

Annual Report 2021-2022

Department of Mathematics

Ram Lal Anand College

Event-1:

Name of the event: National webinar on “Introduction to Data Science”

Date: July 24, 2021.

Time: 11:00 A.M. – 01:00 P.M.

Venue- Virtual (ZOOM)

Resource Person- Mr. Nikhil Chauhan (Data Science Professional)

Chief Guest- Prof. Rakesh Kumar, Vice Principal, Ram Lal Anand College

Organizing Team:

1. Mr. Sandeep Bhatt (Convenor)
2. Mr. Kapil Kumar (Co-convenor)
3. Mr. Basant Kumar Mishra (Member)
4. Dr. Dileep Kumar (Member)
5. Dr. Pooja Bansal (Member)
6. Mr. Lovleen Puniyani (Student Volunteer)

No. of Registrations: 209

A brief summary of the event:

Department of Mathematics, Ram Lal Anand College, University of Delhi organized a national webinar on “**Introduction to Data Science**” on **July 24, 2021**, from **11:00 A.M.** onwards. The speaker of this webinar was **Mr. Nikhil Chauhan**, Data Science Professional. The webinar was attended by vice principal **Dr. Rakesh Kumar**, Faculty members (**Mr. Basant Kumar Mishra, Mr. Kapil Kumar, Mr. Sandeep Bhatt, Dr. Dileep Kumar, Dr. Pooja Bansal**), and various participants (students/faculty/research scholars) from all over India. Mr. Nikhil Chauhan discussed the various areas in the field of data science and explained all the necessary skills (analytical, software, verbal) needed to start a career in the field of data science. The interaction between the participants and the speaker was very good,

especially among undergraduate students. All their queries were successfully answered by the speaker.

Picture Gallery



Zoom Meeting

Recording

Kapil Kumar

Basant Mishra

rakeshkumar hist

Ram Lal Ana...

Archana Para...

Nikhil Chauhan

Participants (85)

Find a participant

- KK Kapil Kumar (Co-host, me)
- Ram Lal Anand Colle... (Host)
- BM Basant Mishra (Co-host)
- Nikhil Chauhan (Co-host)
- rakeshkumar hist (Co-host)

Invite Mute All

Chat

To: Basant Mishra (Direct Message)

Type message here...

Type here to search

31°C Mostly sunny

11:19 AM 24-07-2021

Recording

Introduction to Data Science

NIKHIL CHAUHAN

SATURDAY, JULY 24, 2021

Kapil Kumar

Nikhil Chauhan

Basant Mishra

Participants (89)

Find a participant

- KK Kapil Kumar (Co-host, me)
- Ram Lal Anand Colle... (Host)
- Nikhil Chauhan (Co-host)
- BM Basant Mishra (Co-host)
- Dr. Dileep Kumar (Co-host)

Invite Mute All

Chat

To: Basant Mishra (Direct Message)

Type message here...

Agenda

Data Science in the Real World	AI Vs ML Vs DL Vs DS	Data Science Definition
Data Science Roles and Skills	CRISP-DM	The Way Forward

Type here to search

31°C Mostly sunny

11:21 AM 24-07-2021

Zoom Meeting

Participants (83)

Q Find a participant

- KK Kapil Kumar (Co-host, me)
- Ram Lal Anand Colle... (Host)
- Nikhil Chauhan (Co-host)
- Dr. Dileep Kumar (Co-host)
- rakeshkumar hist (Co-host)

Invite Mute All

Chat

higher studies

From Abhinav Verma to Everyone: entry level

From Diya Gupta to Everyone: Higher studies

To: Basant Mishra (Direct Message)

Type message here...

Entry Level Job Higher Studies

Type here to search

34°C Light rain

12:33 PM 24-07-2021

Zoom Meeting

Recording

Chat

What is the estimated pay scale in India related to data science roles?

From NITKA CHAWLA to Everyone: sir pls drop ur LinkedIn id

From Me to Everyone: I request everyone to fill the feedback form. Feedback Form Link <https://forms.gle/GaV8BYTNp9L8BjEx8>

From rohit chaturvedi to Everyone: <https://www.linkedin.com/in/nikhil-chauhan-1110>

From Lovleen Punijani to Everyone: sir do we need advance knowledge in sql to start career

To: Everyone

Type message here...

Q&A

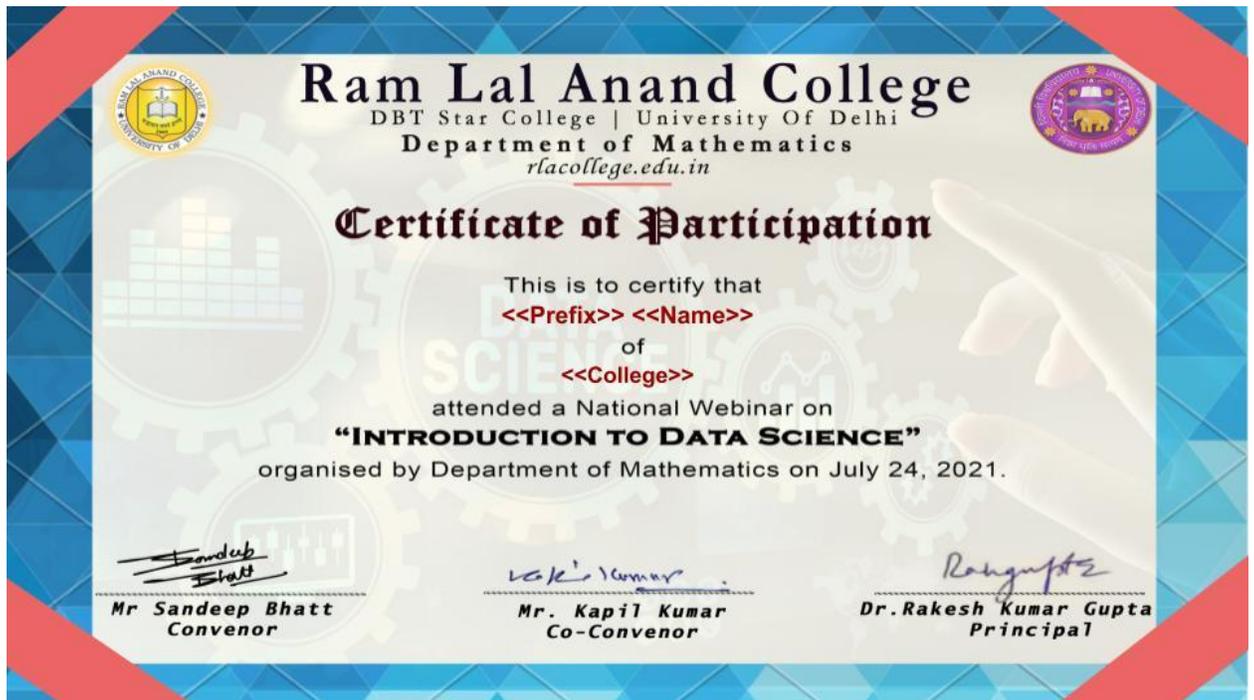
31

Type here to search

34°C Rain showers

12:52 PM 24-07-2021

Sample Certificate



Event-2:

Name of the event: National webinar on “Mathematics Behind Investment Decision Making”

Date: January 08, 2022.

Time: 11:00 A.M. – 01:00 P.M.

Venue- Virtual (ZOOM)

Resource Person- Dr. Ruchika Sehgal, Assistant Professor, Department of Mathematics and Computing, IIT(ISM), Dhanbad.

Organizing Team:

1. Mr. Sandeep Bhatt (Convenor)
2. Dr. Dileep Kumar (Co-convenor)
3. Mr. Basant Kumar Mishra (Member)
4. Mr. Kapil Kumar (Member)
5. Dr. Pooja Bansal (Member)
6. Mr. Lovleen Puniyani (Student Volunteer)

No. of Registrations: 333

A brief summary of the event:

Department of Mathematics, Ram Lal Anand College, University of Delhi organized a National Webinar on “**Mathematics Behind Investment Decision Making**” on **January 08, 2022**, from **11:00 A.M.** onwards. The speaker of this webinar was **Dr. Ruchika Sehgal**, Assistant Professor in the Department of Mathematics & Computing at IIT(ISM) Dhanbad. The webinar was attended by Faculty members (**Mr. Basant Kumar Mishra, Mr. Kapil Kumar, Mr. Sandeep Bhatt, Dr. Dileep Kumar, Dr. Pooja Bansal**) and various participants (students/faculty/research scholars) from all over India. Dr. Ruchika Sehgal enlightened the participants about various investment options and discussed the portfolio optimization models that aid investors to make financial decisions. She further briefed me about higher education opportunities and career options related to financial mathematics. The interaction between the participants and the speaker was very good, especially among undergraduate students. All their queries were successfully answered by the speaker

Poster

Department of Mathematics
Ram Lal Anand College
(DBT Star College)
University of Delhi



National Webinar
**MATHEMATICS BEHIND
INVESTMENT DECISION MAKING**

8
JAN

11:00
AM

Registration : 



Dr. Ruchika Sehgal
Assistant Professor
Department of Mathematics
and Computing
IIT (ISM) Dhanbad , Jharkhand

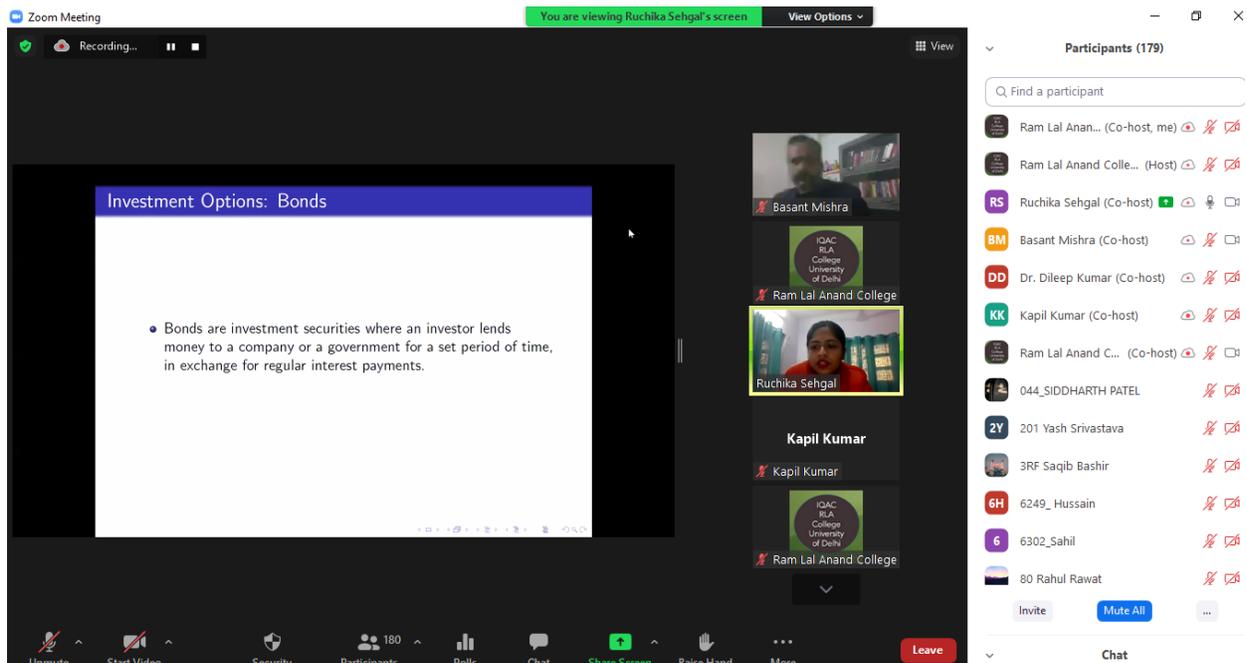
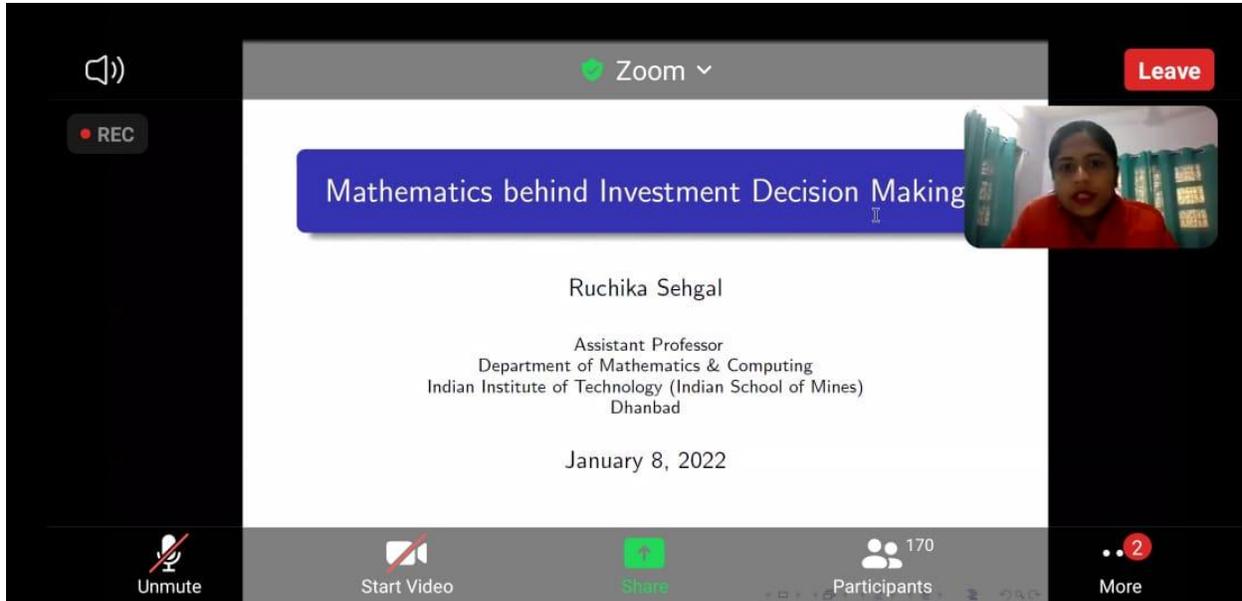
Patron
Prof. Rakesh Kumar Gupta
Principal

Convenor
Mr. Sandeep Bhatt
Assistant Professor

Co-Convenor
Dr. Dileep Kumar
Assistant Professor

E-Certificate will be provided to all the participants after successful submission of feedback form.

Picture Gallery



Zoom Meeting

Recording...

Risk Tolerance

You've just taken a job at a small fast growing company. After your first year you are offered the following bonus choices. Which one would you choose?

- A five year employment contract
- A ₹5,00,000 bonus
- Stock in the company currently worth ₹5,00,000 with the hope of selling out later at a large profit

Basant Mishra
Basant Mishra
IQAC RLA College University of Delhi
Ram Lal Anand College
Ruchika Sehgal
Kapil Kumar
Kapil Kumar
Sandeep Bhatt
Sandeep Bhatt

Participants (172)

Find a participant

- Ram Lal Anan... (Co-host, me)
- Ram Lal Anand Colle... (Host)
- RS Ruchika Sehgal (Co-host)
- BM Basant Mishra (Co-host)
- DD Dr. Dileep Kumar (Co-host)
- KK Kapil Kumar (Co-host)
- Ram Lal Anand C... (Co-host)
- SB Sandeep Bhatt (Co-host)
- 044_SIDDHARTH PATEL
- 2Y 201 Yash Srivastava
- 3RF Saqib Bashir
- 6H 6249_Hussain
- 6 6302_Sahil
- AK Aadish Kesharwani

16°C Heavy t-storms 11:26 AM 08-Jan-22

Zoom Meeting

Recording...

Zoom Meetings is using the webcam

Higher Studies and Career Options

Higher Studies

- Actuarial Sciences
- MS in Financial Mathematics/Investment Science/Data Science
- MBA in Finance

Career Options

- Investment Banker
- Fund/Portfolio Manager
- Actuary
- Trader
- Research

Basant Mishra
Basant Mishra
IQAC RLA College University of Delhi
Ram Lal Anand College
Ruchika Sehgal
Kapil Kumar
Kapil Kumar
Sandeep Bhatt
Sandeep Bhatt
IQAC RLA College University of Delhi
Ram Lal Anand College

Participants (153)

Find a participant

- Ram Lal Anand ... (Host, me)
- RS Ruchika Sehgal (Co-host)
- BM Basant Mishra (Co-host)
- DD Dr. Dileep Kumar (Co-host)
- KK Kapil Kumar (Co-host)
- Ram Lal Anand C... (Co-host)
- Ram Lal Anand C... (Co-host)
- 044_SIDDHARTH PATEL
- 2Y 201 Yash Srivastava
- 3RF Saqib Bashir
- 6H 6249_Hussain
- 6 6302_Sahil
- 6340_Sajal Gupta

Chat

16°C Heavy t-storms 12:28 PM 08-Jan-22

Certificate



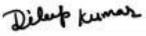
Ram Lal Anand College
DBT Star College
University of Delhi

Certificate of Participation

This is to certify that
Mr. Shubham Kumar
of
PDPM IIITDM Jabalpur, Madhya Pradesh, India
attended a National Webinar on
"Mathematics Behind Investment Decision Making"
organised by the Department of Mathematics on January 08, 2022.


Prof. Rakesh Kumar Gupta
Principal


Mr. Sandeep Bhatt
Convenor


Dr. Dileep Kumar
Co-Convenor



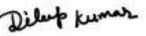
Ram Lal Anand College
DBT Star College
University of Delhi

Certificate of Participation

This is to certify that
Mr. SAJAL GUPTA
of
DESHBANDHU COLLEGE, UNIVERSITY OF DELHI
attended a National Webinar on
"Mathematics Behind Investment Decision Making"
organised by the Department of Mathematics on January 08, 2022.


Prof. Rakesh Kumar Gupta
Principal


Mr. Sandeep Bhatt
Convenor


Dr. Dileep Kumar
Co-Convenor

Event-3:

Name of the event: National webinar on “Some Concepts from Linear Algebra”

Date: March 06, 2022.

Time: 11:30 A.M. – 01:30 P.M.

Venue- Virtual (ZOOM)

Resource Person- Prof. Aparna Mehra, Department of Mathematics, IIT Delhi

Organizing Team:

1. Dr. Dileep Kumar (Convenor)
2. Mr. Sandeep Bhatt (Co-convenor)
3. Mr. Basant Kumar Mishra (Member)
4. Mr. Kapil Kumar (Member)
5. Dr. Pooja Bansal (Member)
6. Mr. Akshat Goyal (Student Volunteer)

No. of Registrations: 308

A brief summary of the event:

Department of Mathematics, Ram Lal Anand College, University of Delhi organized a national webinar on “**Some Concepts from Linear Algebra**” on **March 06, 2022**, from **11:30 A.M.** onwards as part of the annual mathematics fest-**IMPLOSION’22**. The speaker of this webinar was **Prof. Aparna Mehra**, a professor in the department of Mathematics at IIT Delhi. The webinar was attended by Faculty members (**Mr. Basant Kumar Mishra, Mr. Kapil Kumar, Mr. Sandeep Bhatt, Dr. Dileep Kumar, Dr. Pooja Bansal**) and various participants (students/faculty/research scholars) from all over India. Prof. Aparna Mehra enlightened the participants about the notion of eigenvalues and eigenvectors of a matrix, their role in decomposing the matrices into simpler forms specifically singular value decomposition, and how these decompositions enabled us to design some fruitful applications in data science. The interaction between the participants and the speaker was very good, especially among undergraduate students. All their queries were successfully answered by the speaker.

Poster

The poster is for a National Webinar on Linear Algebra. It features the logos of the University of Delhi and Ram Lal Anand College (DBT Star College). The webinar is presented by Prof. Aparna Mehra from the Department of Mathematics at IIT Delhi. The event is scheduled for 6th March at 11:30 AM. A QR code is provided for registration. The poster also lists the Principal, Convenor, and Co-Convenor.

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

NATIONAL WEBINAR
ON
SOME CONCEPTS FROM
LINEAR ALGEBRA

PROF. APARNA MEHRA
DEPARTMENT OF MATHEMATICS
IIT DELHI

6TH MARCH
11:30 AM

REGISTER NOW

Principal
Prof. Rakesh Kumar Gupta

Convenor
Dr. Dileep Kumar

Co-Convenor
Mr. Sandeep Bhatt

Picture Gallery

Zoom Meeting | You are viewing APARNA's screen | View Options

Recording... | APARNA is talking...

Some concepts from LAG.pdf - Adobe Acrobat Reader DC (64-bit)

Let $A \in \mathbb{R}^{n \times n}$

A vector $X \in \mathbb{R}^n$, $X \neq 0$, is called eigenvector of A if \exists scalar λ (real or complex) such that

$$AX = \lambda X$$
$$\Leftrightarrow |A - \lambda I| = 0$$

Participants: Mathematics Department, Kriti Garg, Kapil Kumar, Sandeep Bhatt, Ankit Anand, Shailja Sharma, Muskan Kumari, Brijesh Kishore Mishra, Sachin Kumar, Priyanshu Yadav, Tushar, sapna Kapoor, Agrim Sharma (Pathway), SAMIR AHMAD, Rohan Aswal, Dr. Pooja Bansal, BHAWIKA SAH, VIVEK KUMAR, Muskan Negi, Harshita Gogia, Ram Lal Anand College, Divya Gupta, Dr. Pooja Bansal, Jatin Manchanda

Unmute | Stop Video | Security | Participants (154) | Chat | Share Screen | Raise Hand | Pause/Stop Recording | Leave

ENG IN | 12:08 | 06-03-2022

Zoom Meeting | You are viewing APARNA's screen | View Options

Recording... | APARNA is talking...

Some concepts from LAG.pdf - Adobe Acrobat Reader DC (64-bit)

Let $A \in \mathbb{R}^{n \times n}$

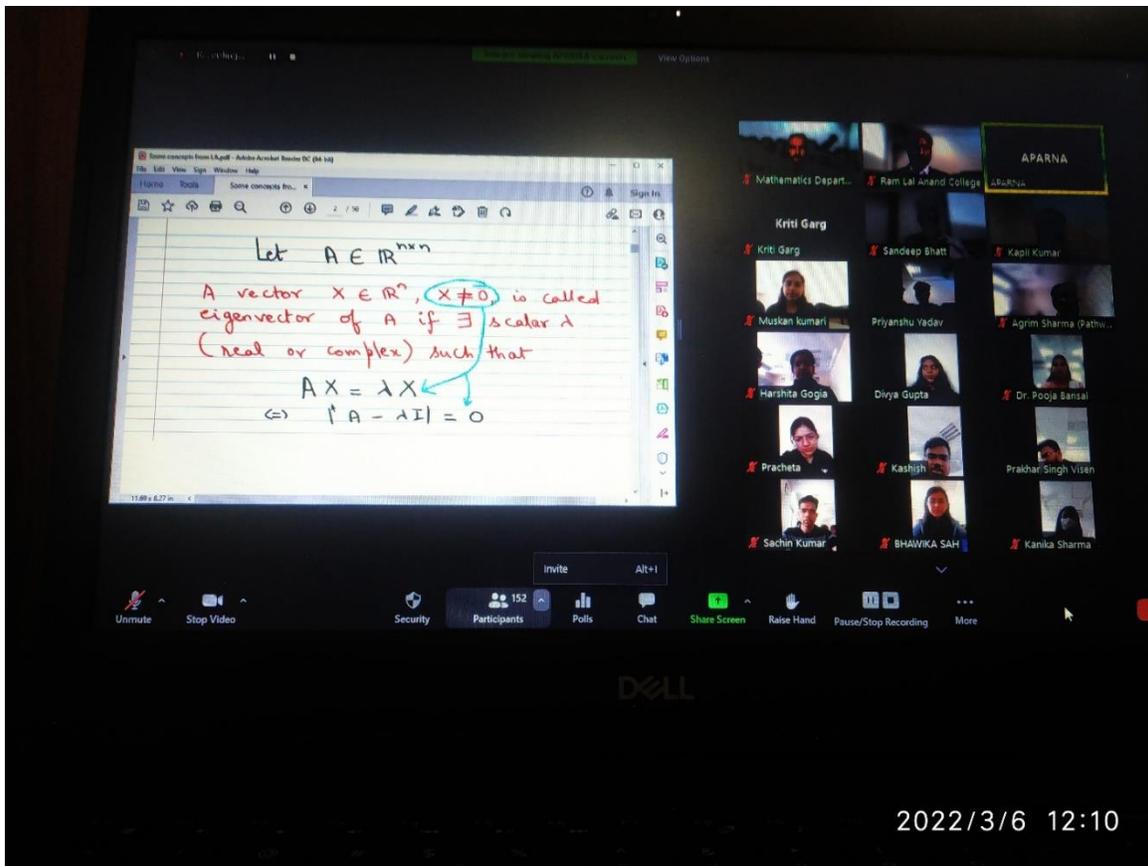
A vector $X \in \mathbb{R}^n$, $X \neq 0$, is called eigenvector of A if \exists scalar λ (real or complex) such that

$$AX = \lambda X$$
$$\Leftrightarrow |A - \lambda I| = 0$$

Participants: Mathematics Department, Kriti Garg, Kapil Kumar, Ram Lal Anand College, Dr. Pooja Bansal, Sandeep Bhatt

Unmute | Stop Video | Security | Participants (146) | Chat | Share Screen | Raise Hand | Pause/Stop Recording | Leave

ENG IN | 12:05 | 06-03-2022



Sample Certificate



Ram Lal Anand College

DBT Star College
University of Delhi

CERTIFICATE OF PARTICIPATION

This is to certify that

<<Prefix>> <<Name>>

of <<Institution>>

participated in the webinar on

SOME CONCEPTS FROM LINEAR ALGEBRA

by Prof. Aparna Mehra , Department of Mathematics, IIT Delhi
on 6th March, 2022





Mr. Sandeep Bhatt
Co-Convenor



Dr. Dileep Kumar
Convenor



Dr. Rakesh Kumar Gupta
Principal

Event-4:

Name of the event: Implosion 22 (Annual departmental fest)

Date: March 06, 2022.

Time: 11:30 A.M. – 01:30 P.M.

Venue- Virtual (ZOOM)

Department of Mathematics organized its annual departmental fest **Implosion** on March 06, 2022. **Prof. Aparna Mehra**, a professor in the department of mathematics at IIT Delhi was the chief guest for this event. She delivered an online talk on the topic “**Some Concepts from Linear Algebra**” to enlighten students about the applications of linear algebra. After the webinar, five events of the mathematics fest were successfully conducted by our students with the help of faculty members:

1. **PRESENTUS:** The online presentation competition
2. **TIC-TAC-TOE:** The online mathematical tic tac toe event
3. **MEMETRIX:** The online mathematical meme-making event
4. **ENIGMA:** The online treasure hunt
5. **CINEFAIRE:** The online movie and TV show event

Detail of Events

1. **PRESENTUS** – The online presentation competition
Teacher Coordinator: Mr. Sandeep Bhatt
Student Coordinators: Harshita Gogia, Muskan Kumari
No. of registrations: 10

Winners:

Position	Name	Course	College
First	Mukhar Bhardwaj	M.Sc. Chemistry	Netaji Subhas Institute of Technology
Second	Akshat Goyal	B.Sc. (H) Mathematics	Ram Lal Anand College, DU

2. **TIC-TAC-TOE** – The online mathematical tic tac toe event

Teacher Coordinator: Mr. Kapil Kumar

Student Coordinators: Muskan Negi, Rohan

No. of registrations: 109

Winners:

Position	Name	Course	College
First	Amar Singh	B.Tech. Computer Science	Poornima College of Engineering
Second	Kriti Chopra	B.Sc.(H) Statistics	Ram Lal Anand College, DU

3. **MEMETRIX**- The online mathematical meme making event

Teacher Coordinator: Mr. Kapil Kumar

Student Coordinators: Anshika Sangwan, Priyanshu Yadav

No. of registrations: 100

Winners:

Position	Name	Course	College
First	Naveen Verma	B.Sc.(H)Physical Science	Atma Ram Sanatan Dharma College, DU
Second	Ashwani Chauhan	B.Sc.(H)Mathematics	Ram Lal Anand College, DU

4. **ENIGMA** – The online treasure hunt

Teacher Coordinator: Dr. Pooja Bansal

Student Coordinators: Pracheta, Divya Gupta

No. of registrations: 94

Winners:

Position	Name	Course	College
First	Gaurav	M.Com	Indira Gandhi National Open University
	Hritik Gupta	B.Com.(H)	School of Open Learning, DU
Second	Lavanya Sharma	B.Com. Program	Shaheed Bhagat Singh(Eve.) College, DU
	Sohit	B.Com. Program	Moti Lal Nehru College, DU

5. **CINEFAIRE-** The online movie and TV show event

Teacher Coordinator: Dr. Pooja Bansal

Student Coordinators: Tushar Janghu, Ankit Anand

No. of registrations: 51

Winners:

Position	Name	Course	College
First	Drishtant Sen	B.Sc.(H)Zoology	Deshbandhu College, DU
Second	Harshel Behl	B.Com.	School of Open Learning, DU

Poster of Events

RAM LAL ANAND COLLEGE
DBT STAR COLLEGE
DEPARTMENT OF MATHEMATICS

MAR 6

IMPLOSION'22

PRESENTUS 1 PM

1:30 PM TIC-TAC-TOE

2:30 PM CINEFAIRE

3:30 PM ENIGMA

4 PM MEMETRIX

REGISTER HERE



WEBINAR
APARNA MEHRA
PROF. IIT DELHI
LECTURE ON
Some Concepts of
Linear Algebra



ANSHIKA: 9287270833 (VICE PRESIDENT)
RITIK: 8901641296 (TREASURER)
AKSHAT: 861997621 (PRESIDENT)
SAMIR: 9304074104 (SECRETARY)
KASHISH: 9289786673 (JOINT SECRETARY)

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

NATIONAL WEBINAR
ON
SOME CONCEPTS
FROM
LINEAR ALGEBRA



PROF. APARNA MEHRA
DEPARTMENT OF MATHEMATICS
IIT DELHI

6TH MARCH
11:30 AM

REGISTER NOW



Principal: Prof. Rakesh Kumar Gupta
Convenor: Dr. Dileep Kumar
Co-Convenor: Mr. Sandeep Bhatt

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

PRESENTS

CINEFAIRÉ

MARVEL

REGISTER HERE



FOR QUERIES
TUSHAR
7011128051
ANKIT
6376995799

6th March
02:30 PM
@infinity_rlac
infinity_rlac

DEPARTMENT OF MATHEMATICS
RAM LAL ANAND COLLEGE
(DBT Star College)

Implosion 22

presents

ENIGMA

Win Exciting Cash Prizes

Register Here



6th March
3:30 pm
@infinity_rlac
infinity_rlac

Coordinators
Pracheta
8569961238
Divya
9015348701


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

IMPLOSION'22

Presents

MEMETRIX

THE GAME OF MEME - MAKING

REGISTER HERE

FOR QUERIES
 Anshika: 82872 70833
 Priyanshu: 63500 29208

 06/03/22
 4 PM
 infinity_rlac
 infinity_rlac







DEPARTMENT OF MATHEMATICS
RAM LAL ANAND COLLEGE
 (DBT STAR)
 

Implosion' 22

PRESENTS

PRESENTUS



 infinity_rlac
 6th March
 1:00 pm
 Google Meet

Coordinators
 Harshita
 9588709270
 Muskan
 7488965539




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

IMPLOSION'22

Presents

TIC-TAC-TOE

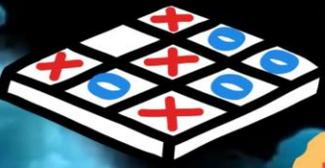


Scan to register
WIN EXCITING PRIZES!

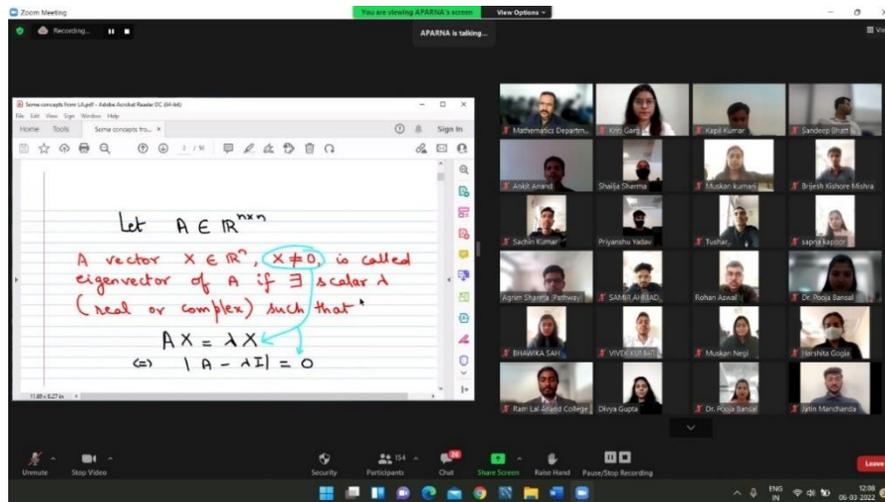
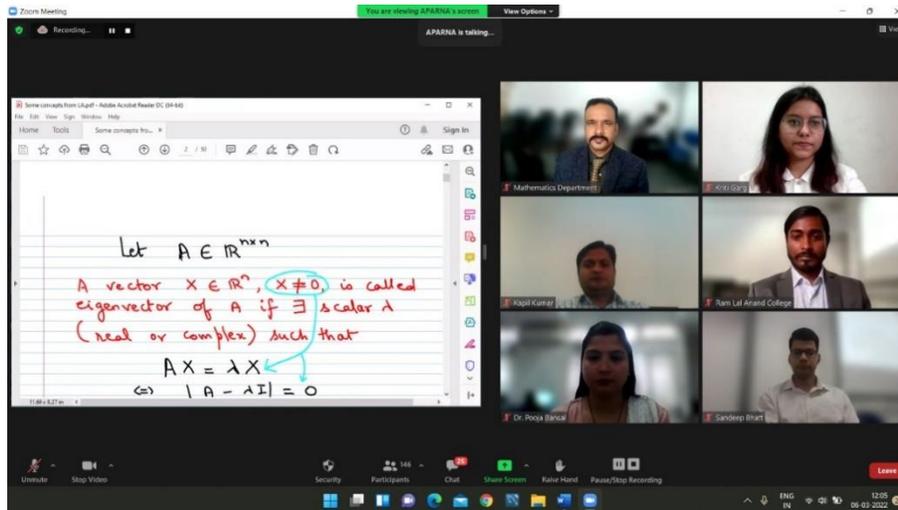
 **6th March 2022**
 01:30 P.M.

DEADLINE: 5 MARCH 2022, 10:00AM
 infinity_rlac
 infinity_rlac

Coordinators :
 Muskan Negi - 9899873713
 Rohan Aswal - 9870365945




Picture Gallery



WhatsApp Meet - pvk-nwev-qaj

meet.google.com/pvk-nwev-qaj

Siddhi Ganerwal is presenting

2. GEOMETRY IN EARTH

- The Earth is very close to a sphere (ball) shape, with an average radius of 6371 km.
- Earth is the perfect shape for minimizing the pull of gravity on its outer edges – a sphere.
- Geometry is the branch of maths that describes such shapes.

1:14 PM | pvk-nwev-qaj

Participants: Present Us, Siddhi Ganerwal, Mukhar Bhardwaj, Dinesh Kumar, Sandeep Bhatt, Ruchika Sehgal, Mukhar Bhardwaj, 14 others, CHAHAT TANEJA joined

Meet - pvk-nwev-qaj

PRESENTUS REGISTRATION FOR...

meet.google.com/pvk-nwev-qaj?pli=1&authuser=4

Participants: Ritika Bhardwaj, Jatin Manchanda, Akshat Goyal, Present Us, Mathematics Departm..., Dinesh Kumar, Ruchika Sehgal, Kirti Agarwal, Siddhi Ganerwal, Mukhar Bhardwaj, Mukhar Bhardwaj, muskan kumari, Sandeep Bhatt, Punit Gole, 11 others, You

2:02 PM | pvk-nwev-qaj

Windows Taskbar: Type here to search, 24°C, 14:02, 06-03-2022

Meet - pvj-fzjr-ozq

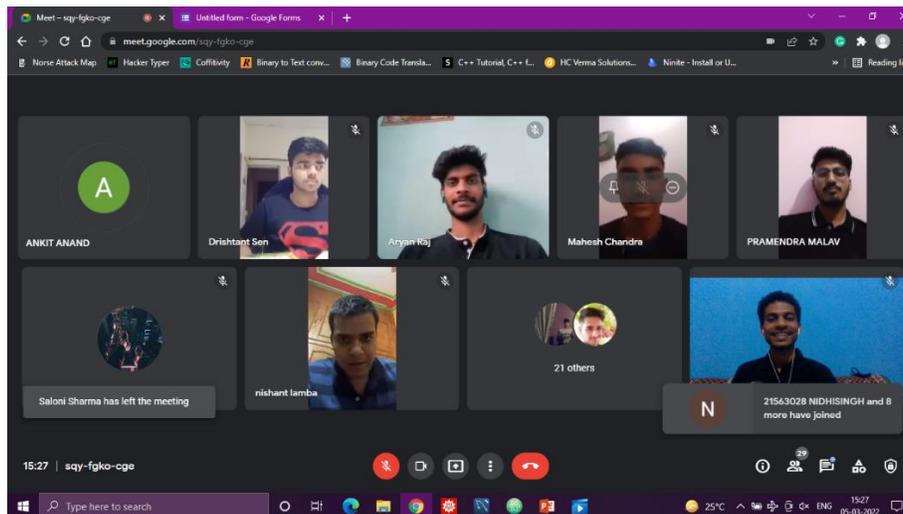
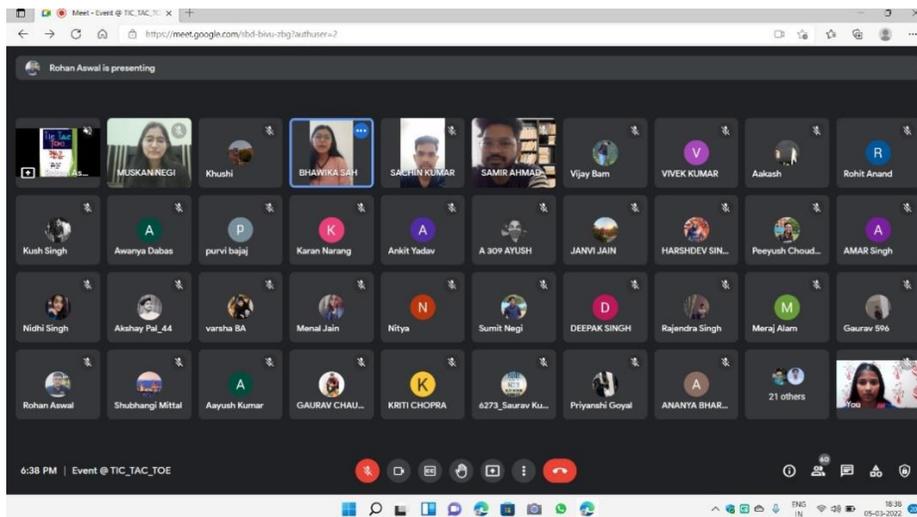
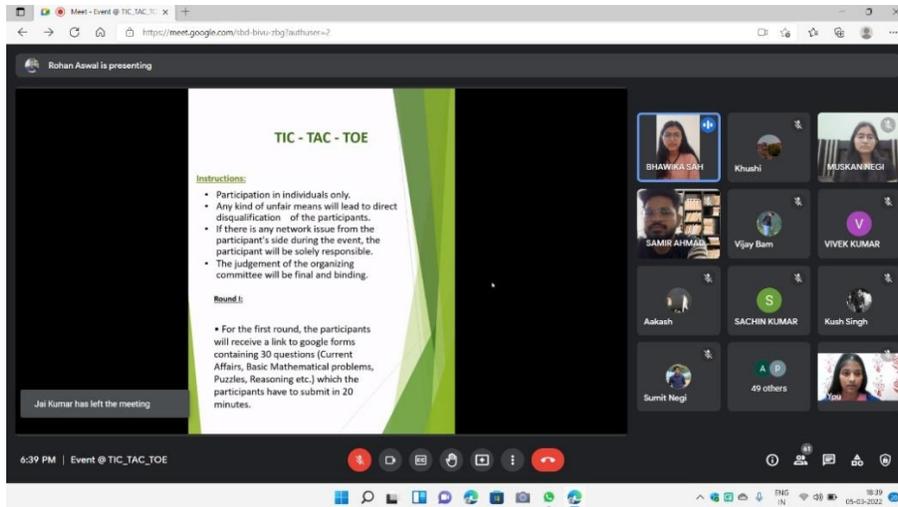
meet.google.com/pvj-fzjr-ozq?pli=1&authuser=0

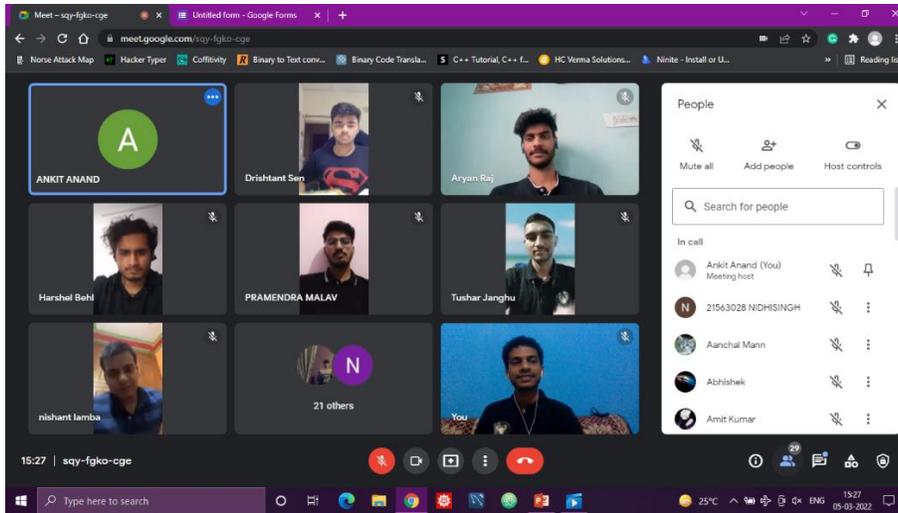
ENIGMA 21 is presenting

Participants: ENIGMA 21, Rajendra Singh, Nishu Choubey, 1048_Aditya Sw..., SANTUSHI GA..., Ananya Tyagi, 1072_Yashav M..., Himanshi Agga..., Mehak Goyal 159, Karan Narang, TANISHO STATS, Aditya Tiwari, Manpreet Kaur, 2805 Lavanya S..., AMAN GOYAL, Vidhi Anand, Ankit Yadav, Sohil Bhatia 256, Vinit Kumar, NITIN SONI, Jyoti kaashyap, Mumtaz Kifayat, Sakshi Rana, Dhruv Anand, Kahlilj Sharma, Saloni Sharma, Pawan Joshi, Gaurav Gupta, Kavita Sahu, Naman Goyal, Smriti Verma, ENIGMA 21, Goutam Santh..., Vineet Sharma, AGRIM SHARMA, Peeyush Choud..., 8 others, You

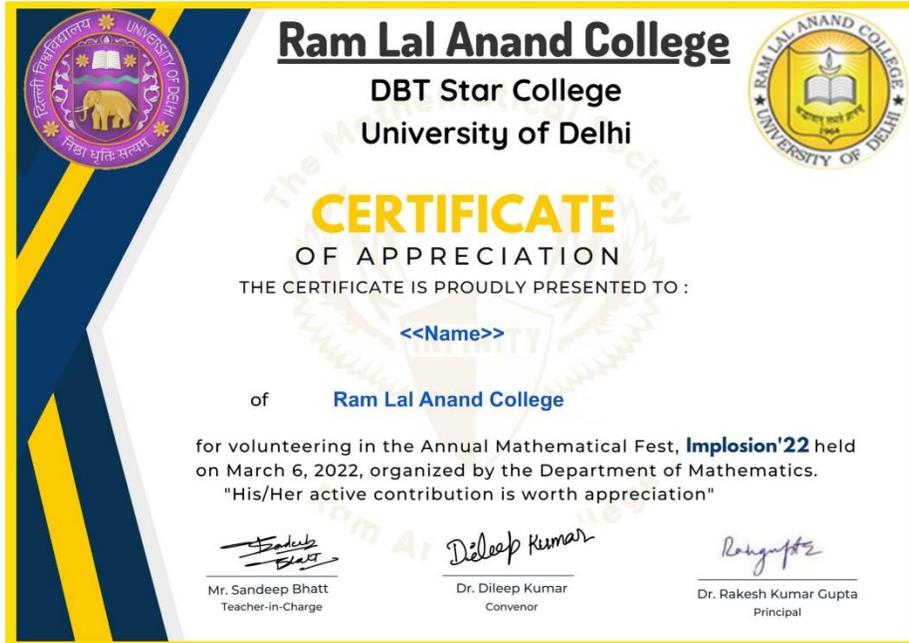
15:43 | pvj-fzjr-ozq

Windows Taskbar: 15:43, 06-03-2022





Sample Certificate



Sandeep Bhatt
Sandeep Bhatt
Teacher in Charge