

# **DEPARTMENT OF MATHEMATICS**

## **About the Department**

The Department of Mathematics aims at providing in-depth knowledge of the subject which enables students to pursue their career in diverse range of fields like banking, civil services, corporate sector, actuarial sciences, teaching, research and many more. For the overall development of students, varied range of activities are organized which includes talks, seminars, workshops, quizzes , field visits , excursions and fun events.

**Teacher In-Charge:** Dr. Ritu Arora

**Association In-Charges:** Ms. Geeta , Dr. Rashmi Rani

**Tenure :** 2019-2021

## **Activities 2020-2021**

### **Farewell 2021**

The Department of Mathematics, Janki Devi Memorial College organized a Virtual **Farewell** for its graduating batch of 2021. The event was held on 28<sup>th</sup> June, 2021 on Zoom, an online platform. It was attended by the entire department, students as well as faculty.

The event started with a heartfelt farewell message by Dr. Sharda Sharma Gautam, Teacher In-charge, Department of Mathematics. The event was graced by Dr. Swati Pal, Principal, Janki Devi Memorial College who enlightened the students with her inspirational words and extended her best wishes to all the students. A lot of performances from both 2<sup>nd</sup> and 1<sup>st</sup> year students were displayed and much enjoyed by everyone.

The farewell was based on the theme “Olde Worlde” and was conducted in two parts. The entries for Round 1 were taken in advance and judged by the judges, Ms. Sonia and Ms. Chanpreet Kaur. Based on Round 1 results, entries of Round 2 were taken and the results were announced on the day of the farewell along with Round 3.

The results are as follows: -

Miss Farewell 2021- Megha Chauhan

First Runner Up- Nikita

Second Runner Up- Rishita

Ms. Fashion Plate- Renu Meghwal

Ms. Million Dollar Smile- Shubhica

Ms. Graceful- Athira Rajan

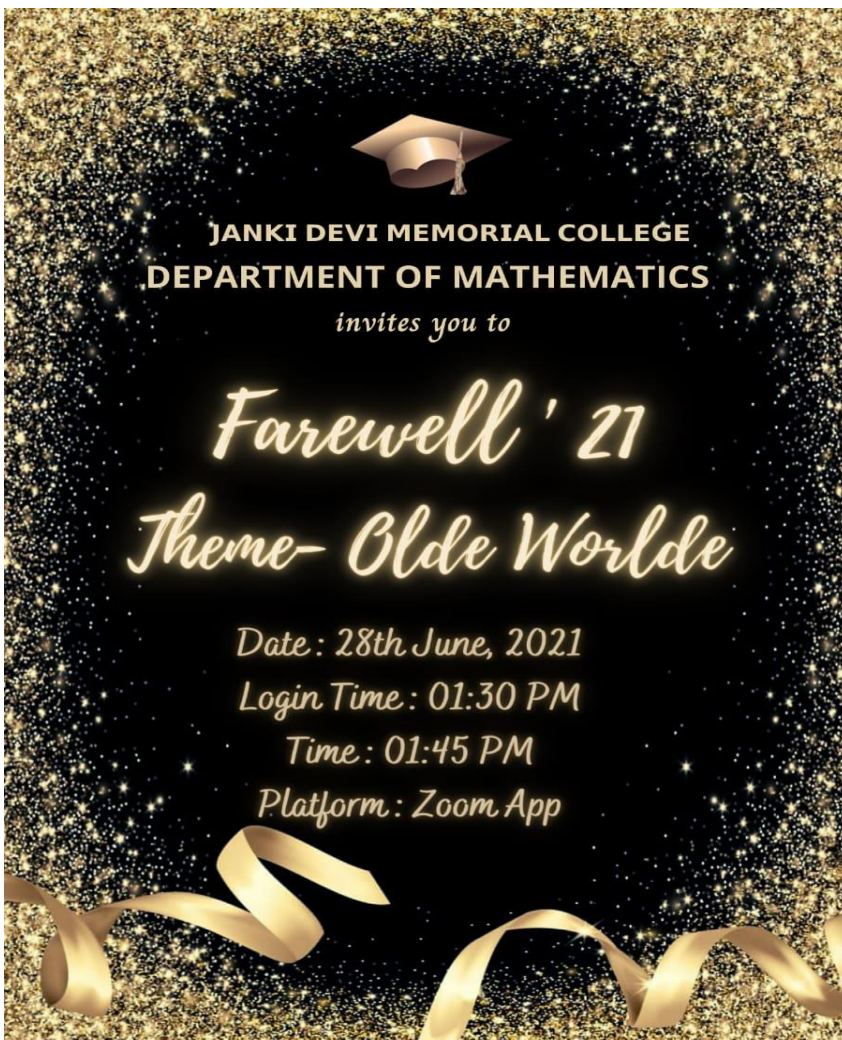
Ms. Nightingale- Priyanka Joshi

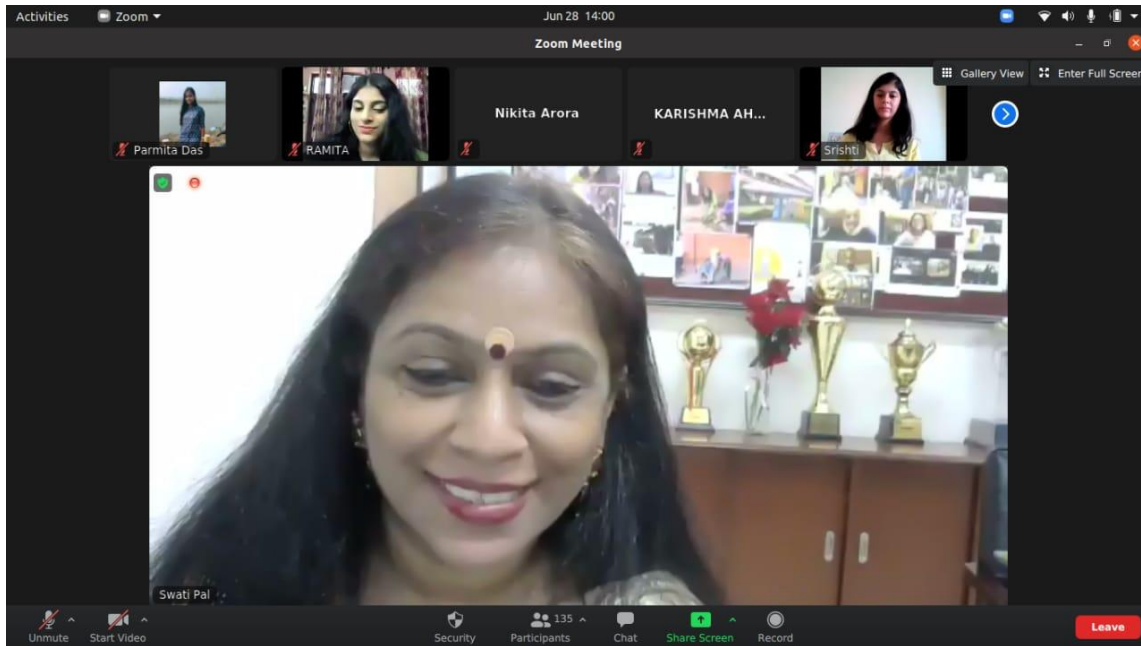
Gift vouchers were given to all the finalists.

Farewell speech was given by some students of 3<sup>rd</sup> year. A goodbye video was also displayed for the graduating batch at the end. Thereafter, Dr. Ritu Arora, gave a hearty and insightful farewell message to all the students.

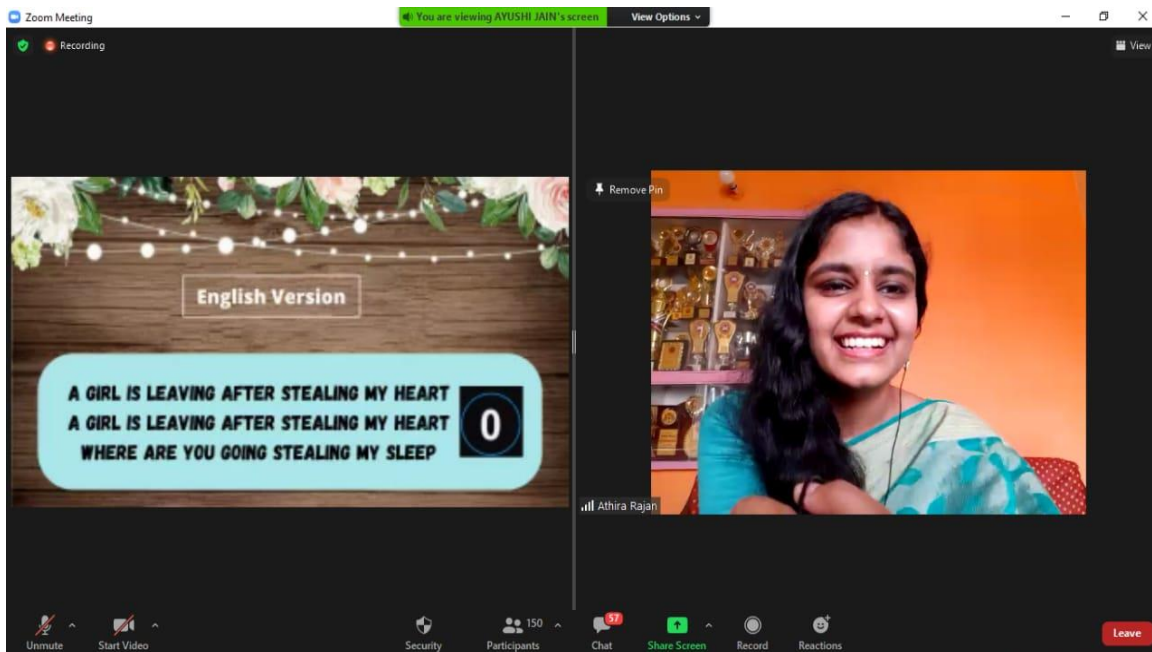
To conclude, Farewell 2021 was great, filled with nostalgia, fun and excitement.

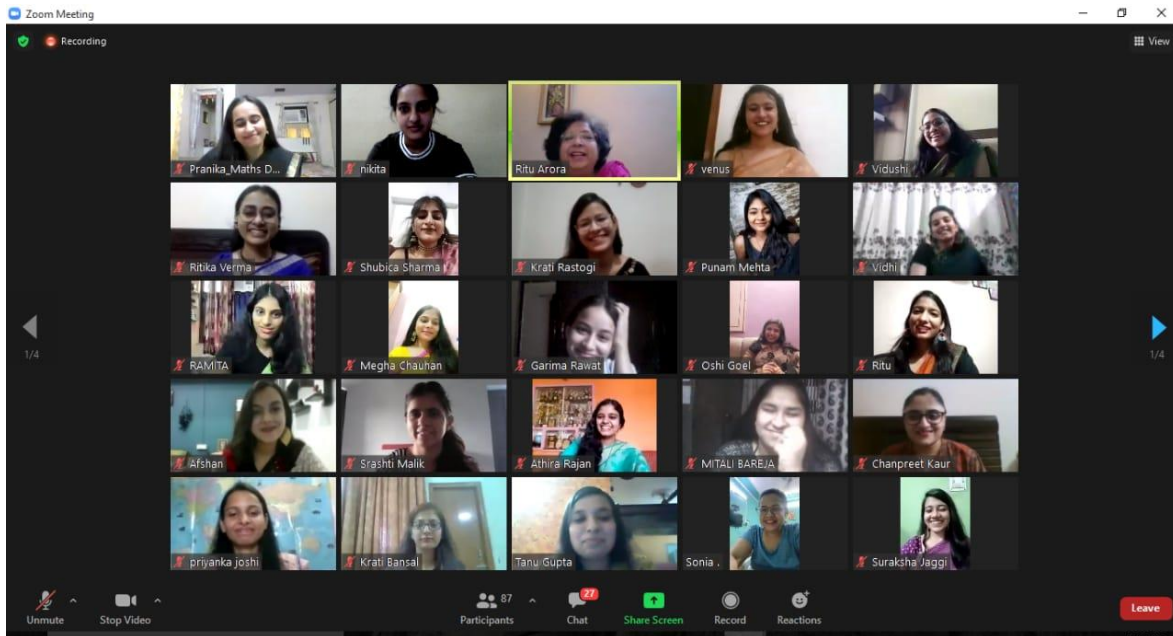
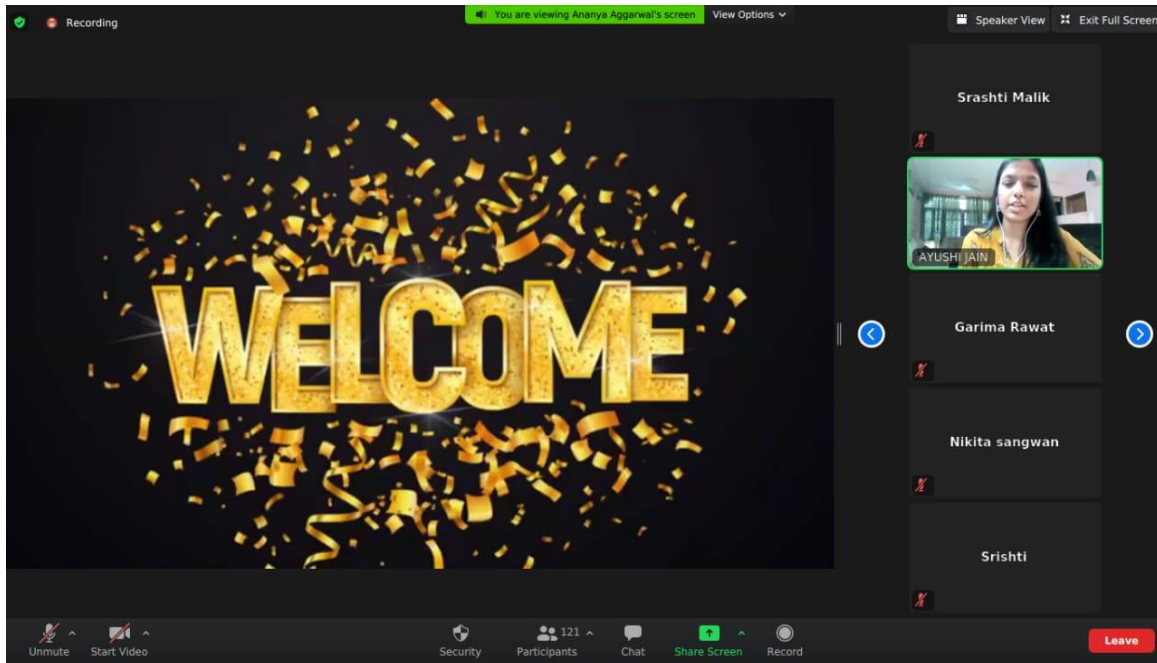
### Poster of Farewell 2021





## Pictures of Farewell 2021





## National Webinar

On

### **“National Education Policy 2020 and Its Implications on Mathematics”**

The Department of Mathematics, Janki Devi Memorial College, University of Delhi organized a national webinar on **“National Education Policy 2020 and Its Implications on Mathematics”**. The webinar was organized for all the students and faculty members of different universities and colleges on 16<sup>th</sup> April, 2021.

Objective of the webinar was to make participants familiar about National Education Policy 2020 and its significant provisions involving mathematics and how it provides a platform to build, nurture, foster, encourage and multiply mathematical thinking.

The webinar started with the welcome address proposed by Dr. Ritu Arora, Teacher In-charge, Department of Mathematics. She highlighted the importance of holistic approach, interactive teaching and research-oriented education needed in today’s world.

The resource person for the webinar was Prof. Shobha Bagai, Cluster Innovation Center, University of Delhi.

She explained the key points of National Education Policy (NEP) 2020 in detail. She elaborated the fundamental principles of NEP and simplified why we need NEP 2020. Prof. Bagai discussed about the previous NEPs and highlighted the changes in NEP 2020.

There was an overwhelming response from the audience which was extremely interactive throughout the Q&A round and proved to be yielding.

The webinar was attended by more than 245 participants from different domains and colleges. The webinar ended with a vote of thanks proposed by Ms. Pranika, President, Students' Union (2020-21), Department of Mathematics.

Feedback, using Google form was also sought after the event. The analysis of the responses from the participants revealed that approximately **89.9% of the participants rated the webinar in the higher category** in the overall rating and **89.1% expressed their willingness to attend such programmes in future.**

## Poster of the webinar on National Education Policy 2020 and Its Implications on Mathematics

Janki Devi Memorial College  
(University of Delhi)

The Department of Mathematics  
PRESENTS

**NATIONAL WEBINAR**  
ON  
**NATIONAL EDUCATION POLICY 2020 AND  
ITS IMPLICATIONS ON MATHEMATICS**

**Speaker: Prof. Shobha Bagai**

Professor at Cluster Innovation Centre,  
University of Delhi. Member of the  
Vice-Chancellor nominated Empowered  
Committee to formulate the syllabus of  
B.Sc. (H) Mathematics, University of Delhi.

DATE: 16TH APRIL, 2021  
LOGIN TIME: 10:30 AM  
TIME: 11 AM-12 PM  
PLATFORM: ZOOM APP

*E-certificates will be provided to all the participants.*

Registration Link: <https://forms.gle/PtjnCsXnupXw8j368>

Ms. Geeta & Dr. Rashmi  
(Convenors)

Dr. Ritu Arora  
(Teacher In-charge)

Prof. Swati Pal  
(Principal)

For queries, contact: Pranika: 9910808602 | Srashti: 8171420207

## Pictures of the webinar on National Education Policy 2020 and Its Implications on Mathematics

Zoom Meeting

You are viewing shobhabagai's screen

Recording...

View Options

NEP 2020 - Higher Education

- Integration of Humanities and Arts with STEM
- Imaginative and flexible curricular structures
- Include credit-based courses and projects in the areas of community engagement and service, environmental education, and value-based education
- Undergraduate degree to be of either 3-or 4-year duration, with multiple exit options with appropriate certifications
- Academic Bank of Credit (ABC) to be established which would digitally store the academic credits earned

shobhabagai

Unmute Start Video Security Participants 247 Chat Share Screen Pause/Stop Recording Reactions Leave


Type here to search

11:48  
16-04-2021


Zoom Meeting    You are viewing Srashti Malik's screen    View Options

Recording...    Oneplus8 entered the waiting room    Admit    View

**Prof. Shobha Bagai**  
 Professor at Cluster Innovation Centre, University of Delhi



- ❖ Masters and PhD in Mathematics from Indian Institute of Technology (IIT) Delhi.
- ❖ Gold medalist, Punjab University for scoring 100% marks in Mathematics.
- ❖ Has been teaching in University of Delhi since 2001.
- ❖ Has been an active part of various research projects and has given various invited talks on several topics related to mathematics.
- ❖ She has published many papers in National and International journals.
- ❖ Author and Chief Editor of Book: Foundation Course - Building Mathematical Ability.
- ❖ Teaching Excellence Award for Innovation, University of Delhi.
- ❖ Presently, Professor at Cluster Innovation Centre, University of Delhi.
- ❖ Member of the Vice-Chancellor nominated Empowered Committee to formulate the syllabus of B.Sc. (Hons) Mathematics, University of Delhi.



shobhabagai


Unmute    Start Video    Security    Participants 227    Chat    Share Screen    Pause/Stop Recording    Reactions    Leave

Type here to search    11:07 16-04-2021


Zoom Meeting    You are viewing Srashti Malik's screen    View Options

Recording...    Prof. Shobha Bagai's profile slide is visible in the background.

**Prof. Shobha Bagai**  
 Professor at Cluster Innovation Centre, University of Delhi



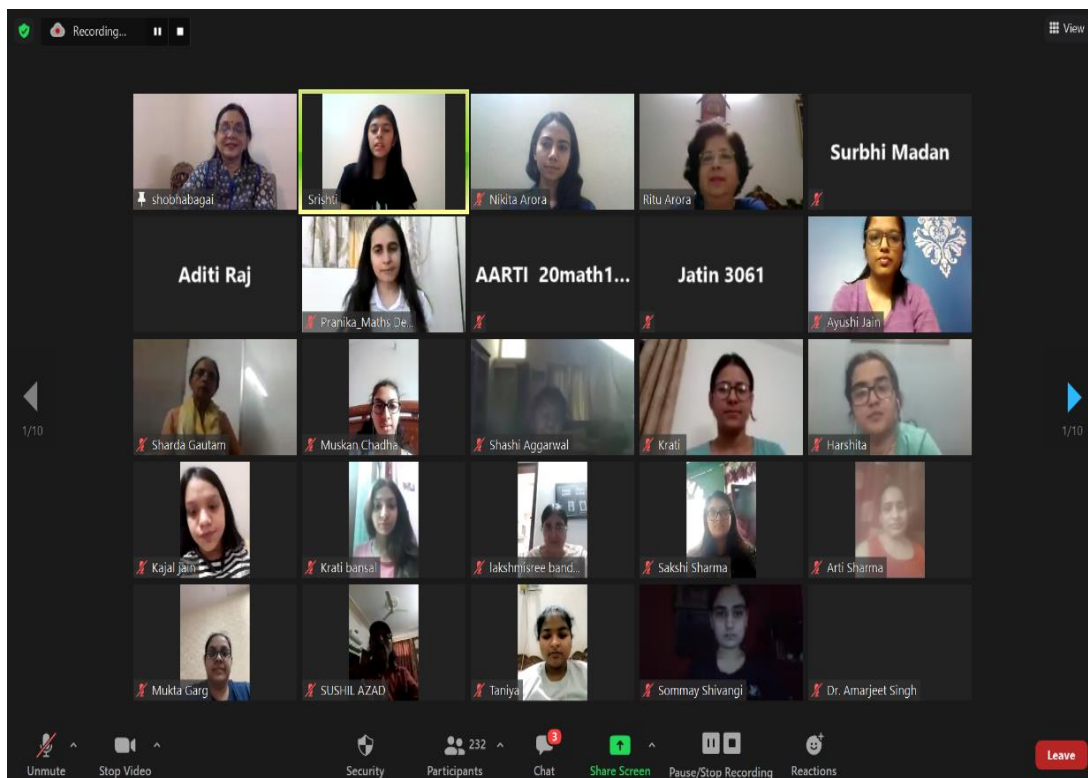
- ❖ Masters and PhD in Mathematics from Indian Institute of Technology (IIT) Delhi.
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Ritu Arora

Unmute    Start Video    Security    Participants 219    Chat    Share Screen    Pause/Stop Recording    Reactions    Leave

Type here to search    11:04 16-04-2021



### **OBE Guidance session**

The Department of Mathematics, Janki Devi Memorial College organized an informative session regarding OBE (Open Book Examination) for the 1<sup>st</sup> year students of the department. An online Zoom meeting was organized on March 12, 2021 to explain the procedure of OBE.

The total numbers of attendees including faculty members were more than 80. The students of third and second year who previously appeared for online examination shared their experience, provided guidance and useful tips regarding the exam. Queries regarding OBE examinations were addressed by faculty members and students familiar with OBE exams.

It turned out to be very helpful and informative session for the students. It also gave comfort and confidence to the students.



# Pictures of OBE Session

Zoom Meeting You are viewing Event Coordinator- Srashti Ma... s screen View Options

### Answers for Question No:6

Sheet Number	View Answer Sheet	Uploaded At	Action
1	<a href="#">View</a>	Dec 15, 2020 5:26:47 PM	<a href="#">Modify</a>


The cheating, acting dishonestly and/or collusion in an examination is a serious disciplinary offence that result in disciplinary actions as per Ordinance of the University.

**UNFAIRMEANS DECLARATION**

I hereby confirm that the uploaded answer sheets are entirely my own work and I have not (i) used the services of any agency or person(s) providing specimen, model or ghostwritten work in the preparation of the answer sheets I submit for this open book examination (OBE); (ii) taken assistance in accessing this paper or in providing ghostwritten work to other students submitting for this open- book examination.

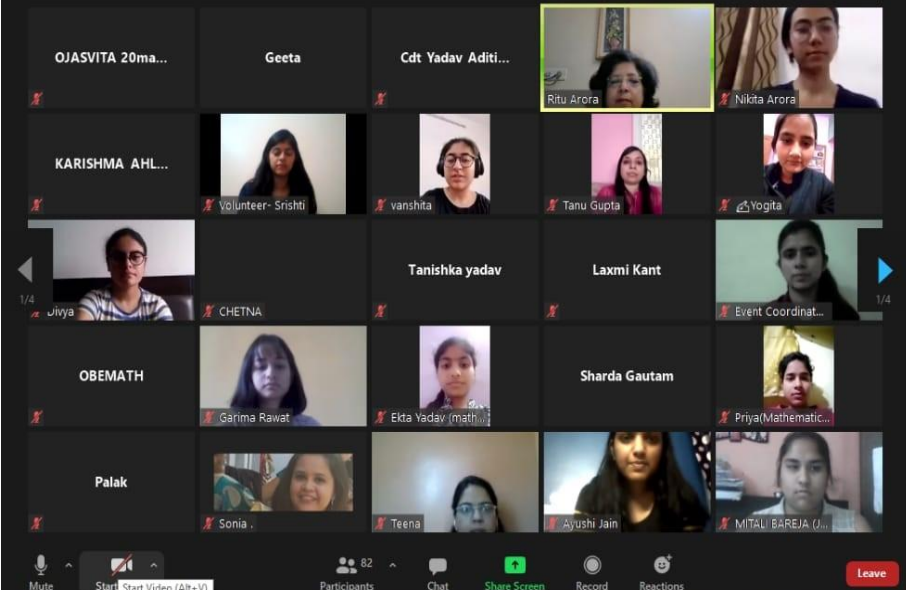
I Agree

[I Agree & Submit response](#)



Ritu Arora

Zoom Meeting View



Participants: 82

Buttons: Mute, Start Video (Alt+V), Chat, Share Screen, Record, Reactions, Leave

**Chat**

From Anisha Yadav to Everyone:  
hme ans pdf kis name s save krke upload krna h like name\_examrollno. or ques no.?

From Aruni Saxena to Everyone:  
what are the timings for exams

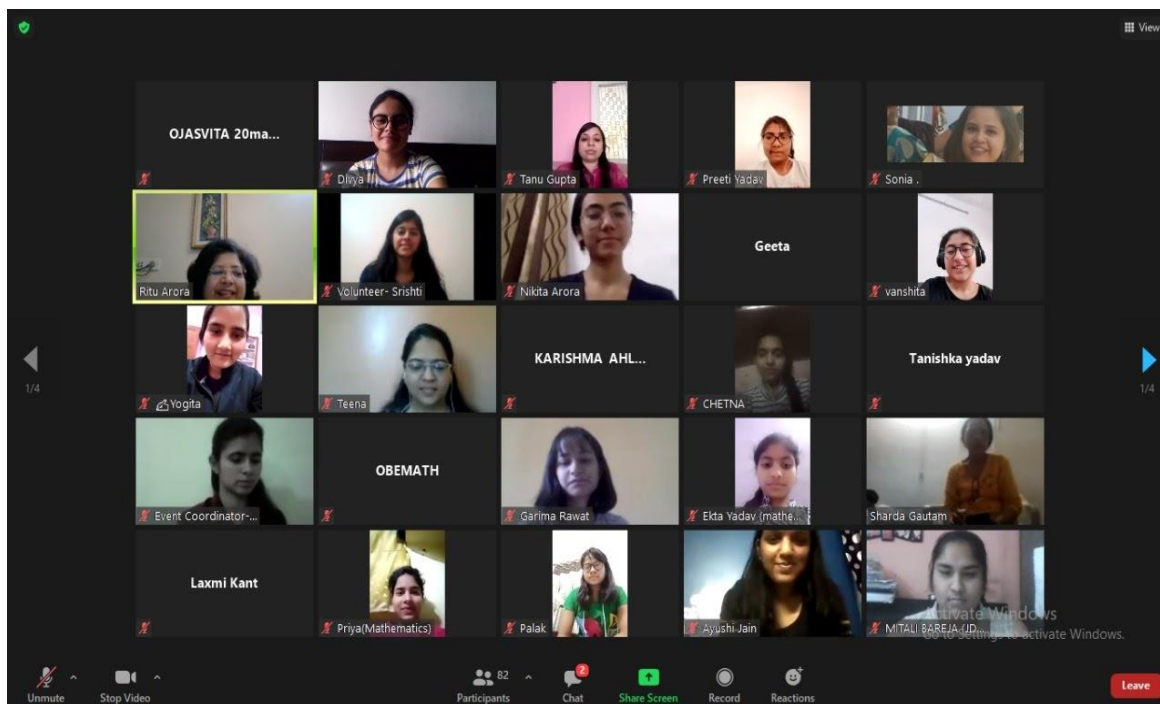
From Kritika Sethi to Everyone:  
we have to write the registered phone number or our whatsapp number

From Priya to Everyone:  
which mail id we have to write clg or personal id??

From tannu to Everyone:  
mam what about the mock test for obe?

To: Everyone File

Type message here...



## **Alpana, Mathematical Rangoli Competition**

Radian-ce, The Mathematics Society organized an inter-college Mathematical Rangoli Competition-*Alpana* from 1:30 pm to 3:30 pm on February 19, 2021 as a part of the annual college festival, Symphony 2021. Due to the pandemic situation of Covid-19, competition was held online on the Zoom platform.

Prof. Swati Pal, Principal, Janki Devi Memorial College welcomed the participants with her inspiring words and boosted their confidence.

The judges for the competition were Ms. Geeta Kwatra, Artist, Ms. Deepti Sethi and Dr. Tanu Gupta, Faculty, Janki Devi Memorial College. A total of 20 students from various colleges were shortlisted on the basis of first-cum-first serve for the competition, out of which 5 students appeared on the day of the competition. The students put their best foot forward and took part in the competition with zest. Innovation and creation are the words that best describes their efforts. Their respective combination of Maths and art were tempting.

The event was attended by more than 35 participants including students and faculty members.

Deepak, a student of Sarada Ukil School of Art, Delhi Polytechnic University was announced as the winner of the competition.

The prize winner was felicitated by cash prize of Rs. 2500 and certificates were given to the all the participants.

Poster of Alpana

The poster features a dark background with a gradient from blue to red. At the top left is the 'RADIANCE' logo, and at the top right is the 'JANKI DEVI MEMORIAL COLLEGE' logo. The text is centered and reads: 'RADIANCE-CE THE MATHEMATICS SOCIETY JANKI DEVI MEMORIAL COLLEGE SYMPHONY 2021 presents ALPANA THE MATHEMATICAL RANGOLI'. Below this, it specifies the date 'FEBRUARY 19, 2021', login time '01:00 PM', and event time '01:30 PM'. The platform is listed as 'ZOOM APP'. A registration link is provided: <https://forms.gle/2lJfHKNIzSrPBEVvZ>. It states that registration ends on February 14, 2021, and that seats are on a first-come, first-serve basis. It encourages participants to win cash prizes. Contact information for Prof. Swati Pal (Principal) is provided, including an email address and social media handles.

Pictures of Alpana



Recording Unpin Video

Event coordinator-Pranika is sharing computer screen

Gallery View Exit Full Screen

BeZebBae

Unmute Start Video

Security 36 Participants Chat Share Screen Record Reactions

MITALI BAREJA

Ishita Gupta

Geeta Kwatra

BeZebBae

Volunteer Mehak

Leave

Recording View

Volunteer- Ay...

Volunteer-Ra...

volunteer- Na...

Event coordin...

Volunteer - Vl...

Volunteer-Jaya

Ekta Yadav

Anjali

BeZebBae

Mitali Bareja

Ishita Gupta

Swati Pal

Unmute Stop Video

Security 34 Participants Chat 10 Share Screen Record Reactions

Leave

Zoom

Unmute Stop Video Share Content Participants More

Leave

Event coordinator-Pranika

Swati Pal

Geeta Kwatra

Volunteer - Vidhi Mittal

Deepthi Sethi

Tanu Gupta

Volunteer-Ramita

Event Coordinator- Srashti Malik

Volunteer- Navya

Volunteer Mehak

Volunteer-Jaya

Mitali Bareja

Anjali

BeZebBae

Geeta

## Unveiling Math- Paper Presentation Competition, Symphony 2021

Radian-ce, The Mathematics Society organized an inter-college Paper Presentation Competition from 11:30 am to 1:30 pm on February 17, 2021 as a part of the annual college festival, Symphony 2021. The theme of the competition was *Vedic Math*. Due to the pandemic situation of Covid-19, competition was held online on the Zoom platform.

The judges for the competition were Dr. Neha Agrawal, Faculty, Kiroli Mal College, Ms. Teena Kohli and Dr. Arti Sharma, Faculty, Janki Devi Memorial College. 8 students from various colleges participated in the competition and presented the concepts of Vedic Math including its origin, 16 Sutras, applications in different fields as well as benefits like increased concentration and innovation ability.

The event was attended by more than 70 participants including students and faculty members. During the competition a short video clip on *Vedic Math* was also shown.

The result of the event is as follows:

First prize- Ishita Pandey, Indraprastha College for Women, University of Delhi.

Second prize- Adityendra Tiwari, Hansraj College, University of Delhi.

Third prize- Simran Ahlawat, Janki Devi Memorial College, University of Delhi

The prize winners were felicitated by cash prizes of Rs. 2500, 2000, 1500 respectively and certificates were given to all the participants.

### Poster of Unveiling Math, Paper Presentation Competition

**Radian-ce**  
THE MATHEMATICS SOCIETY  
JANKI DEVI MEMORIAL COLLEGE  
**SYMPHONY 2021**  
Presents  
**Unveiling Math**  
Paper Presentation  
THEME : VEDIC MATHS

FEBRUARY 17, 2021 | LOGIN TIME : 11:00 AM |  
TIME : 11:30 AM | PLATFORM : ZOOM APP

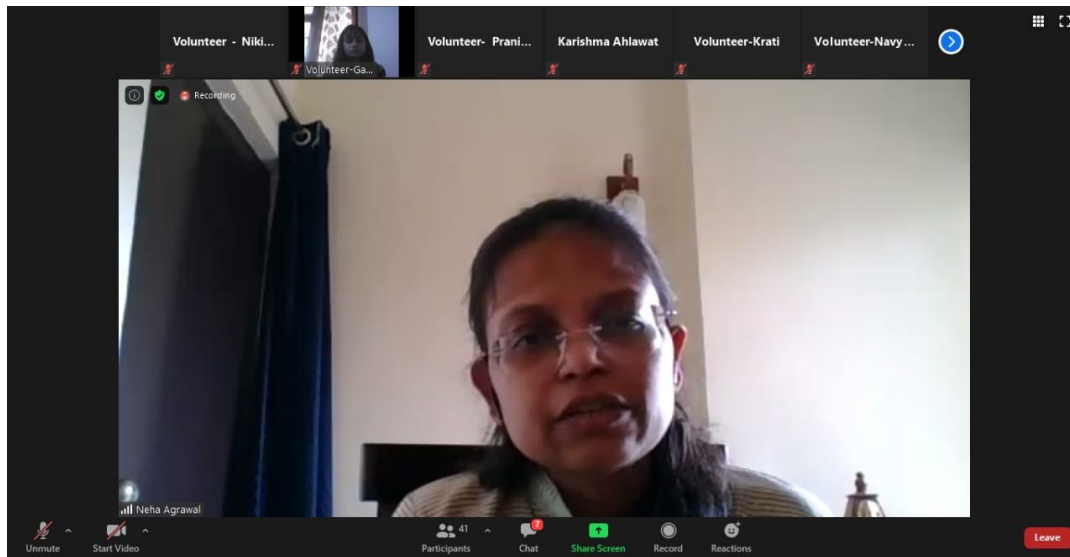
Last Date of Registration: February 12, 2021  
Registration Link: <https://forms.gle/GjRpiepZ1beMGPSp9>

**ATTRACTIVE CASH PRIZES!**

For queries, Contact:  
✉ : [jdm.maths@gmail.com](mailto:jdm.maths@gmail.com)  
📷 : [radiance\\_jdmc](https://www.instagram.com/radiance_jdmc)  
📘 : [@jdmc\\_mathdepartment](https://www.facebook.com/jdmc_mathdepartment)

Prof. Swati Pal  
(Principal)

## Pictures of Unveiling Math, Paper Presentation Competition




Recording




## Vakrapaksa Shyena

Calculating the area of such a shape must be a challenging geometrical problem

Area of the altar = 7.5 square Purushas



ISHITA PANDEY

Recording

Speaker View

	<b>Vishakha Singh</b>			
<b>win10</b>	<b>Arti Sharma</b>		<b>Sneha</b>	

1/2

1/2

Unmute Stop Video Participants 36 Chat Share Screen Record Reactions Leave

## International Webinar

On

### “Image Compression and Linear Algebra”

The Department of Mathematics, Janki Devi Memorial College, University of Delhi organized an International Webinar on “**Image Compression and Linear Algebra**”. The webinar was organized for all the students and faculty members of different universities and colleges on 28<sup>th</sup> January, 2021.

Objective of the webinar was to showcase how Linear Algebra can make the Image Compression process faster and more efficient.

The webinar started with the welcome address proposed by Dr. Ritu Arora, Teacher In-charge, Department of Mathematics. She told how linear algebra comprises of methods which help a lot in real world especially in the study and manipulation of images.

This was followed by Principal Prof. Swati Pal; her enlightening words provided a necessary boost to the session.

The resource person for the webinar was Prof. Rekha Thomas, Walker Family Endowed Professor in Mathematics, University of Washington, Seattle.

She explained how SVD (Singular Value Decomposition) is extensively used in image compression process resulting in saving computer’s memory. She also discussed the basic idea behind an pixel image and how linear algebra plays a role in it.


There was an overwhelming response from the audience which was extremely interactive throughout the Q&A round and proved to be yielding.

The webinar was attended by more than 300 participants from different domains and colleges. The webinar ended with a vote of thanks proposed by Ms. Pranika, President, Students' Union, Department of Mathematics.


Feedback, using Google form was also sought after the event. The analysis of the responses from the participants revealed that approximately **94.7% of the participants rated the webinar in the higher category** in the overall rating and **90.6% expressed their willingness to attend such programmes in future.**



## Poster of the webinar on "Image Compression and Linear Algebra"



**Janki Devi Memorial College**  
(UNIVERSITY OF DELHI)  
**Department of Mathematics**



पठित्वा हि परमं ज्ञानमिच्छति

presents


**International Webinar**  
on  
**Image Compression  
and Linear Algebra**  
by  
**Prof. Rekha Thomas**  
*(University of Washington)*

**28th January 2021, Thursday**  
Login Time: 09:30 AM (IST)  
Time: 10:00 AM- 11:00 AM (IST)

**Registration Link:**  
<https://forms.gle/dPfdUMuvzt9bFART8>

**E-certificates will be provided to all the participants.**

**ABOUT THE  
SPEAKER**



Prof. Rekha Thomas received her Ph.D. in Operations Research from Cornell University. One of her postdoctoral positions was at the Cowles Foundation for Economics at Yale University.

Her research interests are optimization and applied algebraic geometry.

She is a Professor of Mathematics at the University of Washington. She has been the Robert R. and Elaine F. Phelps Professor and she currently holds the Robert B. Warfield Jr. Faculty Fellowship.

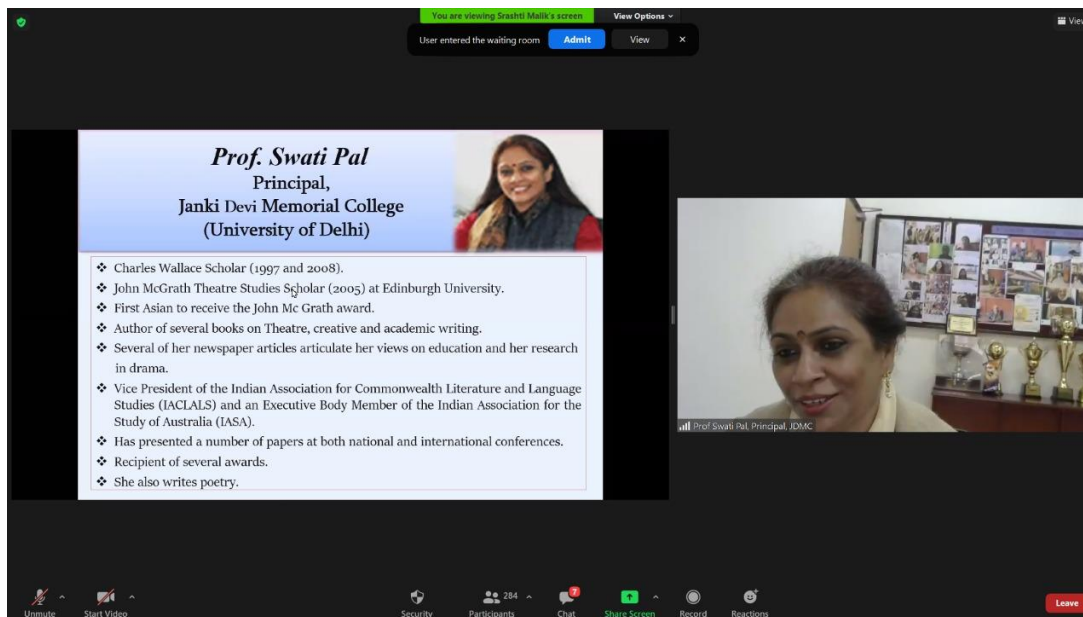
Coordinators  
Ms. Geeta  
Dr. Rashmi Rani

Convener  
Dr. Ritu Arora  
(Teacher In-charge)

Principal  
Prof. Swati Pal

For queries, contact : Pranika - 9910808602 | Srashti - 8171420207

## Pictures of the webinar on "Image Compression and Linear Algebra"



Recording... 2 people entered the waiting room View

Not Secure | timbaumann.info/svd-image-compression-demo/

COMPRESSION RATIO  
360000 / 108090 = 3.33

Show singular values

Go hover to see the original picture

1 10 20 100 200 300 400 500 600

Unmute Start Video Security Participants 302 Chat Share Screen Pause/Stop Recording Reactions Leave

Recording...

Participants (267)

Find a participant

Waiting Room (3) Message Admit all

- Prakshi
- Aarna IV-A
- Prakriti Gupta

In the Meeting (267)

Invite Mute All

Chat

thank you so much maam, it's great session.

From Geeta to Everyone:

TYPE IN YOUR DETAILS AS THEY SHOULD APPEAR ON YOUR CERTIFICATE.

To: Everyone (in Waiting Room)

TYPE MESSAGE TO WINDOWS  
Go to Settings to activate Windows.

Recording... You are viewing Rekha Thomas' screen View Options

Every black & white photo is an array of pixels  
Grey scales in a pixel can be recorded by numbers from 0 → 255

black white

Example:

$$\begin{bmatrix} \text{shaded} & \text{shaded} \\ \text{shaded} & \text{shaded} \end{bmatrix} = \begin{bmatrix} 30 & 87 \\ 128 & 150 \\ 246 & 57 \end{bmatrix} \sim \begin{pmatrix} 30 \\ 87 \\ 128 \\ 150 \\ 246 \\ 57 \end{pmatrix}$$

Every b/w photo is a matrix/vector

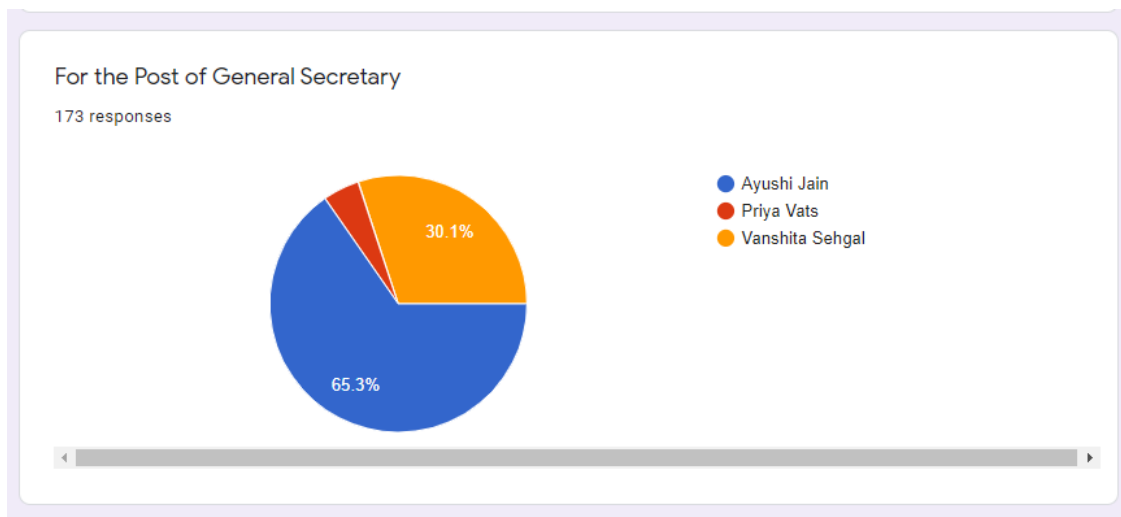
Unmute Start Video Security Participants 306 Chat Share Screen Pause/Stop Recording Reactions Leave

## Departmental Elections for the Post of General Secretary

RADIAN-CE, The Mathematics Society conducted its annual Departmental Election for the academic year 2020-2021 to elect General Secretary from the 1<sup>st</sup> year students on 20<sup>th</sup> January, 2021. The entire department set out to vote digitally via Google forms on 20<sup>th</sup> January, 2021. The total number of votes casted by the students between 8:30 am – 11:15 am were 173. The results were declared via Google meet, an online platform at 12:00 pm on 21<sup>st</sup> January, 2021. Everything turned out to be so smooth, without any discrepancies and results were displayed with proper statistics as:

Ayushi Jain – General Secretary

**Picture 1: Statistical view of results**



**Picture 2: Results declared via Google Meet**

Meeting details

Meeting controls: Mute, Unmute, Video Off, Video On, Raise hand, Turn on captions, srashti 19math429 is presenting

## Freshers' 2021

The Department of Mathematics, Janki Devi Memorial College organized its Virtual Freshers' Party on 12<sup>th</sup> January, 2021. The event was held on Zoom app, an online platform. It was attended by the entire department, students as well as faculty.

Dr. Ritu Arora, Teacher Incharge, Department of Mathematics, welcomed the students with her warm words. The event was graced by Prof. Swati Pal, Principal, Janki Devi Memorial College. Students felt motivated by her inspiring words. Ms. Teena Kohli and Dr. Arti Sharma were the judges of the Competition.

Theme of the Freshers' Party was 'Anyone But You'. The Miss Freshers' Competition was held in 3 round: Self Introduction, The Talent Hunt and The Questionnaire Round. Students were asked to send their freshly recorded videos in the first two rounds, prior to the event and the 3<sup>rd</sup> round was held live, which was further conducted in three different levels: Guess the movie by its dialogue, Guess the song by its music, The Questionnaire Level.

A lot of performances from 2<sup>nd</sup> and 3<sup>rd</sup> years, were enjoyed by one and all.

The three winners were felicitated by gift vouchers.

Miss Freshers': Vanshita Sehgal

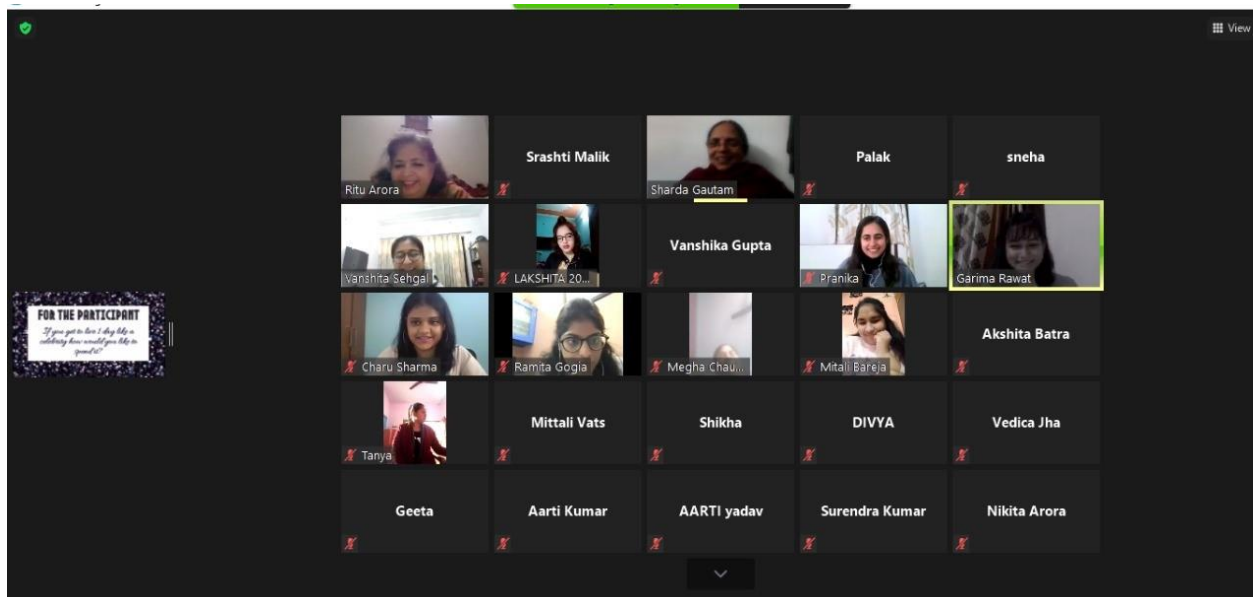
First Runner-up: Lakshita Madaan

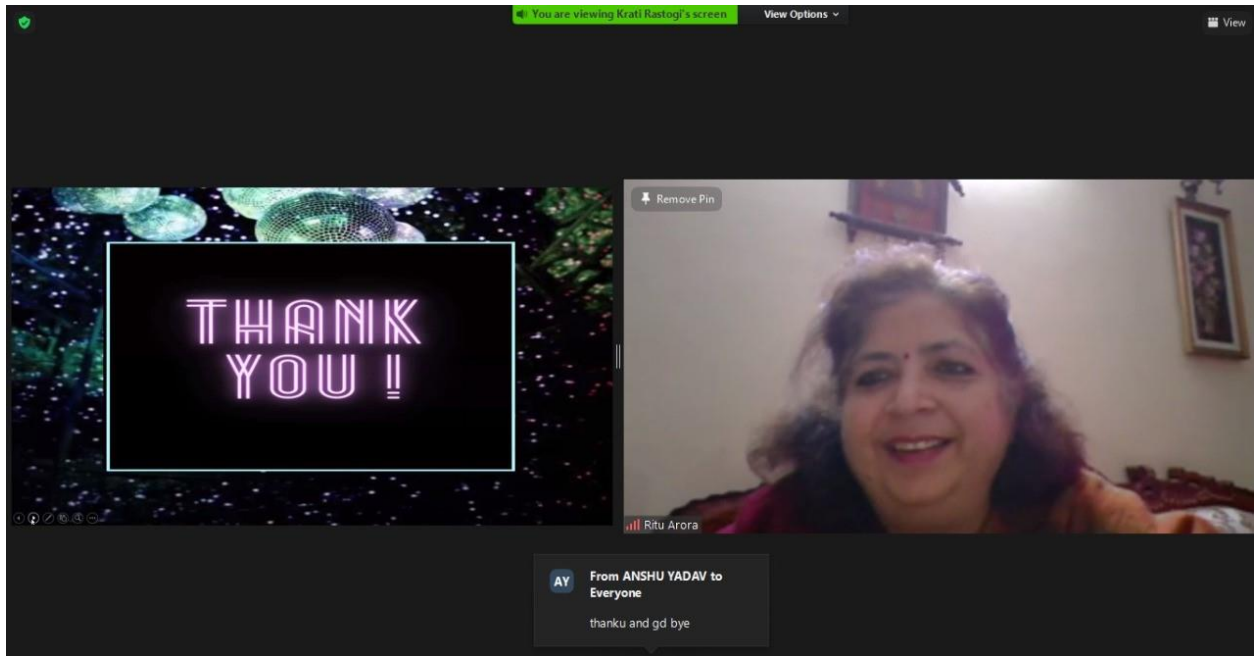
Second Runner-up: Akshita

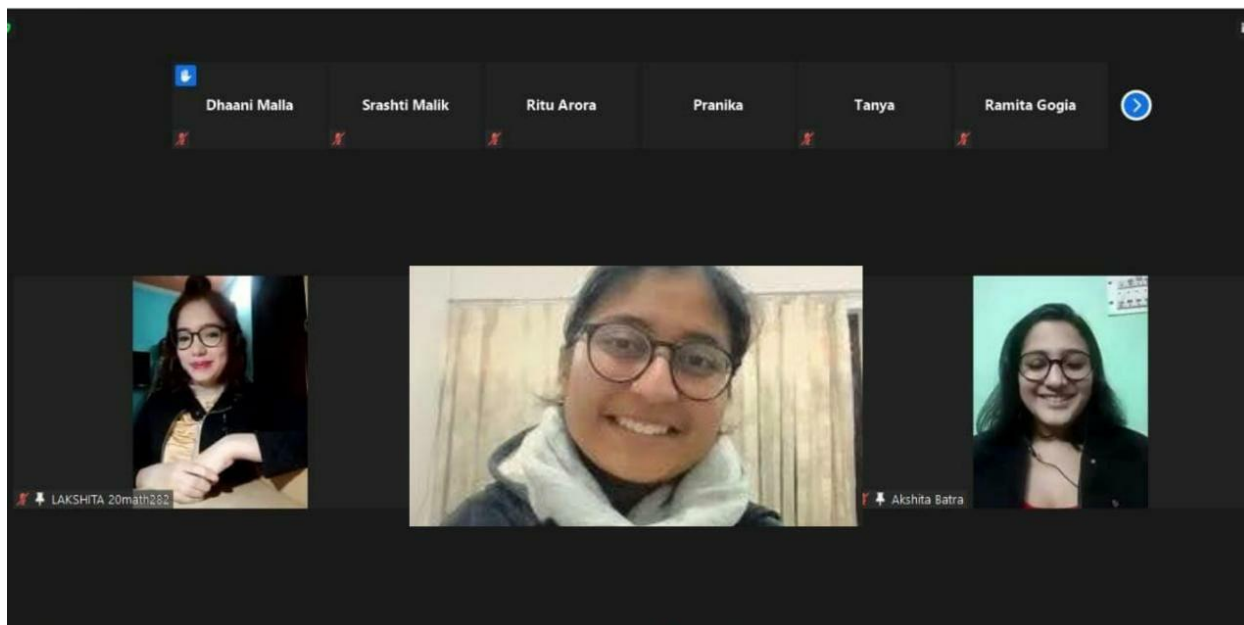
## Poster of Freshers' 2021



## Pictures of Freshers' 2021







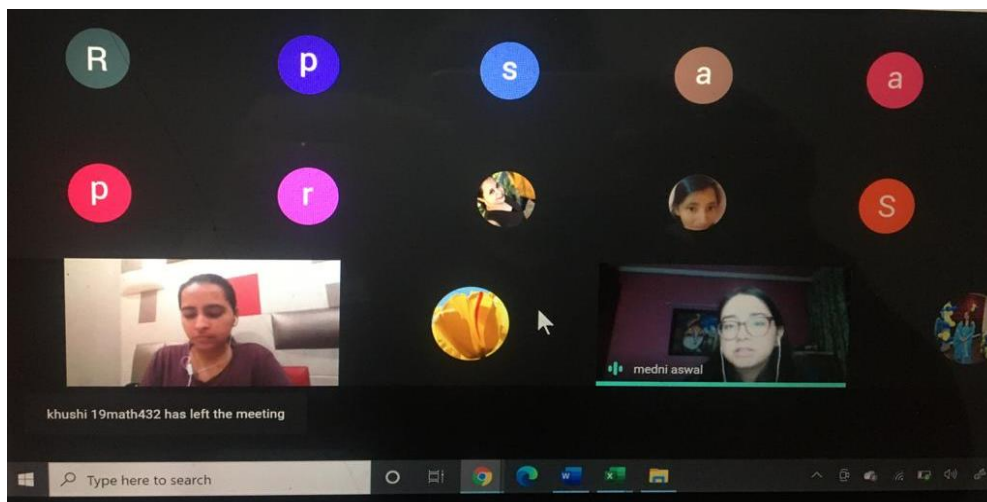
## **OBE Guidance Session**

The Department of Mathematics, Janki Devi Memorial College organized an informative session regarding OBE (Open Book Examination) in December 2020 for the students of II and III years of the department. An online Google meet was organised on December 10, 2020 to explain the procedure of OBE.

There were two sessions and was attended by 200 students. Few Students of Batch 2020 who passed out by giving online examination were invited to share their experience, provide guidance and useful tips regarding the exam. Queries regarding OBE examinations were addressed by the faculty members and students familiar with OBE exams.

It turned out to be very helpful session for the students who had appeared for OBE in August. It gave comfort and confidence to the students.

## Pictures of OBE Guidance Session





**National Webinar**  
**On**  
**"How We Can Secure Our Online Communication"**

The Department of Mathematics, Janki Devi Memorial College, University of Delhi organized a National Webinar on "**How We Can Secure Our Online Communication**". The webinar was organized for all the students and faculty members of different universities and colleges on 19<sup>th</sup> November, 2020.

Objective of the webinar was to showcase the importance of cyber hygiene to protect ourselves from all types of cyber threats as the significance of online services has increased.

The webinar started with the welcome address proposed by Dr. Ritu Arora, Teacher In-Charge, Department of Mathematics. With growing Online Communication, Dr. Ritu Arora discussed the need to secure it. The resource person for the webinar was Dr. Dhananjay Dey, Associate Professor, Interim Dean (IPR) & Dean (A), IIIT, Lucknow (Former Scientist 'E', DRDO, Delhi).

Dr. Dey explained and elaborated about cyber attack and the role of cryptography to secure communication. He recommended some practices for safer internet banking and mobile device security. He also inspired us all to maintain good cyber hygiene by using anti-viruses, network firewalls, strong passwords, multi-factor authentication, device encryption and regular backups. The webinar was of utmost importance and aimed at spreading different practices to secure our Online Communication.

There was an overwhelming response from the audience which was extremely interactive throughout the Q&A round and proved to be yielding.

The programme consisted of over 220 participants from different domains and colleges. The webinar ended with a vote of thanks proposed by Ms. Pranika, President, Students' Union, Department of Mathematics.

Feedback, using Google form was also sought after the event. The analysis of the responses from the participants revealed that approximately **92% of the participants rated the webinar in the higher category** in the overall rating and **87% expressed their willingness to attend such programmes in future.**

Poster of the webinar on "How We Can Secure Our Online Communication"



**Janki Devi Memorial College**

(UNIVERSITY OF DELHI)

**Department of Mathematics**

presents



**National Webinar**

on

**How We Can Secure Our  
Online Communication**



**Dr. Dhananjoy Dey**

Associate Professor,  
Interim Dean (IPR) & Dean (A),  
IIIT, Lucknow, India.

**19th November 2020, Thursday**

Login Time: 10:30 AM

Time: 11:00 AM- 12:00 PM

Platform: Zoom app

*E-certificates will be provided to all the participants.*

For queries, contact:

Pranika : 9910808602

Srashti : 8171420207

**Prof. Swati Pal**

(Principal)

## Pictures of the webinar on "How We Can Secure Our Online Communication"

This screenshot shows a Zoom webinar interface. The main video feed displays Dhananjay Dey, a man with glasses wearing a light blue shirt, speaking. The Zoom logo is visible in the top left corner. The bottom control bar shows 165 participants and various icons for audio, video, screen sharing, chat, and a 'Leave' button.

**Zoom Group Chat**

etection of data ...  
what should we do then?

Navya Lohia To **Everyone** 11:59:57 AM  
if we will have so many different passwords then how will we remember them? we can't even save it in our phones

Mitali Boreja To **Everyone** 12:00:08 PM  
strong passwords are ok but what about strong pin ...how can we make a strong pin because we are available with limited 10 digits only  
and banking applications only allow pin no passwords

Srisha Malik To **Everyone** 12:02:32 PM  
How safe or unsafe are smart phones?  
Adhaar cards and its data ?is it being misused?

Srishti gupta To **Everyone** 12:04:07 PM  
Sir how can we secure paytm and google pay transaction?

Shikha yadav To **Everyone** 12:05:23 PM  
sir how can we secure our app from hacker

Palak To **Everyone** 12:06:25 PM  
sir how can we know that which app is safe for us and which is not while downloading from google play store??

To: **Everyone**  
Type message here ...

This screenshot shows a Zoom webinar interface featuring Ritu Arora. She is a woman with glasses and dark hair, wearing a dark top. The background shows a wall with a framed picture and a lamp. The Zoom control bar at the bottom indicates 137 participants and includes icons for audio, video, screen sharing, chat, and a 'Leave' button.

Chrome File Edit View History Bookmarks People You are viewing Dhananjay Dey's screen View Options Thu, 19 Nov, 11:17:58

Postcard and 7mm link of the... Post Attence - 7mm Sacani - Google Drive


drive.google.com/drive/u/0/recent

Secure Online Comm.pdf Open with Google Docs Attacks

## Haldiram's Hit by Ransomware Attack

### Haldiram's hit by ransomware attack, hackers asked for \$7.5 lakh

Shikha Salaria | TNN | Updated: Oct 17, 2020, 13:31 IST



NOIDA: Snacks manufacturer Haldiram's faced a ransomware attack on its servers by hackers who allegedly encrypted all its files, data, applications and systems and demanded a ransom of 7.5 lakh USD for giving access to the stolen data.

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complaint was... to the cyber cell on

Join Audio Start Video Participants 222 Share Screen Chat More Leave

Zoom Meeting Recording View

Ritu Arora	sonali	Srishti gupta	Tanu Gupta	Teena
Dhananjay Dey	Rusheen khan	PSANIKA	Uzefa	Abha Jain
KIRTI	Prahlad Kumar	Archana A	Sharda Gautam	Khushboo
realme 7 pro	Srashti Malik	Charu Sharma	Ritu	Niki Sharma
Dr Prashobh Dsouza	lakshita Madaan	Geeta	Grace	Palak

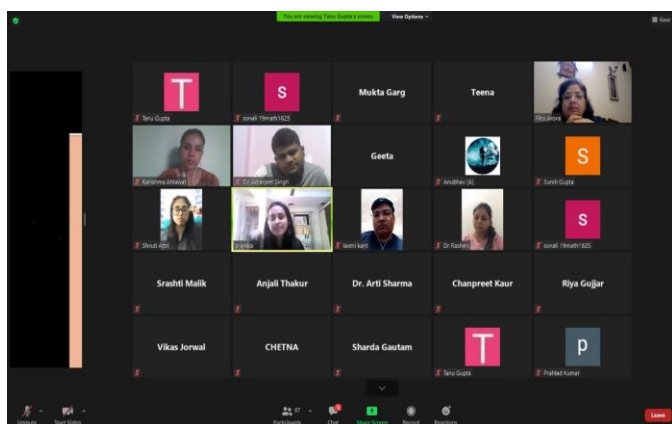
1/6 1/6

## Orientation Program

The Department of Mathematics, Janki Devi Memorial College held its Departmental Orientation Program on 18<sup>th</sup> November, 2020. It was held virtually via Zoom app, an online platform. The program consisted of more than 80 attendees.

Newly admitted students were cordially welcomed by Dr. Ritu Arora, Teacher In-Charge of the department. Dr. Tanu Gupta introduced all the Faculty Members and Student Union Members to the freshers. The Faculty Members made the new students familiar to their respective subjects. Students were set free to ask their queries or doubts regarding the course and the college as well. All the queries were taken care of by the considerate faculty members.

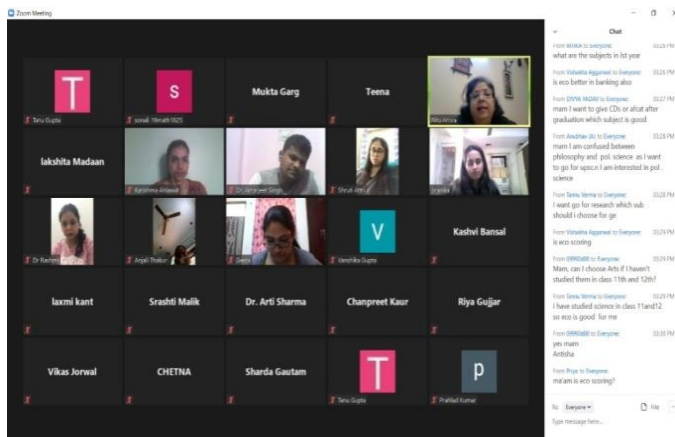
### Pictures of Orientation



**Some Instructions**

- Due to the ongoing pandemic the classes will be held online on Google Meet platform. Students will attend classes according to the time table of the section allotted to them. Students are advised to make a gmail id in the format : college roll no -name-[math20@gmail.com](mailto:math20@gmail.com), for e.g. 230-Tanu Gupta-[math20@gmail.com](mailto:math20@gmail.com)
- Practical classes will be held using software Mathematica. Students will be given a link from where they can download the software for free on laptop/desktop and use it for practice. **Ms. Teena Kohli** will provide more information on this in the due course of time.
- College will share a link to fill AECC and GE options via email website. It is mandatory to fill the form and try to fill ASAP as the seats in all the courses are limited and are given on first come first serve basis.
- Students are also requested to join the Whatsapp group created for 1<sup>st</sup> yr as any further information will be shared on the group.

A vertical Zoom meeting grid on the right side of the slide, showing several participants' video thumbnails and names.



## Department Elections

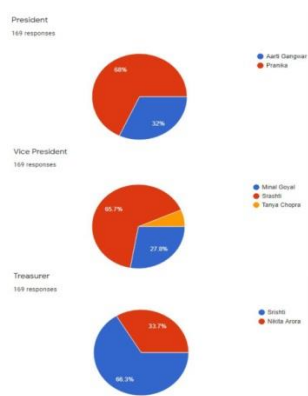
RADIAN-CE, The Mathematics Society conducted its annual departmental election for the year 2020-2021 on 6th November, 2020. The entire department set out to vote digitally (COVID times) via Google forms on 6th November, 2020 . The total number of votes casted by the students between 8:30 am – 11:45 am were 169. By 12:15 pm, the elections were concluded and the results were declared via Google meet, an online platform. Everything turned out to be so smooth, without any discrepancies and results were displayed with proper statistics as:

Pranika Batra - President

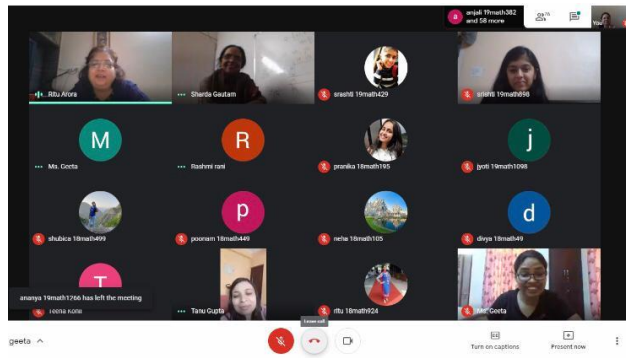
Srashti - Vice President

Srishti - Treasurer

### Picture 1: Statistical view of results



### Picture 2: Results declared via Google Meet



## **'Quizzard – The Game of General Trivia''**

The Intra College level technical event "Quizzard" organised by Radian-ce, The Mathematics Society, Janki Devi Memorial College, University of Delhi, virtually via Zoom app on 31<sup>st</sup> October, 2020 in the presence of Dr Ritu Arora (Teacher In-Charge), Dr. Sharda Sharma Gautam and other faculty members of the Department of Mathematics.

The event is organised with the objective to provide platform for the students to showcase their talent with a competitive spirit.

The event was successful enough to attract as many as 75(approximately) registrations from various departments and attended by more than 85 students.

"Quizzard" was a general quiz competition where each student participated solely. The competition consisted of three rounds viz. Round 1(Elimination Round), Round 2 (Audio Visual Round) and Round 3 (Rapid fire Round). Round 1 was an online round through Google Form where the participants were given 30 multiple choice questions to be solved in 13 minutes. Total of 10 participants were selected to further compete in the Round 2. Round 2 was a 12 minutes round where a series of questions (based on Logos, Tag line of various companies and Puzzles) through images were given to the participants. In the final round i.e. Round 3, each of 6 shortlisted participant was given 35 seconds to answer a series of 5 questions. Based on this round, three participants were declared the winner of the event. The winners were encouraged with the gift vouchers worth Rs 1200, 1000 and 800.

The winners of the event are as follows:

Winner- Aakanksha Singh

1<sup>st</sup> Runner-up- Jyoti

2<sup>nd</sup> Runner-up- Vidhi Mittal

The event turned out to be a great success with questions ranging from all spheres and was successful in keeping the audience engaged at all points.



## Poster of the event.

**Radian-ce**  
The Mathematics Society  
Janki Devi Memorial College  
Presents  
**QUIZZARD**  
THE GAME OF GENERAL TRIVIA

Round 1:-  
27th October, 2020  
via Google Form  
at 6 p.m.

Round 2 & 3:-  
31st October, 2020  
live at 11 a.m. on Zoom app  
Login Time: 10:40 a.m.

Winners will get exciting gift vouchers worth  
Rs 1200, Rs 1000 & Rs 800

**BE READY! BE SMART!  
BE NOTICED!**

For further details contact :  
Bhavika: 78976 77865  
Devyani: 75000 78481

Prof. Swati Pal  
Principal  
(Patron)

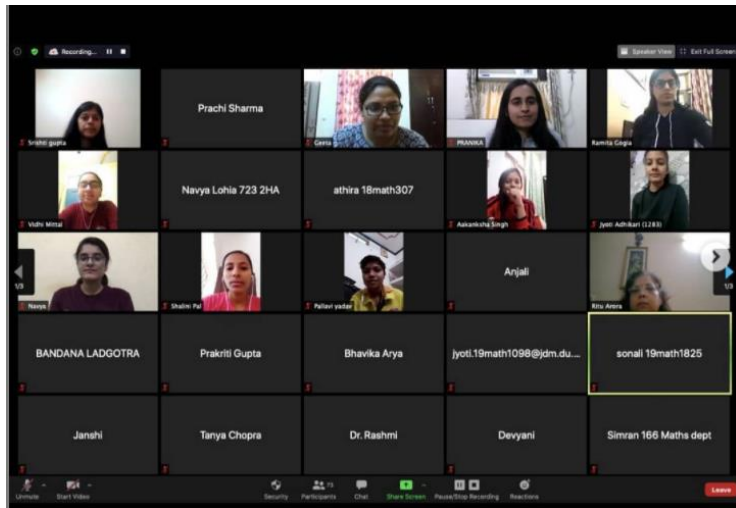
## Pictures of Quizzard

QUESTION 6

HOW MANY HANDSHAKES ARE THERE WHEN THREE PEOPLE SHAKE HANDS WITH EACH OTHER?

50

Prachi Sharma  
PRANKA  
athira 18math307  
Ramita Gogia



## **National Webinar**

**on**

### **"Impact of Diet on Health and Immunity"**

Department of Mathematics in collaboration with the Internal Quality Assurance Cell (IQAC), Janki Devi Memorial College, University of Delhi organized a National Webinar for all the students, faculty and non-teaching staff on 08.10.2020. The topic of the webinar was **"Impact of Diet on Health and Immunity"**. The speaker of the day was Dr. Richa Garg, a renowned Dietician based in Delhi and Founder of Arogyam Nutrition.

Welcome note by Dr. Ritu Arora, Teacher In-charge, Department of Mathematics and introductory address by honorable Principal Prof. Swati Pal marked the beginning of the webinar. Dr. Shilpa Chaudhary (IQAC Coordinator) introduced the guest speaker.

Dr. Richa Garg explained in depth about the concept of a balanced healthy diet, its mental and physical outcomes. She recommended that we should include fresh fruits, vegetables, herbs, nuts and seeds in our daily diet to boost our immunity. She also touched upon the PMS and PCOD among teenage girls. The participants queries were answered towards the end of the session.

The programme saw an overwhelming response from the audience with over 375 attendees from different domains and colleges. The webinar ended with a vote of thanks proposed by Dr. Sharda Sharma Gautam.

Feedback, using Google form was also sought immediately after the event. The analysis of the responses from the participants revealed that **95% of the participants rated the webinar in the higher category** in the overall rating and **90% expressed willingness to attend such programmes in future.**

## Poster of the webinar on "Impact of Diet on Health and Immunity".

JANKI DEVI MEMORIAL COLLEGE  
(University of Delhi)

*IQAC and Department of Mathematics  
invite  
Students, Faculty and Non-Teaching staff to*

**National webinar**  
on  
**IMPACT OF DIET ON HEALTH AND  
IMMUNITY**

**Speaker**  
**Dr. Richa Garg**  
(Nutrition and Wellness  
Consultant)  
Founder-Arogyam Nutrition  
Since 2009

E-certificates will be provided to all the participants.

OCTOBER 8, 2020 | 12:00-01:00PM  
LOGIN TIME-11:30AM | ZOOM APP

For queries, contact  
Bhavika - 7897677865;  
Devyani - 7500078481

Chief Patron  
Prof. Swati Pal  
(Principal)

## Pictures of the webinar on "Impact of Diet on Health and Immunity".

Recording

You are viewing Tanu Gupta's screen

View Options

**Prof. Swati Pal,**  
Principal,  
Janki Devi Memorial College (University of Delhi)

- Charles Wallace Scholar (1997 and 2008).
- John McGrath Theatre Studies Scholar (2005) at Edinburgh University.
- First Asian to receive the John Mc Grath award.
- Author of several books on Theatre, creative and academic writing
- Several of her newspaper articles articulate her views on education and her research in drama.
- Vice President of the Indian Association for Commonwealth Literature and Language Studies (IACLALS) and an Executive Body Member of the Indian Association for the Study of Australia (IASA).
- Has presented a number of papers at both national and international conferences.
- Recipient of several awards

Ritu Arora

Join Audio Start Video

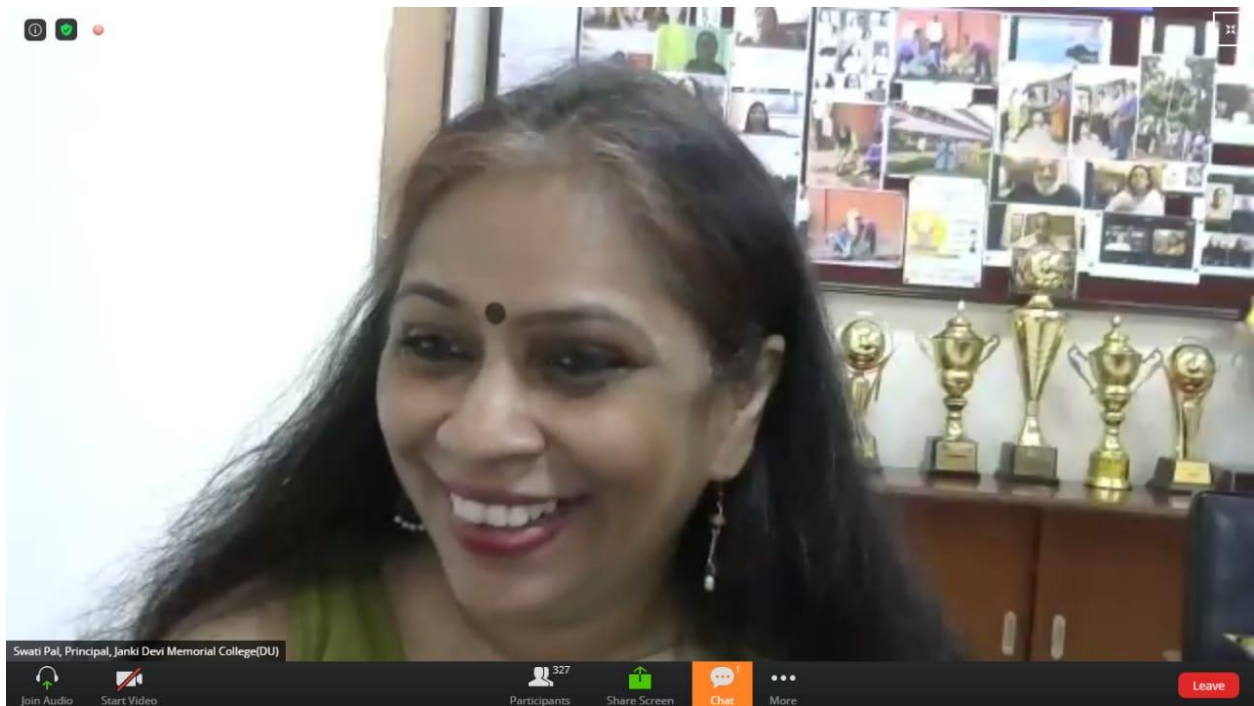
Participants 283

Share Screen

Chat

More

Leave



Zoom Meeting

2 people entered the waiting room View

Dr. Sharda Sharma Gaur... Richa Garg Tanu Gupta bhavika Shilpa Chaudhary

Ritu Arora Sivati Pal, Principal, Janki... devyani gusain Teena Aarav Bansal (28/2)

Geeta Sushma bansal Abha Jain Ananya Chandel Prinka Goyal

Dr. Amarjeet Singh BANDANA LADGOTRA anshu Suri Muskan tanwar Ruchi

Shalini pal Oshi Goel Muskan Chaudha

Sonia Gandhi Dr Rashmi

Unmute Stop Video Security Participants Chat Share Screen Record Reactions Leave

Type here to search

13:46 08-10-2020

You are viewing Richa Garg's screen View Options

## SPECIFIC FUNCTIONS OF OMEGA-3 FATTY ACIDS-

- Prevents cancer by inhibiting tumor cell growth.
- Anti inflammatory effect especially in arthritis.
- Protects us by creating the healthy cell wall.
- Enhances brain function as 80% of the brain fat is omega-3.
- Prevents depression.
- Reduces the chances of getting Asthma.

Richa Garg

Join Audio Start Video Participants 359 Share Screen Chat More Leave

Zoom Meeting | You are viewing Richa Garg's screen | View Options

laxmi kant | arti 19math1151 | Bushra Saifi | Uzma Pthaan | noorafsa.polsci... | Prachi Sharma

# ZINC

### ANIMAL SOURCES



Shellfish



Oysters



Seafood



Dairy Products





Wholegrains



beans



Kabuli Chana



Cashew



Pumpkin seeds



Peanut butter



Sesame seeds

Unmute | Start Video | Security | Participants (376) | Chat | Share Screen | Pause/Stop Recording | Reactions | Leave

Type here to search | 12:56 | 08-10-2020

Zoom Meeting | Speaker View

Participants (228)

Find a participant


Unmute | Stop Video | Security | Participants (228) | Chat (17) | Share Screen | Record | Reactions | Leave

Type here to search | 13:45 | 08-10-2020

The Department of Mathematics, Janki Devi Memorial College organized a first of its kind Virtual Farewell for its graduating batch of 2020. The event was held on 29<sup>th</sup> July, 2020 on Google Meet, an online platform. It was attended by the entire department, students as well as faculty.

The event was graced by Dr. Swati Pal, Principal, Janki Devi Memorial College who addressed the students and gave them a hearty farewell message. A lot of performances from both 2<sup>nd</sup> and 1<sup>st</sup> year students were displayed and much enjoyed by everyone.

The farewell was based on the theme “Bollywood Throwback” and was conducted in two parts. The entries for Round 1 were taken in advance and judged by the judges, Mr. Vikas Jorwal and Ms. Karishma Ahlawat. After the results were declared, Round 2 entries were taken and the results were announced on the day of the farewell along with Round 3.

Miss Farewell 2020- Nikita Kohli  
First Runners Up- Ritika Jain  
Second Runners Up- Juhi Jha

The event concluded with Dr. Ritu Arora, T.I.C giving a heartfelt farewell message to the graduating batch.

## Farewell 2020



Picture 1: Farewell 2020 invitation.

Picture 2: The event being held on Google Meet.