Registration is mandatory for all the participants.

For further queries, please mail on: fip2020@ramanujan.du.ac.in

DETAILS OF PROGRAMME FEES

Fees for the Programme: Rs. 1500 (Non-Refundable)

*Payment can be done through UPI/NEFT to the below mentioned account.

STEPS OF REGISTRATION

1. Participants will fill up the online application form with all required details & payment within the final date of submission that is, 27th May 2020. Please note that requests for late applications will not be entertained.
2. After successful registration & payment, the participants will receive a final confirmation and invitation letter.

Please note that an official group will be made for communication with the participants on “Telegram.” You are therefore requested to install the Telegram App either from Play Store or App store. The link to join the official group will be provided in the confirmation mail.

PAYMENT DETAILS

Online Payment of the Registration Fee through NEFT to the following account:

Account Name: Principal, Ramanujan College

Account Number: 0156000100585618

Bank & Branch: Punjab National Bank, Kalkaji

IFSC: PUNB0015600

MICR Code: 110024052

ORGANISING BOARD OF THE INDUCTION PROGRAMME

FACULTY INDUCTION/ORIENTATION PROGRAMME

Director

Dr. K. Latha, Associate Professor, Department of Management Studies

Co-Director

Dr. Nirmalya Samanta, Associate Professor, Department of English

Convenors

Dr. Ashish Kumar Shukla, Assistant Professor, Department of Statistics

Dr. Nikhil Kumar Rajput, Assistant Professor, Department of Computer Science

Organising Team

Dr. Shruti Jain, Assistant Professor, Department of English

Dr. Aparajita Mazumdar, Assistant Professor, Department of Political

Science

Ms. Parul Yadav, Assistant Professor, Department of Commerce

Ms. Shipra Yadav, Assistant Professor, Department of Political Science

Mr. Vipin Kumar Rathi, Assistant Professor, Department of Computer

Science

Dr. Abhay Pratap Pandey, Assistant Professor, Department of Statistics

FOR MORE INFORMATION, CONTACT:

fip2020@ramanujan.du.ac.in

DIRECTOR, TLC

DR. S. P. AGGARWAL (PRINCIPAL)

ASSISTANT DIRECTORS

DR. SUMIT NAGPAL, Assistant Professor, Department of Mathematics

DR. NIKHIL KUMAR RAJPUT, Assistant Professor, Department of Computer Science

DR. VIBHASH KUMAR, Assistant Professor, Department of Commerce & Management

Studies

Teaching Learning Centre
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(Accredited Grade 'A' by NAAC)
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Ph: +91-11-26430192

Email: ramanujancollege2010@gmail.com, tlc@ramanujan.du.ac.in
Website: <http://www.rcdu.in>, <http://www.tlc.rcdu.in>



UGC-Human Resource Development Centre University of Hyderabad

Central University P.O., Hyderabad – 500 046, Telangana.

Programme Schedule for the Academic Year 2021-22

REFRESHER COURSES (RC)

Sl No.	Course	Dates	Eligibility
1.	Refresher Course on Research Methodology for faculty of Social Sciences	19 th July (Monday) to 31 st July (Saturday), 2021	Lecturers/Readers or Asst. and Associate Professors from Social Sciences(Quantitative Methods for History, Economics, Sociology, Anthropology, Law, Political Science, Psychology, Management Studies, Education, Commerce)
2.	Refresher Course on English Language Studies	2 nd August (Monday) to 14 th August (Saturday), 2021	Lecturers/Readers or Asst. and Associate Professors from English Language
3.	Refresher Course on Life Sciences	13 th September (Monday) to 25 th September (Saturday), 2021	Lecturers/Readers or Asst. and Associate Professors from Biology, Biochemistry, Biotechnology, Animal Sciences and Plant Sciences
4.	Refresher Course on Commerce & Management	20 th September (Monday) to 2 nd October (Saturday), 2021	Lecturers/Readers or Asst. and Associate Professors from Commerce & Mgmt.
5.	Refresher Course on Social Sciences	18 th October (Monday) to 30 th October (Saturday), 2021	Lecturers/Readers or Asst. and Associate Professors from Social Sciences(Quantitative Methods for History, Economics, Sociology, Anthropology, Law, Political Science, Psychology, Education, Commerce)
6.	Refresher Course on Chemistry	8 th November (Monday) to 20 th November (Saturday), 2021	Lecturers/Readers or Asst. and Associate Professors from Chemistry
7.	Refresher Course on Information and Computer Technology	7 th March (Monday) to 19 th March (Saturday), 2022	Lecturers/Readers or Asst. and Associate Professors from all disciplines
8.	Refresher Course on Computational Social Sciences	17 th January (Monday) to 29 th January (Saturday), 2022	Lecturers/Readers or Asst. and Associate Professors from Social Sciences(Quantitative Methods for History, Economics, Sociology, Anthropology, Law, Political Science, Psychology, Management Studies, Education, Commerce)

SHORT TERM PROGRAM (STP)

Sl No.	Course	Dates	Eligibility
1.	Gender Sensitization	16 th August (Monday) to 21 st August (Saturday), 2021	Lecturers/Readers or Asst. and Associate Professors from all disciplines
2.	Disaster Management	13 th December (Monday) to 18 th December (Saturday), 2021	Lecturers/Readers or Asst. and Associate Professors from all disciplines
3.	Information and Computer Technology	17 th January (Monday) to 22 nd January (Saturday), 2022	Lecturers/Readers or Asst. and Associate Professors from all disciplines
4.	Academic Writing	21 st March (Monday) to 26 th March (Saturday), 2022	Lecturers/Readers or Asst. and Associate Professors from all disciplines

FACULTY INDUCTION PROGRAMME (FIP)

Sl No.	Course	Dates	Eligibility
1.	Faculty Induction Programme I	1 st September (Wednesday) to 30 th September (Thursday), 2021	Lecturers/Readers or Asst. and Associate Professors from all disciplines
2.	Faculty Induction Programme II	1 st November (Monday) to 30 th November (Tuesday), 2021	Lecturers/Readers or Asst. and Associate Professors from all disciplines
3.	Faculty Induction Programme III	2 nd February (Wednesday) to 3 rd March (Thursday), 2022	Lecturers/Readers or Asst. and Associate Professors from all disciplines

Faculty Induction Programmes – 3, Short Term Programmes – 4 and Refresher Courses – 8

Note:

1. All the courses will be conducted in online mode.
2. The courses to be conducted in future will be announced later.
3. Interested participants may apply online for the above mentioned courses by registering on <https://forms.gle/vT8cmzk1jq3kB8Q47>

The registration fee for the courses is Rs.1000/- to be paid by online mode.

Account Name : Director, HRDC

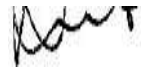
Bank Name : State Bank of India

Account Number: 10222816364

IFSC Code : SBIN0005916

Branch : HUC branch

4. Requirements for the workshop: Desktop/ Laptop with good internet speed and necessary data pack & functional webcam, microphone and headphones are compulsory.



**Director,
UGC-HRDC**



TEACHING LEARNING CENTRE

Ramanujan College

(Accredited Grade 'A' by NAAC)

University of Delhi

in collaboration with

DEPARTMENT OF CHEMISTRY

Rajdhani College

University of Delhi

under the aegis of

MINISTRY OF EDUCATION

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

is organising an

ONLINE TWO-WEEK REFRESHER COURSE IN

NATURAL SCIENCES

20 September - 04 October 2021



**CALL FOR REGISTRATION
AND PARTICIPATION**

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

RAJDHANI COLLEGE

Rajdhani College, a constituent College of the University of Delhi, is a premier institution with highly qualified academicians imparting education in different fields. Established in 1964 by the Delhi Administration in Kirti Nagar, New Delhi under the name of Government College, this was renamed as Rajdhani College when the Delhi administration vested its governance in an autonomous Governing Body. A beautiful and spacious college building was constructed in 1976-77 which was inaugurated by the then President of India, Sh. Fakhruddin Ali Ahmed.

The College is situated in West Delhi on Mahatma Gandhi Marg (Ring Road) near Raja Garden, New Delhi and is accessible from all corners of Delhi. Its strategic location makes the college much sought apart from its academic excellence.

Over the years, the college has carved a niche for itself, and is known to be one of the leading colleges of University. The College today enjoys a reputation for outstanding performance not only in academics but also in sports and extra-curricular activities. We are committed to provide an enabling environment in which holistic growth of every student is possible.

The College has completed 57 years in the realm of imparting higher education, and has made significant contribution towards society by producing numerous intellectuals, scholars, journalists, singers, civil servants, and sports persons who served different provinces not only in our own country but even at international levels.



DEPARTMENT OF CHEMISTRY

The Department of Chemistry, Rajdhani College was established in 1966. It has twenty-four highly qualified eminent faculty members. In addition, the Department is supported by a dedicated and hard-working team of non-teaching staff members. The Department is committed to focus on learning and adapting new methodologies to achieve productive outcomes. The teaching faculty is well-trained with innovative ways of teaching in offline as well as online mode. The Department has three well-equipped and ventilated labs with all the necessary equipment, along with an instrumentation laboratory.

Facility of a modern computer laboratory is also available to the Department. Along with teaching, faculty members are also actively involved in research, and have presented papers and posters at various national and international conferences across the country. In recent times, Department has organized various national and international conferences, workshops, seminar in an online mode that has been attended by faculty members, research scholars and students from different parts of the country. The Rajdhani College Chemistry Department have excelled in academics, both at national and international levels. The Department frequently organises the alumni meet, and is well-connected with their alumni.



CONCEPT NOTE

Astronomy, Biology, Chemical Sciences, Earth Science, and Physics are some important fields that are in constant development, and continuous progress and research in these subjects have great importance for societal development as well for the environment. The recent developments in various disciplines of natural sciences have given new perspectives or solutions to many environmental problems. In recent years, it has been applied to medicine and healthcare for the development of nanodevices to monitor and treat lethal diseases. Promising results have also been obtained in agricultural

sectors by implementing various nanotechnological products that have enhanced crop productivity and quality, and hence, catering the needs of growing population across the world. Remarkable achievements have been obtained in detecting and cleaning environmental harmful wastes, offering energy-efficient products at the same time. Advancements in food industry, medicine and healthcare, engineering and technology, space industries, pharmaceuticals, all stem from the study of the natural sciences.

Through this refresher course, faculty members and research scientists from various institutes will be able to enhance their knowledge on the most recent developments in the field of natural sciences. Through a series of lectures that has been designed in various domains of natural sciences, a relevant and innovative skill-based learning material is expected to be obtained. The objective of this course is to enable participants to have an understanding about how the universe behaves, examining the ways in which humans affect and utilize the environment, finding new ways to protect our planet and preserve biological diversity, preparing for natural disasters, pest-management, and how they can contribute to sustainable development. It will also help faculty members to integrate the learnings of this subject into the other main subject areas.

THEMATICS

- **Climatology**
- **Cosmology**
- **Disaster Preparedness**
- **Environmental Science**
- **Food Science**
- **Geospatial Technology**
- **Nanotechnology**
- **Pest-Management**

RESOURCE PERSONS



PROF. BHAGWAN SINGH
Kurukshetra University



PROF. S.K. DHAKA
Rajdhani College, University of Delhi



PROF. JITENDER M KHURANA
Professor (Former), Department of Chemistry
University of Delhi



PROF. LIAQAT ALI KHAN RAO
Aligarh Muslim University



DR. ANIL KUMAR MISHRA
Director, Institute of Nuclear
Medicine & Allied Sciences, DRDO



DR. HIMANSHU OJHA
Senior Scientist, Institute of Nuclear
Medicine and Allied Sciences, DRDO

RESOURCE PERSONS



DR. SUMIT KUMAR MISHRA
Principal Scientist
CSIR-NPL



DR. ARUN SHRIVASTAVA JHA
Associate Professor
Jawaharlal Nehru University



DR. VINOD KUMAR
Associate Professor
Jawaharlal Nehru University



DR. JAGBIR SINGH
Associate Professor, SSN College
University of Delhi



DR. K. K. SHARMA
Network Coordinator
ICAR-Indian Agricultural Research Institute



DR. SHAKEB AHMAD
Associate Professor
Aligarh Muslim University



DR. NEERAJ PATANJALI

Scientist, Division of Agricultural Chemicals
Indian Agricultural Research Institute



DR. MUKESH KHANDELWAL

Associate Professor
Jawaharlal Nehru University

REGISTRATION PROCESS & PAYMENT DETAILS

ELIGIBILITY

Faculty members (regular/adhoc/temporary) from Physics, Chemistry, Botany, Zoology, Earth Science, Environmental science, Astronomy 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: 19 September 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 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**
- **The Refresher Course is beneficial for the Career Advancement Scheme (CAS)**

For further information, write to us at:
nsciences@ramanujan.du.ac.in

ORGANISING BOARD OF THE REFRESHER COURSE

DIRECTOR (Teaching Learning Centre, Ramanujan College)

Prof. S.P. Aggarwal

Principal, Ramanujan College, University of Delhi

PATRON

Prof. Rajesh Giri

Principal, Rajdhani College, University of Delhi

PROGRAMME DIRECTORS

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Ramanujan College, University of Delhi

Dr. Poonam Pipil

Rajdhani College, University of Delhi

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Ramanujan College, University of Delhi

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Dr. Rajni Grover (Teacher-In-Charge)

Rajdhani College, University of Delhi

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Miranda House, University of Delhi

Dr. Shramila Yadav

Rajdhani College, University of Delhi

ORGANISING TEAM

Dr. Sachin Tomer

Ramanujan College, University of Delhi

Dr. Ritu Payal

Rajdhani College, University of Delhi

Ms. Shipra Yadav

Ramanujan College, University of Delhi

Dr. Mukesh Kumar Saini

Rajdhani College, University of Delhi



Government of India
Ministry of Human Resource
Development

MINISTRY OF HUMAN RESOURCE DEVELOPMENT

**PANDIT MADAN MOHAN MALAVIYA
NATIONAL MISSION ON TEACHERS AND TEACHING
TEACHING LEARNING CENTRE
RAMANUJAN COLLEGE
(UNIVERSITY OF DELHI)**

**TWO WEEK WORKSHOP
ON**

**'From e-Learning to e-Training: A Comprehensive Guide for
all your Administrative Work'**

25th May – 3rd June 2020

CALL FOR REGISTRATION AND PARTICIPATION



**Organized By
Teaching Learning Centre & Research Development and Services Cell
Ramanujan College, University of Delhi
(Accredited Grade 'A' by NAAC)**

ABOUT PMMMNMTT

The Ministry of Human Resource Development (MHRD) launched the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) in 2017. One of the main objectives of this mission is to facilitate teacher training by constituting Teaching Learning Centers in various institutions of higher education in our country. The Teaching Learning Centers (TLCs) are mandated to promote on a continuous basis the learning of new pedagogical practices, methodology of forming discipline-specific curricula and creating new learning materials (including e-content) for use by the teachers in colleges and postgraduate departments. It is envisioned that the TLCs will accelerate the teaching-learning process by encouraging independent critical and creative thinking and facilitating research for subject-specific growth.

CONCEPT NOTE

The teaching and non-teaching staff are the 2 pillars of strength in any academic institution. They work in tandem with each other to ensure that their institution achieves excellence and supremacy in every domain of education. For their undying support and loyalty, it is the responsibility of every academic institution to conduct workshops/seminars that can boost morale and confidence of its employees.

E-learning is a formalized way of teaching-learning but with the use of electronic resources. With the onset and advancement of technology, the concept of e-learning is fast gaining pace and momentum thus making it widely acceptable by people from all walks of life. Owing to the COVID-19 pandemic which has resulted in the temporary closure of educational institutions across the globe, e-learning is one arena which has remained unaffected and instead has witnessed an exponential increase in it. More so, with the Ministry of Human Resource Development (MHRD), Government of India, launching an initiative like 'Digital India' and the recently launched 'Bharat Padhe Online' campaign to sensitize and digitize India about the need for online education, it is the need of the hour for all educational institutions to facilitate dissemination of knowledge through e-resources.

Ramanujan College, in the year 2019, conducted the first one of its kind of a Three Days workshop for the Non-Teaching Staff to instill and impart morals, values and ethics to develop a positive attitude and mindset for holistic growth and development. This workshop was very much liked and appreciated by one and all which has prompted us to conduct an e-workshop for the both the non-teaching staff and the teaching staff primarily involved in administrative tasks. This leads to the question of:

Why Should the Teaching Fraternity also join this workshop?

- ❖ Nowadays, teachers are involved in a bulk of administrative activities (apart from regular teaching) like record keeping, settling bills of various activities/events, administering exams, preparing minutes of meeting, preparation for NAAC, stocktaking etc. Attending such a workshop will give them a know-how of the tools which can reduce their burden of work.

Being in a state of complete isolation has taken a toll not only on our mental and physical wellbeing but has also resulted in monotony and boredom. There is a vast

difference between e-learning and e-training, where the former imparts knowledge, the latter inculcates practical and hands-on experience to the learners. This workshop aspires to bridge the gap leading to a wholesome and well-rounded person. Unlike the previous one, the most striking feature of this workshop is its virtual engagement with all participants/learners.

The period of lockdown has made one thing noticeably clear to all of us: Work can never stop under any circumstances. Thus, giving rise to the concept of **Work from Home (WFH)**. WFH, to be explained in a nutshell, means the practice of working from your place of comfort and meeting job related deadlines and deliverables as should be the case when you are physically present in the office. This was very much prevalent in the private sector but not much actively used in the public sector. The pandemic has made us realize that work can be performed from anywhere thus erasing all geographical boundaries and regions.

This leads to the following discussion of:

Benefits of this Workshop

- ❖ **Flexible Schedule:** You can take breaks at any moment while going through the course material to complete other chores sitting in the backdrop of your cozy environment
- ❖ **Good Work-Life Balance:** You can strike a balance between your professional life and personal life by tending to the needs of the family as well as work i.e .attending this workshop
- ❖ **Zero and hassle-free Commuting:** Instead of going through the chaos on roads every time to attend an event, attending an online event like this workshop prevents you from the hassles of travelling

As you would very well know, such workshops for easing our administrative tasks are quite unheard of and a rarity too. The knowledge that will be imparted through this workshop will stay with you forever and in case of a lockdown or not, you will be able to apply it conveniently from anywhere at any time.

And as they all say that the virus is here to stay with us for long so who knows when this lockdown will get lifted or get extended again. So, this is the best time to grab such an opportunity and make the most out of it.

CODE OF ETHICS FOR THE TEACHING AND NON-TEACHING STAFF

- ❖ *By being loyal and faithful to the College in completing all the duties that have been assigned to you*
- ❖ *By strictly adhering to the rules, regulations, policies of the College*
- ❖ *By treating students, staff and colleagues with dignity and respect*
- ❖ *By building strong and healthy relations to ensure that the operational functioning of the college does not get hampered*
- ❖ *By ensuring that every task performed must meet the required standards and quality of work should not be compromised*
- ❖ *By not indulging in unfair or unethical means which could earn a disrepute for the College*

OBJECTIVES OF THE WORKSHOP

- ❖ *Hands on Training on the following software tools:*
 - *Advanced features of Word Processing and Spreadsheets*
 - *Google Forms*
 - *Google Sites*
 - *Digital Signatures*
 - *Mail Merge in Gmail*
 - *Preparing minutes through audio tools*
 - *Task Management*
- ❖ *Revised NAAC Assessment and Accreditation: Preparing documentation for NAAC*

EXPECTED LEARNING OUTCOMES

- ❖ *To systematically keep track of the past records*
- ❖ *To extract the useful information from vast collection of data*
- ❖ *To equip yourself to prepare NAAC documentation with ease*
- ❖ *To utilize these tools in the administrative work to the best of your knowledge which facilitates understanding the complex nature of your work*

PRE-REQUISITES FOR THE WORKSHOP

- ❖ *Anyone with basic knowledge of ICT and usage of internet can be a part of this workshop*

ABOUT RAMANUJAN COLLEGE

Ramanujan College is University of Delhi College located in the well-known area of Kalkaji, near Nehru Place in South Delhi. Ramanujan College has highly qualified, dedicated and committed faculty members. The college runs fifteen courses in different subjects in Humanities, Commerce and Science streams. It is also the study centre for the students of the School of Open Learning, University of Delhi, the Non- Collegiate Women's Education Board, University of Delhi and the Indira Gandhi National Open University. Ramanujan College has also been selected by the MHRD as a National Resource Centre. The College also runs several professional courses. The teachers of Ramanujan College are highly motivated and have original, published academic and creative work, including journal and other print media articles and educational film making to their credit. Ramanujan College is a premier institution of the University of Delhi and has been accredited grade "A" by the National Assessment and Accreditation Council (NAAC). The college has also been ranked 26th in the National Institute Ranking Framework (NIRF 2018). We at Ramanujan College emphasize on the holistic development of personality, meaningful exposure to real world, and inculcating practical skills amongst our students apart from ensuring academic excellence.

REGISTRATION DETAILS

ELIGIBILITY AND OTHER RULES

- ❖ **Any teaching staff (involved in any administrative activity) and non-teaching staff (regular/adhoc/temporary) affiliated to a college/university are eligible to apply for the workshop.**
- ❖ All the participants are requested to register on the link: <https://forms.gle/hDRnDnxobj7bM7WU9> on or before **23rd May, 2020**
- ❖ It is MANDATORY for all the non-teaching staff of Ramanujan College to attend the workshop.
- ❖ Registration for all the participants (including the non-teaching staff of Ramanujan College) is compulsory.
- ❖ Registration fee of **Rs. 750** for all the participants need to be made online (payment details are provided below)
- ❖ **There are NO fixed timings for this MOOC based workshop. Participants can login at any time in the day to view the lectures at their own convenience. The process for login will be mailed to all the registered participants along with the other instructions for joining the online course.**
- ❖ After each session, participants will have to fill up the online feedback form
- ❖ An assignment will be given after each session which has to be submitted by all the participants
- ❖ An online test to assess the knowledge of the participants regarding the topics covered will be conducted on the last day of the workshop
- ❖ Based on the number of assignments submitted and result of the online test, an e-certificate will be issued to the participants.
- ❖ As the workshop is being organized under the prestigious PMMMNMTT scheme of MHRD, we at TLC, Ramanujan College give prime importance to willing and serious participants who are eager to learn. In this context, it should be noted that certificates will be awarded to only those participants who will be present online and engaged during each session of the workshop. Therefore, it is compulsory for participants to attend all the online sessions to receive certificate of participation.

PAYMENT DETAILS

Account Name: Principal, Ramanujan College
Account Number: 0156000100585618
Bank & Branch: Punjab National Bank, Kalkaji
IFSC: PUNB0015600
MICR Code: 110024052

TEACHING LEARNING CENTRE, RAMANUJAN COLLEGE
DIRECTOR

DR. S. P. AGGARWAL (PRINCIPAL)

ASSISTANT DIRECTORS

DR. SUMIT NAGPAL, Assistant Professor, Department of Mathematics
DR. NIKHIL RAJPUT, Assistant Professor, Department of Computer Science
DR. VIBHASH KUMAR, Assistant Professor, Department of Commerce and
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PROGRAM COORDINATOR

MS. NIDHI MATHUR, Senior Assistant, Department of Vocation (B.Voc)
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Teaching Learning Centre
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Email: tlc@ramanujan.du.ac.in

Website: <http://www.ramanujancollege.ac.in>

**UGC-Human Resource Development Centre
University of Hyderabad
Refresher Course on Life sciences (13th to 25th September, 2021)**

**Course Coordinators: 1. Professor Y. Sreenivasulu, Dept. of Plant Sciences, UoH
2. Dr. Santosh R. Kanade, Dept. of Plant Sciences, UoH**

Date / Day	1st Session 10:00 am – 11:30 am		2nd Session 11:45 am – 01:15 pm		3rd Session 02:00 pm – 03:30 pm		4th Session 03:45 pm - 05:15 pm
13.09.2021 Monday	Inaugural + Session Speaker: Prof. B J Rao Vice-chancellor UoH Email: vc@uohyd.ac.in Title: Doing and learning Science is a sheer joy	T E A B R E A K	Speaker: Prof K Babu Rao brkalapala@gmail.com Title :Planetary Emergency	L U N C H	Speaker: Dr.S.Rajkumar, Principal Scientist, NBPGR, New Delhi Mail id: rainbpgr@gmail.com Title:Management of plant genetic resources in India: An overview	T E A B R E A K	Speaker: Dr Girish K Radhakrishnan National institute for Animal Biotechnology Hyderabad girish@niab.org.in Title: Brucellosis: The re- emerging bacterial zoonotic disease of global significance.
14.09.2021 Tuesday	Speaker: Prof. Naresh Babu V. Sepuri Dept Biochemistry UoH Ph nareshuohyd@gmail.com		Speaker: Prof. Amitabh Joshi JNCASR Bangalore ajoshi@jncasr.ac.in		Dr. Amit Kumar, Senior Principal Scientist, CSIR-IHBT, Palampur Mail id: amitkr@ihbt.res.in		Dr. Lalitha R Gowda CFTRI/FSSI, Mysore lrgowda2k11@gmail.com

	Title; Mitochondrial redox homeostasis in health and diseases		Title: Evolutionary biology in the lab, and beyond		Title:Basics of remote sensing and its applications		Title: Food Safety: What you should know.
15.09.2021 Wednesday	<p>Speaker: Dr. K Rajagopal PCT, CFTRI Mysore Probiotics rajagopalk@cftri.res.in</p> <p>Title: BUGBUSTER a second generation antimicrobial peptide</p> <p>:</p>		<p>Speaker:Prof. Gopal Marathe K Biochemistry and Molecular Biology University of Mysore Manasagangothri-570006 INDIA marathe1962@gmail.com</p> <p>Title: 50 Years Since The Discovery of PAF (Platelet Activating Factor)</p>		<p>Speaker: Prof. Sarada Subramanian Dept of Neurochemistry NIMHANS Bangalore sarada@nimhans.ac.in</p> <p>Title; 'Áging brain & Alzheimer's dementia'</p>		<p>Speaker: Dr. Shamprasad Varija Raghu Mangalore University shamprasadvarijaraghu@googlemail.com</p> <p>Title; <i>Drosophila</i>: A transgenic model in Biomedical Research.</p>
16.09.2021 Thursday	<p>Speaker; Prof. Sreenivasulu Kurukuti Department of Animal Biology University of Hyderabad skurukuti@gmail.com</p>		<p>Speaker: Dr.R.K Sharma Senior Principal Scientist, CSIR-IHBT, Palampur (H.P.)</p> <p>Mail id: ramsharma@ihbt.res.in</p>		<p>Speaker: Prof. Rajagopal Subramanyam Department of Plant Sciences UoH rajagopal98@gmail.com</p>		<p>Speaker: Dr. Rakesh Pandey Dept of Bioinformatics BHU drakeshpandey@gmail.com</p> <p>Title: Some Applications of</p>

	Title: " Gene Regulation in 5 th Dimension"		Title: DNA Fingerprinting		Title;Acclimation of photosynthesis to abiotic stress leads to product		Mathematics in Biology"
17.09.2021 Friday	Speaker: Prof.Appa Rao Podile Department of Plant Sciences University of Hyderabad Email: podilerao@gmail.com Title: Receptors and Ligands in plant-microbe interactions		Speaker: Prof K S Girish Tumkur University ksgbaboo@gmail.com Title: Role of iron in platelet activation and death		Speaker:Dr BinduMadhav Reddy Aramati Dept of Animal biology UoH binduaramati@gmail.com Title:Pleotropic roles of RUNX in development and disease:cancer biology prospective		Title:Speaker: Dr. Irfan Ghazi Dept of Plant Sciences UoH drirfang@gmail.com Title: How to deliver scientific talk
18.09.2021 Saturday	Speaker: Prof. K. Hanumae Gowd Central University of Karnataka hanumae@gmail.com khgowd@cuk.ac.in		Speaker: Prof Anil Kumar, Director Education Rani Lakshmi Bai Central Agricultural University, Jhansi (UP) anilkumar.mbge@gmail.com		Speaker: Prof. Bramanandam Manavathi HCU Manavathibsluohyd.ernet.in manavbrahma@yahoo.com		First Evaluation

	Title: From venom to drug- a tale conus venom peptide		Title: Transformation of Bio-resources to wealth through interventions of nano- bio-information technology for nutritional and health security		Title: Cancer cells- Being heterogenous to become as deadly as possible		
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Date / Day	1 st Session 10:00 am – 11:30 am		2 nd Session 11:45 am – 01:15 pm		3 rd Session 02:00 pm – 03:30 pm		4 th Session 03:45 pm - 05:15 pm
20.09.2021 Monday	<p>Speaker: Dr E Kunhi Krishnan University of Kerala Trivandrum ekunhi@gmail.com</p> <p>Title: Conservation of Biodiversity in the Western Ghats: issues and challenges</p>	T E A B R E	<p>Speaker: Prof K.Kemparaju University of Mysore kemparajuom@gmail.com</p> <p>Title: "Indian saw-scaled viper (<i>Echis carinatus</i>) venom-induced tissue destruction at the bite site, understanding the mechanism, and its management"</p>	L U N C H	<p>RTGR/Prof. Rameshwar P Sharma Genome editing UoH syellamaraju@gmail.c om</p>	T E A B R E	<p>RTGR/Dr. Y. Sreelakshmi UoH syellamaraju@gmail.com</p>

21.09.2021 Tuesday	<p>Speaker: Dr Akash Gulyani Department of Biochemistry UoH</p> <p>akash.gulyani@gmail.com</p> <p>Title: Natural and engineered light sensors</p>	A K	<p>Speaker; Prof. Ch. Venkataramana HCU</p> <p>cvr449@gmail.com</p> <p>Title;</p>	A K	<p>RTGR/Dr. Y. Sreelakshmi UoH syellamaraju@gmail.com</p>	<p>RTGR/Dr. Y. Sreelakshmi UoH syellamaraju@gmail.com</p>
22.09.2021 Wednesday	<p>Speaker: Prof Nagarajaram Department of Systems and computational Biology UoH</p> <p>nagarajaram@gmail.com</p> <p>Title: Interesting aspects of the human protein protein interaction network</p>		<p>Speaker: Dr Harsha Hegde Scientist E ICMR-National Institute of Traditional Medicine harshah@icmr.gov.in,</p> <p>Title: Bioprospecting Medicinal Plants: Challenges and opportunities</p>		<p>Speaker; Prof. Jagreet Kaur Delhi University</p> <p>Mail id: jagreetk@yahoo.com</p> <p>Title: Host-pathogen interactions in plants</p>	<p>Speaker; Dr. Nooruddin Khan Department of Animal Biology UoH</p> <p>noorhcu@gmail.com</p> <p>Title: Vaccines</p>
23.09.2021 Thursday	<p>Speaker: Prof. P Prakash Babu Department of Biotechnology and Bioinformatics UoH</p> <p>prakash@uohyd.ac.in</p>		<p>Speaker: Dr. MANOJ PRASAD National Institute of Plant Genome Research Aruna Asaf Ali Marg; New Delhi-110067; India Email; manoj_prasad@nipgr.ac.in</p>		<p>Speaker: Dr. M. Ravi, IISER-Trivandrum, Kerala</p> <p>Mail id: ravigene@gmail.com</p> <p>Title: Exploiting uniparental genome</p>	<p>Test Preparation</p>

	Title: Neurodegenerative diseases: Basics and beyond		Title: Battle against viruses: smallRNAs as the defenders		elimination to produce in vivo haploid plants		
24.09.2021 Friday	<p>Speaker: Prof. Rajendra Pilankatta Central University of Kerala Molecular Virology praj74@gmail.com</p> <p>Title: Emerging viral infections and janus face of host immune response</p>		<p>Speaker: Prof G Ravi Gutti Dept of Biochemistry UoH guttiravi@gmail.com</p> <p>Title; MicroRNA therapeutics: Discovering novel targets and developing specific therapy</p>		<p>Speaker: Prof. G Padmaja Head Dept Plant Sciences UoH gudipallipadmaja@gmail.com</p> <p>Title: <i>In vitro</i> production of plant secondary metabolites: Approaches, Advances and Prospects</p>		Evaluation
25.09.2021 Saturday	<p>Participant/Interaction Session</p> <p>Dr. Rahul Kumar, J. Madhuprakash, UoH</p>		<p>Participant/Interaction</p> <p>Dr. Rahul Kumar, J. Madhuprakash, UoH</p>		Valedictory		

Sessions timings: 1st Session 10:00 to 11:30 am

2nd Session 11:45 to 1:15 pm

3rd Session 2:00 to 3:30 pm

4th Session 3:45 to 5:15 pm



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