

RECENT TRENDS IN DOMINATION AND GRAPH LABELLING (RTDGL 2021)

PRE-CONFERENCE WORKSHOP

ORGANIZED BY

**DEPARTMENT OF MATHEMATICS
RAMANUJAN COLLEGE
UNIVERSITY OF DELHI**

IN COLLABORATION WITH

**ACADEMY OF DISCRETE MATHEMATICS
AND APPLICATIONS (ADMA)**

27TH MAY – 31ST MAY 2021

REGISTRATION LINK

<https://bit.ly/3ak17Wm>

**TO REGISTER
SCAN QR CODE**



Recent Trends in Domination and Graph Labelling (RTDGL 2021) 27 MAY – 31 MAY 2021

ABOUT THE RAMANUJAN COLLEGE

Named after the great Indian Mathematician, Ramanujan College, formerly known as Deshbandhu College (Evening) is one of the Constituent Colleges of University of Delhi 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 sixteen courses in different subjects of Humanities, Commerce, Science and Vocation streams. It is also a Study Centre for the students of the Non- Collegiate Women's Education Board, University of Delhi and the Indira Gandhi National Open University. The College also runs a number of professional courses on Human Rights, Radio Broadcasting, Mass Media, Happiness, Data Sciences and IFRS.

The College has highly qualified, committed, research-oriented and talented teaching faculty who encourage inter-disciplinary approaches to the teaching-learning process through innovation projects, conferences, seminars, talks and workshops. The teaching faculty adapts new pedagogic methods and uses latest available technology for an effective implementation of the curriculum.

Ramanujan College has been accredited grade "A" by the National Assessment and Accreditation Council (NAAC). The college has been ranked 61st in the National Institutional Ranking Framework (NIRF 2020). The College has acquired many prestigious schemes of Ministry of Education (MoE), erstwhile Ministry of Human Resource Development (MHRD):

- Deen Dayal Upadhyay Centre for Knowledge Acquisition and Up-gradation of Skilled Human Abilities and Livelihood (KAUSHAL) in 2016;
- Teaching Learning Centre (TLC) under the aegis of the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) in 2017;
- National Resource Centre (NRC) for developing specialized Online and MOOC courses for teachers in the disciplines of Ethics, Human Rights and Environment in 2018.

Ramanujan College is the only institution in the University of Delhi which has been sanctioned KAUSHAL Kendra and the second college of the University of Delhi to be awarded TLC. The college has also collaborated with academic institutions abroad for student-teacher exchange programmes and also for providing opportunities for students of the college to study abroad.

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.

ABOUT THE DEPARTMENT OF MATHEMATICS

The Department of Mathematics is one of the long-established departments of Ramanujan College. Earlier, B. A. Programme Mathematics and few courses (Business Statistics and Business Mathematics) of B. Com. (H) were handled by the Department of Mathematics. In the academic session 2013-14, the Department of Mathematics offered honours course in Mathematics under the FYUP scheme of courses which was later re-framed into three-year undergraduate course. Since 2016, the Department is admitting students in B.Sc. (H) Mathematics under the Choice based credit system (CBCS). Apart from honours course, the Department also offers Mathematics as a Discipline and Skill Enhancement Course in BA Programme and Generic Elective Course to other honours students.

The Department aims to create a solid foundation for the assimilation of mathematical concepts and structures and build mathematical skills like creative, logical and analytical thinking. Software such as Mathematica is used to increase the understanding of the fundamental mathematical concepts. It has a vibrant Society – *RamanuGen* that promotes student's interests in the subject by organizing activities with their enthusiastic involvement.

The Department has 9 faculty members with their research interests lying in Algebra, Graph Theory, Complex Analysis, Operator Theory and Applied Mathematics. The faculty is research-oriented and has been publishing research articles in peer reviewed national and international journals (specifically Scopus and Web of Science Journals). Faculty members have also presented their work on international platform as well.

ABOUT THE ACADEMY OF DISCRETE MATHEMATICS AND APPLICATIONS (ADMA)

The Academy of Discrete Mathematics and Applications (ADMA) is a registered professional body functioning with the aim of promoting active and quality research in Discrete Mathematics and allied subjects. Established in 2005, it has been successfully disseminating front-line research culture among the discrete mathematicians in India.

Its annual conferences are being organized every year in the month of June so that the dates of the conference include June 10th as Graph Theory Day marking the birth anniversary of Professor E. Sampathkumar, the pioneer in introducing Graph Theory into the postgraduate curriculum in India during the academic year 1970-71 at the famed Karnatak University, Dharwad.

For more details visit : <http://www.adma.co.in/home>

ABOUT THE WORKSHOP

The Department of Mathematics, Ramanujan College and Academy of Discrete Mathematics and Applications (ADMA) are jointly organizing five Day Virtual Workshop on "Recent Trends in Domination and Graph Labelling (RTDGL 2021)" from 27th May 2021 to 31st May 2021 with an aim to provide emerging researchers- an exposure to the current research scenarios, discussions, problem-solving sessions in the subject. The target group of Workshop includes Research Scholars, Faculty members and interested final year PG students.

TENTATIVE LIST OF SPEAKERS

Prof. Ambat Vijayakumar Emeritus Professor of Mathematics Cochin University of Science and Technology, Kochi, Kerala	Prof. B.S Panda Professor Department of Mathematics IIT Delhi, Delhi
Prof. Deepa Sinha Professor Department of Mathematics South Asian University, Delhi	Prof. Fr. Joseph Varghese Professor Department of Mathematics CHRIST (Deemed to be University) Bengaluru, Karnataka
Prof. G. Sethuraman President ADMA Professor Anna University, Tamil Nadu	Prof. Mukti Acharya Visiting Research Mentor, Department of Mathematics CHRIST (Deemed to be University) Bengaluru, Karnataka
Prof. Paulraj Joseph Professor Department of Mathematics Manonmaniam Sundaranar University Tamil Nadu	Prof. Purnima Gupta Former Director (2018-21) Central Board of Directors State Bank of India
Prof. Samir K. Vaidya Vice-President ADMA Professor and Head Department of Mathematics, Saurashtra University, Gujarat	Prof. S. Arumugam Adjunct Professor Department of Mathematics Amrita Vishwa Vidyapeetham Tamil Nadu
Prof. Suresh M Hegde Professor Department of Mathematics National Institute of Technology Karnataka (NITK), Karnataka	Prof. Tarkeshwar Singh Professor Department of Mathematics BITS Pilani K K Birla Goa Campus Goa

ELIGIBILITY

- ❖ The workshop RTDGL 2021 is open to Faculty members (regular/ad-hoc/temporary) from any Indian university/college, registered M.Phil./ Ph. D. research scholars in the disciplines of Mathematics, Statistics, Computer Science and its allied fields, interested final year PG students and industry people.
- ❖ All the participants are requested to register online **on or before 26th May 2021 by browsing the following link:**
<https://bit.ly/3ak17Wm>
(See the details provided below regarding the payment process).
- ❖ Registration for all the participants is mandatory.

REGISTRATION PROCESS

STEP-1

The participants must make the prescribed payment of

Rs. 500/- (Non - Refundable) Non-ADMA Members

Rs. 300/- (Non - Refundable) ADMA Members

through NEFT/IMPS/UPI to the below mentioned account and take a screenshot of the payment:

Bank: ICICI Bank

Branch: Kalkaji, New Delhi-19

A/C Name: Principal Ramanujan College

A/C No: 072001003912

IFSC: ICIC0000720

STEP-2

Make a Gmail account (if you don't have) and use the same credentials during the whole duration of the Programme for further communication.

STEP-3

Participants need to fill up the online registration form:

<https://bit.ly/3ak17Wm>

with all the required details within the final date of submission using the Gmail account (as mentioned in Step-2). Please attach the screenshot of the payment while filling the registration form. Please take utmost caution in filling the payment transaction details in the form. Kindly take note that late applications and payments will not be accepted. The last date of registration is 26th May 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:

- The workshop RTDGL 2021 begins on 27th May 2021. The detailed day-wise program schedule will be communicated only to the registered participants before the start of workshop. Please monitor the corresponding Telegram Group regularly.
- The sessions on various themes of the workshop will be conducted live.
- There will be session wise attendance and feedback, it is mandatory for all participants to attend all sessions and submit online feedback for each session.
- Failing to attend 90% sessions and to submit 90% of feedback forms will result in denial of a certificate of completion to the participants.

For further queries, please mail us at:
mathematics@ramanujan.du.ac.in

ORGANIZING BOARD

CONVENOR

DR. RAJESH SINGH, Assistant Professor, Department of Mathematics

CO-CONVENOR

DR. DEEPAKSHI SHARMA, Assistant Professor, Department of Mathematics

ORGANIZING MEMBERS

DR. MEGHA AGARWAL, Assistant Professor, Department of Mathematics

MR. PAPPU, Assistant Professor, Department of Mathematics

DR. SUMIT NAGPAL, Assistant Professor, Department of Mathematics

MR. RAHUL SINGH, Assistant Professor, Department of Mathematics

DR. VIRENDRA KUMAR, Assistant Professor, Dept. of Mathematics

MR. DEEPAK KUMAR, Assistant Professor, Department of Mathematics

MR. SANYAM GUPTA, Assistant Professor, Department of Mathematics

Ramanujan College

(Accredited Grade 'A' by NAAC)

University of Delhi

H Block, Kalkaji, New Delhi - 110019

Email: mathematics@ramanujan.du.ac.in

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