

Report of Implosion 2020 (Annual Fest)

Department of Mathematics

Ram Lal Anand College

Department of Mathematics organized its annual departmental fest **Implosion** on March 5, 2020, through online mode. Mr. Basant Mishra, Mr. Kapil Kumar (Teacher in Charge), Mr. Sandeep Bhatt, Dr. Dileep Kumar, Dr. Pooja Bansal along with students were present for this event. Students from our college and various colleges from Delhi University attended this event. The total number of attendees for this event was 174. Following five events were held by students with the help of faculty members:

1. **Presents: PPT Competition**
2. **Brainathon: The fastest brain wins**
3. **Sudoku Splendor**
4. **Trade Station: The livestock market bidding**
5. **Enigma**

Details of Events:

1. Presents: PPT Competition

Teacher Coordinator: Dr. Dilip Kumar

Student Coordinator: Mr. Akshat Goyal, Ms. Muskan Kumari

Total Registration: 13

Winners:

Position	Name	Course	College
First	Mukhar Bhardwaj	B.Sc. Physical Science with Chemistry	Zakir Hussain Delhi College
Second	Rashika Pandit	B.Sc.(H) Mathematics	Gargi College
Third	Harshita Gogia	B.Sc.(H) Mathematics	Ram Lal Anand College

2. Brainathon: The fastest brain wins

Teacher Coordinator: Dr. Pooja Bansal

Student Coordinator: Ms. Muskan Negi, Ms. Pracheta

Total Registration: 40

Winners:

Position	Name	Course	College
First	Abhishek Ranjan Pandey	B.Sc.(H) Mathematics	Moti Lal Nehru College
	Shubham	B.Sc.(H) Mathematics	Moti Lal Nehru College
Second	Shambhavi Choudhary	B.Sc.(H) Mathematics	Indraprastha college for women
Third	Tushar	B.Sc.(H) Mathematics	Ram Lal Anand College
	Maresh Chandra	B.Sc.(H) Mathematics	Ram Lal Anand College

3. Sudoku Splendor

Teacher Coordinator: Mr. Sandeep Bhatt

Student Coordinator: Ms. Ishika Agarwal, Ms. Anshika Sangwan

Total Registration: 56

Winners:

Position	Name	Course	College
First	Shiksha Singh	B.Sc.(H) Statistics	Mata Sundri College for Women
Second	Peeyush Choudhary	M.Sc. Mathematics	IIT Roorkee
Third	Mayank Tewatia	B.Sc.(H) Mathematics	PGDAV

4. Trade Station: The livestock market bidding

Teacher Coordinator: Mr. Kapil Kumar

Student Coordinator: Mr. Lovleen Puniyani, Mr. Mohit Yadav

Total Registration: 23

Winners:

Position	Name	Course	College
First	Ritik Goel	BMS	Shaheed Sukhdev College of Business Studies
Second	Ritik Kadian	B.Sc.(H) Mathematics	Ram Lal Anand College
Third	Anurag Singh	B.Sc. H Microbiology	Ram Lal Anand College

5. Enigma

Teacher Coordinator: Mr. Basant Mishra


Student Coordinator: Mr. Abhishek Pachauri, Ms. Shivani Sapra

Total Registration: 42

Winners:

Position	Name	Course	College
First	Yotish Singh Akshay Kapoor	B.Sc.(H) Computer Science B.Sc.(H) Mathematics	Ram Lal Anand College Ram Lal Anand College
Second	Peeyush Choudhary Madan Gopal Agarwal	M.Sc. Mathematics M.Sc. Mathematics	IIT Roorkee Ramjas College
Third	Priyanshi Jain Tanisha Agarwal	B.Com.(H) B.Com.(H)	Deen Dayal Upadhyaya College Deen Dayal Upadhyaya College

Posters of the Events:


DEPARTMENT OF MATHEMATICS
 Ram Lal Anand College
 (DBT Star College)

IMPLOSION'21
PRESENTS


MYSTERIES AROUND WHERE MOST WE SEEK FOR ANSWERS


ENIGMA

REGISTER HERE

5 MARCH
3:00 P.M.

For queries contact:
 Abhishek
 8923928046
 Shivani
 7011256391


 infinity_rlac
 infinity_rlac


DEPARTMENT OF MATHEMATICS
 Ram Lal Anand College
 (DBT Star College)


IMPLOSION'21
PRESENTS

Trade Station

"THE LIVE STOCK MARKET BIDDING"

5 MARCH
1:30 P.M.

REGISTER HERE


 infinity_rlac
 infinity_rlac

FOR QUERIES:
 LOVLEEN 8950515234
 MOHIT 8979727303


DEPARTMENT OF MATHEMATICS
 RAM LAL ANAND COLLEGE
 (DBT STAR COLLEGE)

IMPLOSION'21
Presents

**SUDOKU
SPLENDOR**

Train your brain !!


DATE : 5TH MARCH
TIME : 10 AM ONWARDS

WIN EXCITING CASH PRIZES

Scan to Register

FOR QUERIES CONTACT :
 Ishika : 8449124718
 Anshika : 8287270833


 infinity_rlac
 infinity_rlac


DEPARTMENT OF MATHEMATICS
 RAM LAL ANAND COLLEGE
 (DBT STAR COLLEGE)

Implosion'21
presents

**BRAIN
ATHON**


The fastest brain wins!!

Date : 5th March 21
Time : 11:30 am

Scan to register

for queries contact
 Muskan : 9899873713
 Pracheta : 8569961238


 infinity_rlac
 infinity_rlac


DEPARTMENT OF MATHEMATICS
 Ram Lal Anand College
 (DBT Star College)


IMPLOSION'21
PRESENTS

PRESENTUS

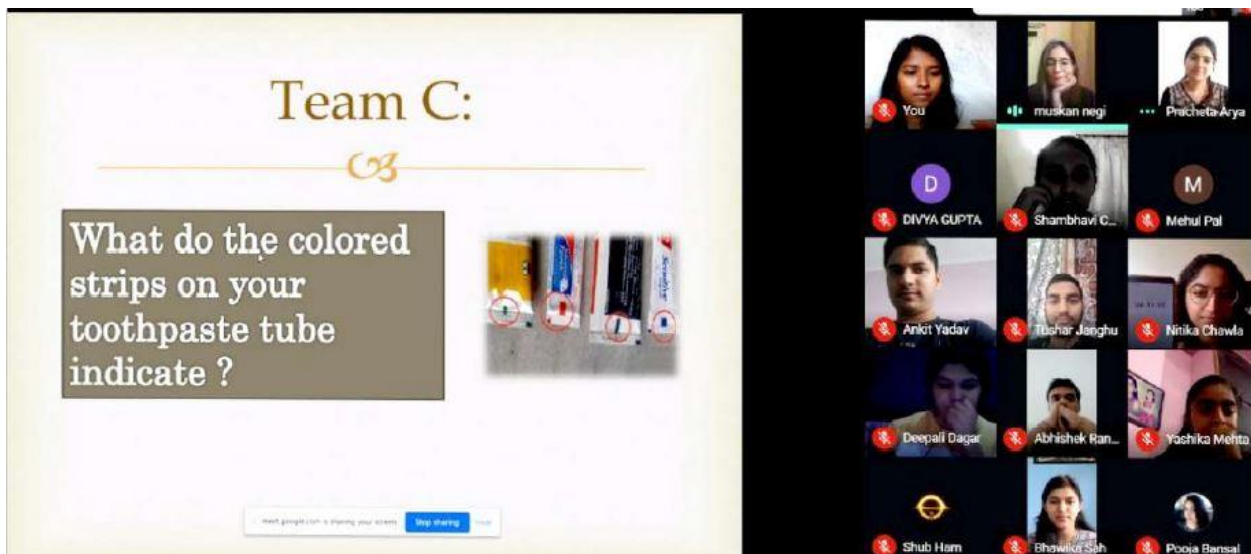
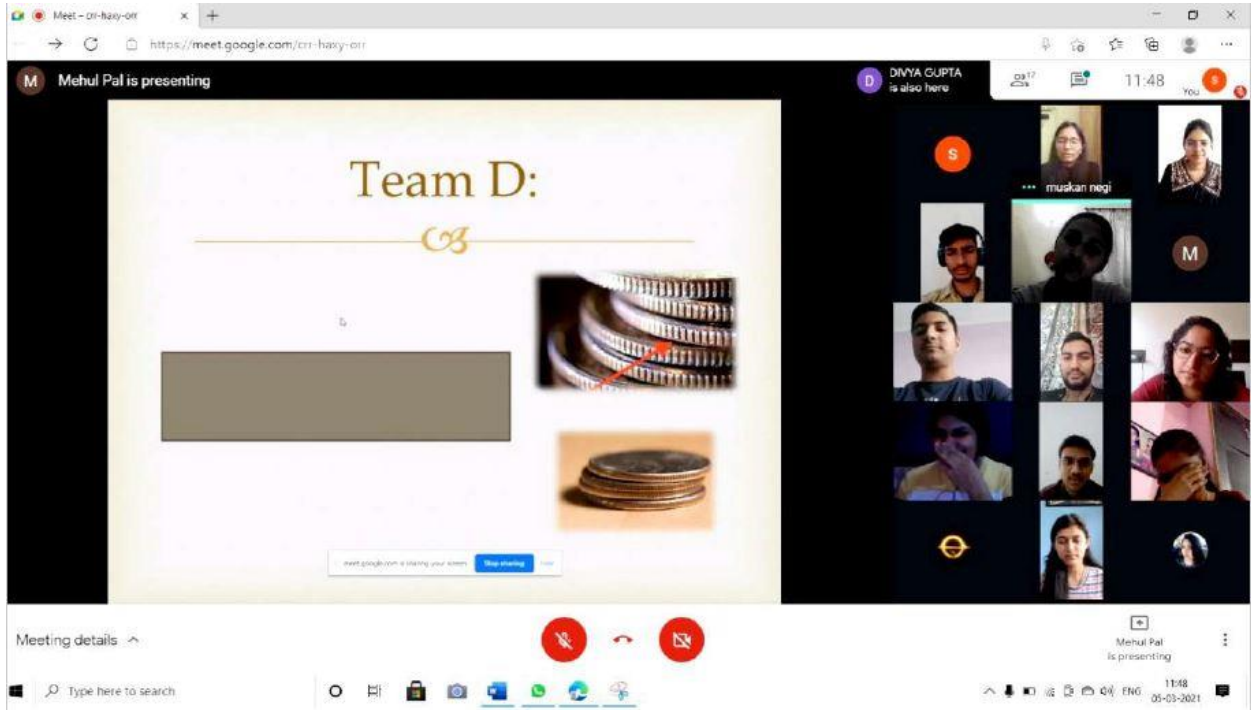
REGISTER HERE

5 MARCH
10:00 A.M.

FOR QUERIES:
 AKSHAT 8619997621
 MUBKAN 7488965539


 infinity_rlac
 infinity_rlac

Proof of the Events:





A screenshot of a Zoom meeting screen sharing a slide titled "The S-I-R model". The slide content includes: "REC" in a red box, "Mathematical modelling.pdf - Adobe Reader" in the title bar, "The S-I-R model" in a purple banner, "simplest mathematical models of disease" with a right-pointing arrow, three icons representing "Susceptibles" (blue person), "Infectives" (orange person with a white triangle), and "Recovered" (green person), each with a brief description below. At the bottom of the slide, it says "Megha Bhadana" and "meet.google.com is sharing your screen." On the right side of the screen, there is a vertical list of participant thumbnails, including "M", "You", and "A", with a "27 others" indicator at the bottom.

Inbox (5,760) - kapilrasthyan@gm Meet - rkq-pvko-xti

meet.google.com/rkq-pvko-xti

REC M Megha Bhadana is presenting S SACHIN KUMAR and 22 more 31 10:20 You

Enter any notes specific to this class.

Gargi Gautam 0041
Choudhary Akash
Pooja Bansal

Google Meet Attendance - v1.4.4

Mathematical Modelling of Pandemic
BY - MEGHA BHADANA
KAMALA NEHRU COLLEGE

Megha Bhada... AKSHAT GOY... PRIYANSHU Y...
MUSKAN KU... Dinesh Kumar Pooja Bansal

Meeting details Raise hand Megha Bhadana is presenting

class-list (2021-03-...csv) class-list (2021-0-...html) Show all

Type here to search 10:20 AM 05-03-2021

REC

Indraprastha College for Women
University of Delhi

MATHEMATICS BEHIND DEEP FAKES

DEEP FAKES : A THREAT TO TRUTH

Presented By :-
Aditi Sharma
BSc. Hons (Mathematics)

Aditi Sharma

M You
18 others

Browser tabs: Fwd: Implosion21 - kapilrastya; Meet - rkq-pvko-xti

Address bar: meet.google.com/rkq-pvko-xti

Meeting header: ADITYA BHATT is presenting | Mukhar Bhardwaj and 23 more | 32 | 10:10 | You

Class List:

- Gargi Gautam 0041
- Pooja Bansal
- Megha Bhadana

Google Meet Attendance - v1.4.4

PAPER PRESENTATION

BY-ADITYA BHATT
COLLEGE-RAM LAL ANAND
YEAR-2ND (4TH SEM)

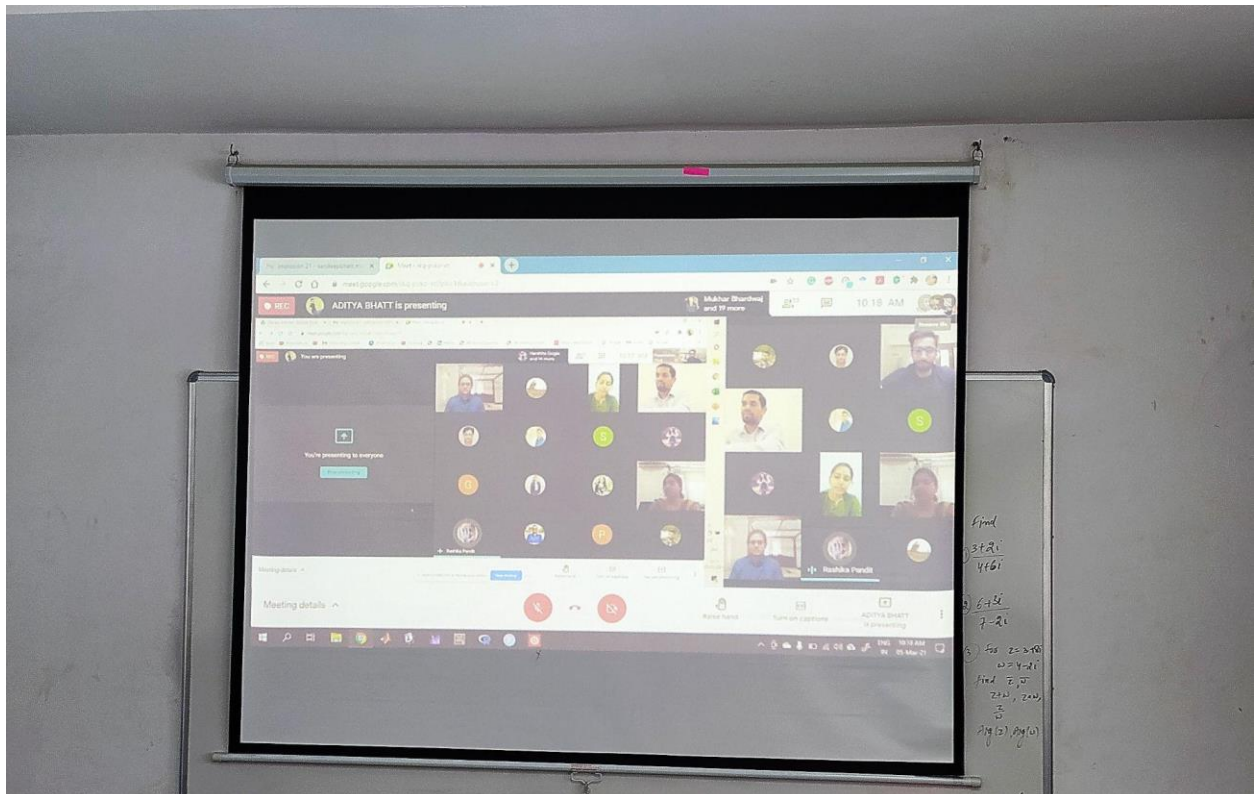
TOPIC-POVERTY ERADICATION USING MATHEMATICAL MODELLING

Video thumbnails: ADITYA BHATT, AKSHAT GOY..., PRIYANSHU Y..., MUSKAN KU..., Dinesh Kumar, Abhishek Pac...

Meeting controls: Meeting details, Mute, Video off, Screen share, Check, Raise hand, ADITYA BHATT is presenting

Taskbar: class-list (2021-03-...).csv, class-list (2021-0-...).html, Show all

System tray: Type here to search, Windows icons, System tray icons, ENG, 10:10 AM 05-03-2021



Meet - gdr-wuiw-mcd

meet.google.com/gdr-wuiw-mcd

Apps Gmail

Meeting details

People (28) Chat

Add people

IN CALL

- Anshika Sangwan (You)
- Amruta rao akula D L 144
- Ankit Yadav
- Archana
- Devta Adhikari
- Harmeet Singh Wadhwa
- Ishika Agarwal
- Jaanvi Jairath
- Jatin Koli
- Kanika Ahlawat 423

Meeting details

Turn on captions Present now

LOVLEEN PUNIYANI is presenting

ritik goel and 8 more

20 You

Untitled form - Google Forms | Marketwatch / Kite | Meet - dwc-fmzo-pdg | My Drive - Google Drive | My Drive - Google Drive

kite.zerodha.com/marketwatch

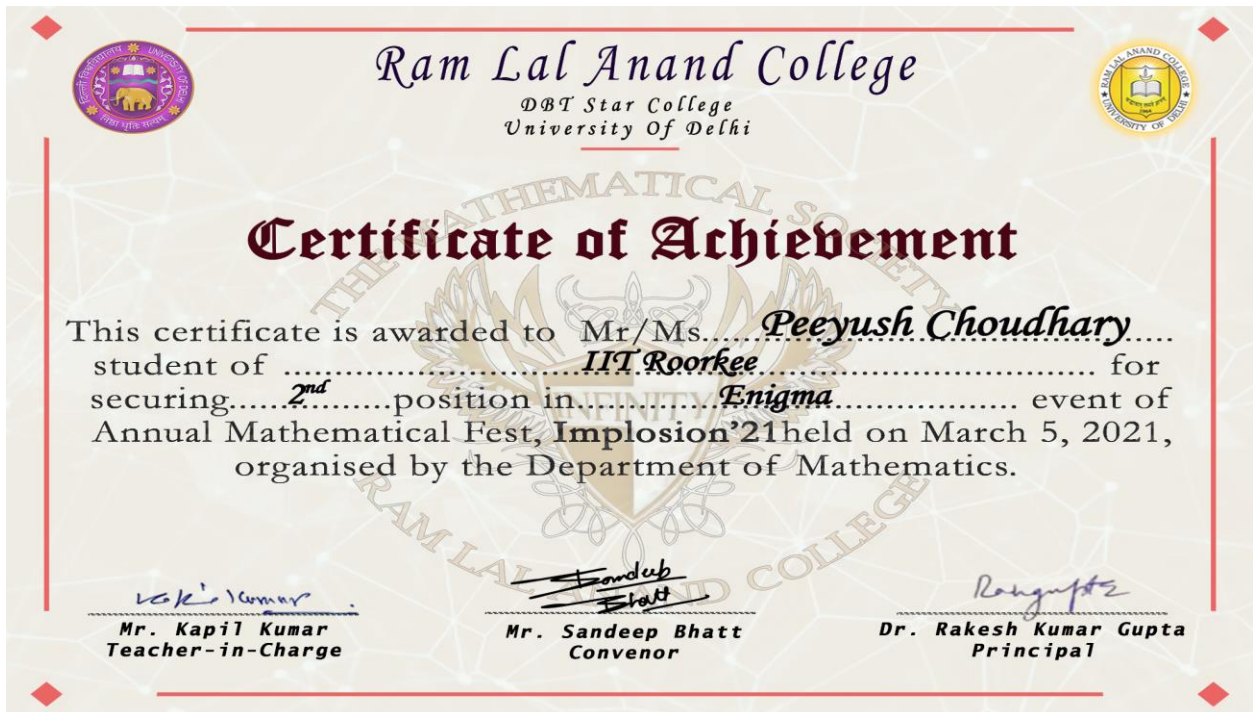
BAJFINANCE	-53.15	5432.75
INDIAMART	-102.75	8084.35
ALKYLAMINE	-40.60	5110.55
RAILTEL	-1.65	160.80
BHARTIARTL	-8.65	530.95
MRF	-1478.85	88294.70
IDEA	-0.50	10.50

1 2 3 4 5

Meeting details

Raise hand Turn on captions LOVLEEN PUNIYANI is presenting

Certificate:





Ram Lal Anand College

DBT Star College
University Of Delhi



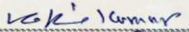
Certificate of Appreciation

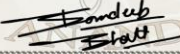
This is proudly presented to

Lovleen Puniyani

for co-ordinating the Annual Mathematical Fest, **Implosion'21**
held on March 5, 2021, organised by the Department of Mathematics.

“His/Her active contribution is worth appreciation”


Mr. Kapil Kumar
Teacher-in-Charge


Mr. Sandeep Bhatt
Convenor


Dr. Rakesh Kumar Gupta
Principal

A report on the Certificate Course

Department of Mathematics

Ram Lal Anand College

Name of the event: The Skill Enhancement Certificate Course on the topic “**Latex: The Mathematical Typesetting Software**”.

Nature of the event: Skill Enhancement Certificate Course.

Starting Date - End Date of the certificate course: 9 January to 21 February 2021.

Duration: 40 Hours.

Venue: Virtual via Google Meet.

Resource Person: Dr. Kuldip Singh Patel, Department of Mathematics, IIIT, Naya Raipur, Chhattisgarh.

Organizing Committee Members:

1. **Mr. Kapil Kumar** (Convenor)
2. **Mr. Basant Kumar Mishra** (Co-Convenor)
3. **Mr. Sandeep Bhatt** (Member)
4. **Dr. Pooja Bansal** (Member)
5. **Dr. Dileep Kumar** (Member)

Number of participating students: 131.

Brief Summary of the Event:

The Skill Enhancement Certificate Course on the topic “**Latex: The Mathematical Typesetting Software**” has been conducted online at **Google Meet** by the **Department of Mathematics** of **Ram Lal Anand College, University of Delhi** from **9 January 2021 to 21 February 2021**. The resource person **Dr. Kuldip Singh Patel** from the Department of Mathematics, IIIT (International Institute of Information Technology), Naya Raipur, Chhattisgarh delivered 40 lectures. There were 131 participants, who registered online certificate course.

Schedule of the Lectures:

S. No.	Delivered Lecture No.	Day	Time
1	Lecture 1	Saturday	10:00 AM – 01:00 PM
2	Lecture 2	Sunday	10:00 AM – 01:00 PM
4	Lecture 3	Saturday	10:00 AM – 01:00 PM
5	Lecture 4	Sunday	10:00 AM – 01:00 PM
6	Lecture 6	Saturday	10:00 AM – 01:00 PM
7	Lecture 7	Sunday	10:00 AM – 01:00 PM
8	Lecture 8	Saturday	10:00 AM – 01:00 PM
9	Lecture 9	Saturday	10:00 AM – 01:00 PM
10	Lecture 10	Sunday	10:00 AM – 01:00 PM
11	Lecture 11	Saturday	10:00 AM – 01:00 PM
12	Lecture 12	Sunday	10:00 AM – 01:00 PM
13	Lecture 13	Saturday	10:00 AM – 01:00 PM
14	Lecture 14	Sunday	10:00 AM – 11:40 AM



Ram Lal Anand College

DBT Star College | University Of Delhi
Department of Mathematics
rlacollege.edu.in



Certificate of Completion

This certificate is awarded to Mr/Ms.....**Lovleen Puniyani**.....of
Ram Lal Anand College on successful completion of 40 hours Certificate
Course on **Latex: The Mathematical Typesetting Software** organised by
Department of Mathematics from January 9th to February 21st 2021.


Mr. Kapil Kumar
Convenor


Mr. Basant Kumar Mishra
Co-Convenor


Dr. Rakesh Kumar Gupta
Principal

ABOUT THE COLLEGE

Ram Lal Anand College is a University of Delhi maintained Co-Educational Institution founded in the year 1964 by Late Shri Ram Lal Anand, a senior Advocate in the Supreme Court of India. The college is located against the backdrop of Aravalli Range in the neighborhood of south campus and can be reached from both sides of ring road. It has a large campus, spread over ten acres of land with green lawns and an elegant building of architectural merit. The college offers 14 undergraduate courses for students of different streams (Humanities, Commerce and Science) and one post graduate degree program in Hindi. Most of the faculty members have Doctoral degrees and possess national and international postdoctoral research experience. The college has state of art infrastructure including 27 ICT Enabled classrooms, Media Production Centre, Amphitheatre, Seminar Room and Open Air Theatre. There are five computer laboratories with multiple PCs for Use by students of different courses. The college has a fully air-conditioned library which is ICT enabled with a provision for e-resource. The college is a NAAC accredited college with a B++ Grade. The college ambience provides for Holistic growth and development of the students. The alumni of the college are well placed in various multinational corporates and government sector at senior Positions in India and abroad.

RAM LAL ANAND COLLEGE DBT STAR COLLEGE UNIVERSITY OF DELHI

Benito Juarez Marg, South Campus
New Delhi-110021
www.rlacollege.edu.in



PRESENTS

A Certificate Course
On

“LaTeX: The Mathematical Typesetting Software”

BY

DEPARTMENT OF
MATHEMATICS

RESOURCE PERSON



Dr. Kuldip Singh Patel

Dr. Kuldip Singh Patel is an Assistant Professor in Mathematics discipline. He pursued his Ph. D. from IIT Delhi. Before joining IIIT NR, he was a Post-Doctoral Fellow at the Department of Mathematics, IISER Pune. He has published several research papers in referred International Journals and International Conferences. He is a Member of Indian Mathematical Society.

PATRON

Dr. Rakesh Kumar Gupta
Principal,
Ram Lal Anand College

Organizing Committee Members

Mr. Kapil Kumar
(Convenor)
Teacher-in-Charge
8826133309

Mr. Basant Kumar Mishra
(Co-Convenor)
9810331830

Mr. Sandeep Bhatt
(Member)
9873626870

Dr. Pooja Bansal
(Member)
8527410029

Dr. Dileep Kumar
(Member)
9953827069

For Course Related Queries Contact:

Mr. Kapil Kumar

Mobile No- 8826133309

Email- kapilkumar.maths@rla.du.ac.in

- kapilrastlyan@gmail.com

ABOUT THE COURSE

LaTeX is a high-quality typesetting system; it includes features designed for the production of technical and scientific documentation. The software is commonly used for publishing books and articles in several areas like mathematics, physics, computer science, engineering etc. Complex mathematical terms can be easily written and well-presented in LaTeX as compared to any other existing platform. The modularity it provides with structuring the document, equations, citations etc help you to create a professional quality paper that appears ready for submission. Editing and reformatting a LaTeX document is much easier than word processor. This course is designed in such a way that you will kick start writing LaTeX right away. With a thorough description, assignments, interactive sessions and quizzes will help you in understanding and getting expertise in LaTeX.

Highlight of course

- Introduction of LaTeX, Philosophy of use, Installation etc.
- Advanced Formatting of text.
- Graphics, imparting figures, Hyperlink, and Cross Referencing.
- Special Documentation: Letters, Presentations, *europcv*, *moderncv*, Multilingual support, Curriculum vitae etc.
- The Beamer package, The powerdot package.
- AMS Math package, List of Mathematical Symbols
- PSTricks, PDFTricks extension
- Industry Application.
- e-notes and video lectures will be shared with the participants

Course Duration: 40 Hours
(On Saturdays and Sundays)

Date: 9th January, 2021

Registration Details:

Registration Link: [Click Here](#)



Scan to Register

Register on or Before 7th January 2021.

Students who fulfill the following criteria are eligible for certification:

- Minimum attendance- 70%
- Submitted at least two Quizzes /Assignments
- Scored above 50% in final test/assignment



About The Department

Department of Mathematics is one of the newest Departments of Ram Lal Anand College, being introduced in 2017 and since, has never stopped moving forward. The department always aims toward pursuing activities enhancing interest in mathematics and in the creative expression of mathematical ideas among students under the mentorship of teachers along with the interaction of eminent personalities of teaching field and industries. The basic idea is to inculcate not only intellect and creativity among the students but also to make them realize their field of interest which plays an important role for becoming a productive member of the society.

In the recent years, the department has organized many intellectual talks, workshops and seminars on application of mathematics, eg. Gaming technology, Fractals, Cryptography, Dynamical system etc.



National Workshop on Dynamical System and Chaos Theory in collaboration with IIT Mandi



meet.google.com/uyp-tezx-cho?authuser=0

REC Kuldip Singh Patel is presenting

PRIYANSHU YAD... and 25 more

12:25 PM

34

Kuldip Singh Patel Lovleen Puniyani

Dileep Kumar Kuldip Singh Patel

Palak Sikka Lakshita Sethi

Skill Enhancemen... Raise hand Turn on captions Kuldip Singh Patel is presenting

Type here to search

meet.google.com/dof-rkmc-gfr

REC Kuldip Singh Patel is presenting

Pracheta Arya and 29 more

12:41 PM

40

Lakshita Sethi yes sir

Muskan Alam Very well understood

Lovleen Puniyani yes sir

Mohit Yadav Yes sir

Rohan Aswal yes sir

Meeting details Raise hand Turn on captions Kuldip Singh Patel is presenting

Type here to search

meet.google.com/ckh-usuv-ao?authuser=0

REC Kuldip Singh Patel is presenting Pracheta Arya and 30 more 11:09 AM

Enter any notes specific to this class. Lecture14 (4 of 6)

Figure Drawing - (in picture environment)

Equation in LATEX \rightarrow Array, - -

11. Bibliography \rightarrow Directly Bib file.

12. Bibliography \rightarrow Bib file.

Lovleen Punyani Dileep Kumar Mohit Yadav Aarti Kapoor Divya Gupta Praveen Dahiya

Skill Enhancemen... Raise hand Turn on captions Kuldip Singh Patel is presenting

Type here to search 11:09 AM 21-02-2021