

*PHYSITHON SOCIETY*  
*ACTIVITY REPORTS*

*2023-24*



## **REPORT ON VISIT TO NATIONAL SCIENCE CENTRE**

- Department/Committee/Cell/Cultural Clubs, Others: PHYSITHON SOCIETY
- Name of the activity: Visit to National Science Centre
- Funding Agency (Internal/External) and Amount: 0/-
- Name of the Convener: Prof. Monika Bassi
- Name of the Co-Conveners: Dr. Rashmi Menon and Ms. Varsha
- Name of Teacher Coordinators: - Prof. Punita Verma
- Date/s (-to-) and time (-to-) of activity: 07<sup>th</sup> October 2023
- Collaborating agency if any: NONE
- Number of students and teachers: 26 students
- Number of participants outside Kalindi College: No

## Detailed report on visit to National Science Centre

On 7 October 2023, we had the privilege of participating in an official tour to the National Science Centre. This educational excursion was organized by our college to enhance our understanding of science and technology. The National Science Centre, located in New Delhi, is a renowned institution dedicated to promoting scientific awareness and curiosity among the general public.

The primary purpose of this visit was to provide students with an opportunity to explore various scientific exhibitions, engage in interactive learning experiences, and gain insights into the world of science and technology. It was also an occasion to connect the theoretical knowledge acquired in the classroom with practical and real-world applications.

### **Highlights of the Visit:**

1. **Interactive Exhibits:** The National Science Centre boasts a wide range of interactive exhibits that cover a variety of scientific disciplines, from physics and chemistry to biology and astronomy. These exhibits allowed us to experiment, observe, and learn in a hands-on manner.
2. **Educational PlayStation:** We participated in educational PlayStation that focused on specific scientific concepts. These games were engaging and facilitated deeper understanding of the subject matter.
3. **Energy Balls Show:** The visit included a mesmerizing energy balls show that took us on a journey of knowledge. It was both informative and visually stunning, and it deepened our appreciation for the vastness of the physics.

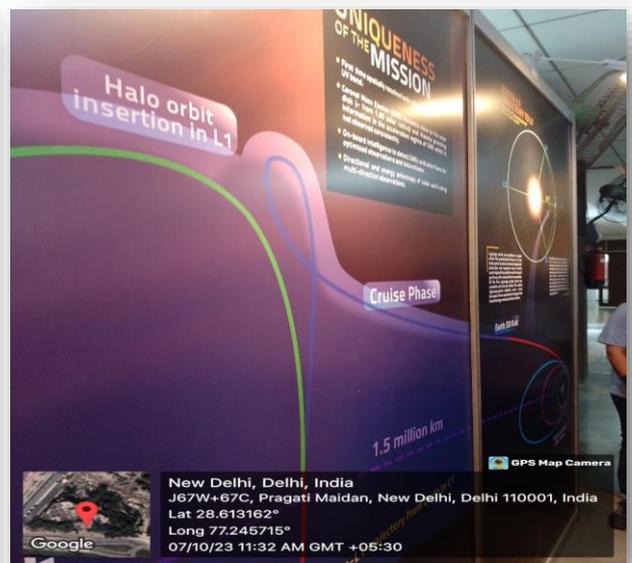
The official tour to the National Science Centre was a truly enlightening and enriching experience. It bridged the gap between theoretical knowledge and practical application, fostering a deeper appreciation for the world of science and technology. The visit not only enhanced our understanding but also kindled our curiosity about the marvels of the scientific world.

### Attendance sheet

S.No	Name of Student	Course
1	Mannat	B.Sc.(H) Physics III
2	Umang	B.Sc.(H) Physics III
3	Anjali Kanta	B.Sc.(H) Physics III
4	Varsha	B.Sc.(H) Physics III
5	Nidhi Sharma	B.Sc.(H) Physics III
6	Shristi	B.Sc.(H) Physics III
7	Khushboo	B.Sc.(H) Physics III
8	Jaismee	B.Sc.(H) Physics III
9	Neha Yadav	B.Sc.(H) Physics III
10	Ritika	B.Sc.(H) Physics III

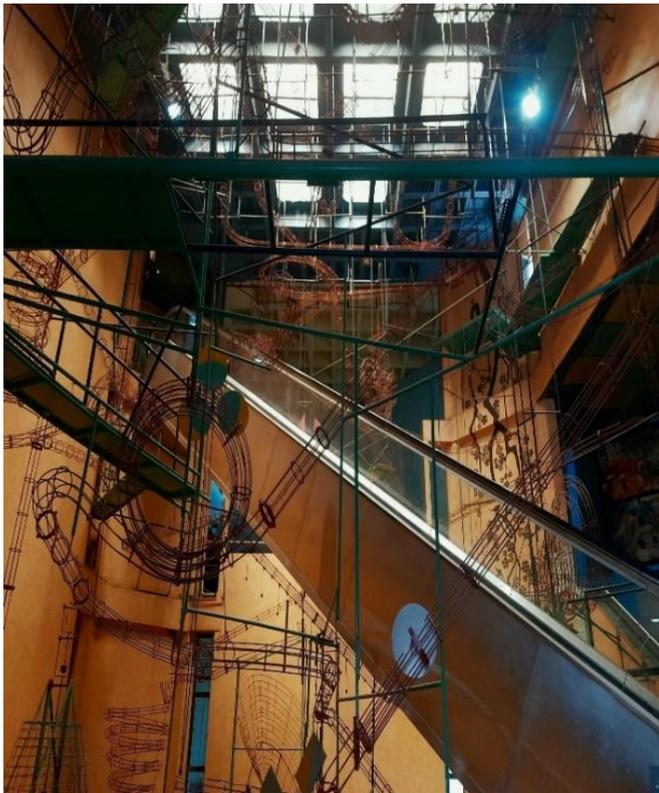
11	Ishika	B.Sc.(H) Physics III
12	Payal	B.Sc.(H) Physics III
13	Priya Sharma	B.Sc.(H) Physics III
14	Himanshi	B.Sc.(H) Physics III
15	Shweta	B.Sc.(H) Physics III
16	Himanshi	B.Sc.(H) Physics III
17	Anjali Chauhan	B.Sc.(H) Physics III
18	Nupur	B.Sc.(H) Physics III
19	Nandani	B.Sc.(H) Physics III
20	Madhavi	B.Sc.(H) Physics II
21	Sejal	B.Sc.(H) Physics II
22	Supriya	B.Sc.(H) Physics II
23	Preeti	B.Sc.(H) Physics II
24	Dipakshi	B.Sc.(H) Physics II
25	Sweta	B.Sc.(H) Physics II
26	Sakshi	B.Sc.(H) Physics II

## Geo tagged Photographs





*AT NATIONAL SCIENCE CENTRE*



ENERGY BALL



ADITIYA L1



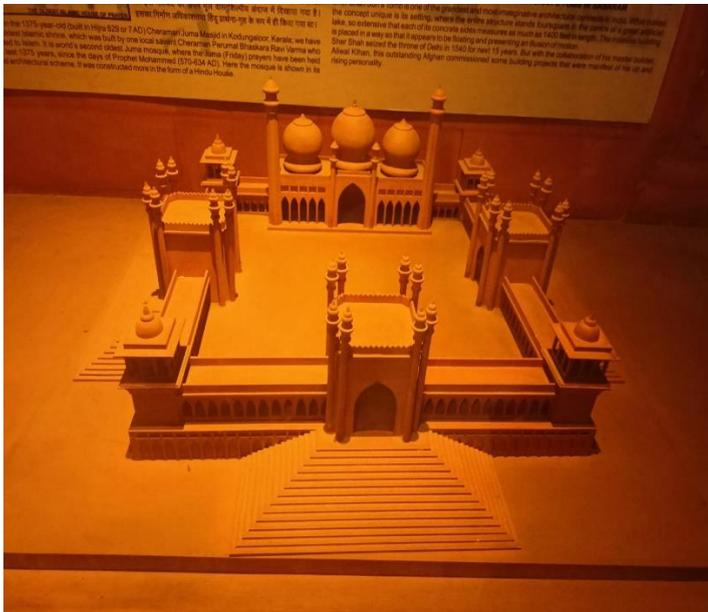
IIND HONOURS STUDENTS



IN THE SECTION OF NUCLEAR REACTAION AND RADIATION



IIND HONOURS STUDENTS





## **REPORT ON RESONANCE**

- Society: PHYSITHON SOCIETY
- Name of the activity: RESONANCE
- Funding Agency (Internal/External) and Amount:  
Internal (Kalindi College)-Rs. 5,600/-  
External (Sponsorship)- Rs 4,000/-
- Name of the Convener: Dr. Monika Bassi
- Name of the Co. Conveners: Dr. Rashmi Menon and Ms. Varsha
- Date/s (-to-) and time (-to-) of activity: 20<sup>th</sup> October 2023, 9:30am - 5:00pm.
- Number of Participants: 38 Students
- Number of participants outside Kalindi College: 09 Students

**POSTER OF THE EVENT:**

**Kalindi College**  
**University Of Delhi**  
**Accredited Grade 'A+' by NAAC**  
**Physithon, The Physics Society**  
**Department of Physics**  
**Presents**  
**INTER-COLLEGE EVENT**  
**RESONANCE**

**9 AM -3 PM | 20 October 2023 |Seminar Room**  
**Theme: G20 Summit**  
**Register here : <https://forms.gle/cxp1Qtyt9h5L2pP76>**

**•Oath Ceremony      •Group Discussion      •Quiz**

**Prof. Meena Charanda**    **Prof. Monika Bassi**    **Dr. Rashmi Menon, Ms. Varsha**    **Umang**    **Mannat Rana**  
**Principal**                      **Convener**                      **Co-Convener**                      **President**                      **Vice President**

## BROCHURE OF THE EVENT:

# THE PHYSITHON SOCIETY

KALINDI COLLEGE  
ACCREDITED  
A+BY NAAC  
UNIVERSITY OF  
DELHI



### About Us:

Welcome to Physithon, the ultimate physics society where we explore the wonders of the nature through our physics lenses. Get ready to embark on an incredible journey of discovery and innovation. We're all about hosting interactive workshops, events, cultural programs and organizing physics-themed competitions. Join us as we dive into the fascinating world of physics and make a difference together! 🌟

### Contact Us:

- ★ President:-  
Umang  
91663 11449
- ★ Vice President:-  
Mannat Rana  
80910 97569

The physics society,  
Department of physics  
presents  
**RESONANCE**  
9 AM - 2 PM | 20 October 2023



### OUR EVENTS

- ◆ **BADGING CEREMONY**  
(9:00 am to 10:30 am)  
At seminar hall
- ◆ **GROUP DISCUSSION**  
(10:30 am to 12:00 pm)  
At seminar hall
- ◆ **QUIZ COMPETITION**  
(12:00 pm to 1:00 pm)  
At Sangam Parisar
- ◆ **BREAK**  
(1:00 pm to 2:00 pm)
- ◆ **CULTURAL EVENT**  
(2:00 pm to 5:00 pm)  
At Sangam parisar

### Topics for Group Discussion and Quiz



- ★ **Group Discussion :**
  1. Technological Transformation and digital public infrastructure
  2. Women - led development
- ★ **Quiz competition:**
  1. G- 20 summit 2023 🇮🇳

INVITATION CARD FOR PRINCIPAL MA'AM



# Invitation

Respected Mam,

We are pleased to invite you for

**"RESONANCE"**

on **"20 October.2023"** at

**"09:30am"**

for the

**"Inaugural Ceremony"**

and to join us for all the session  
at **Seminar Hall** .

We will be highly obliged if you  
could spare some of your valuable  
time to grace the occasion.

## INVITATION CARD FOR TEACHERS



# Christalgar

Respected teachers,

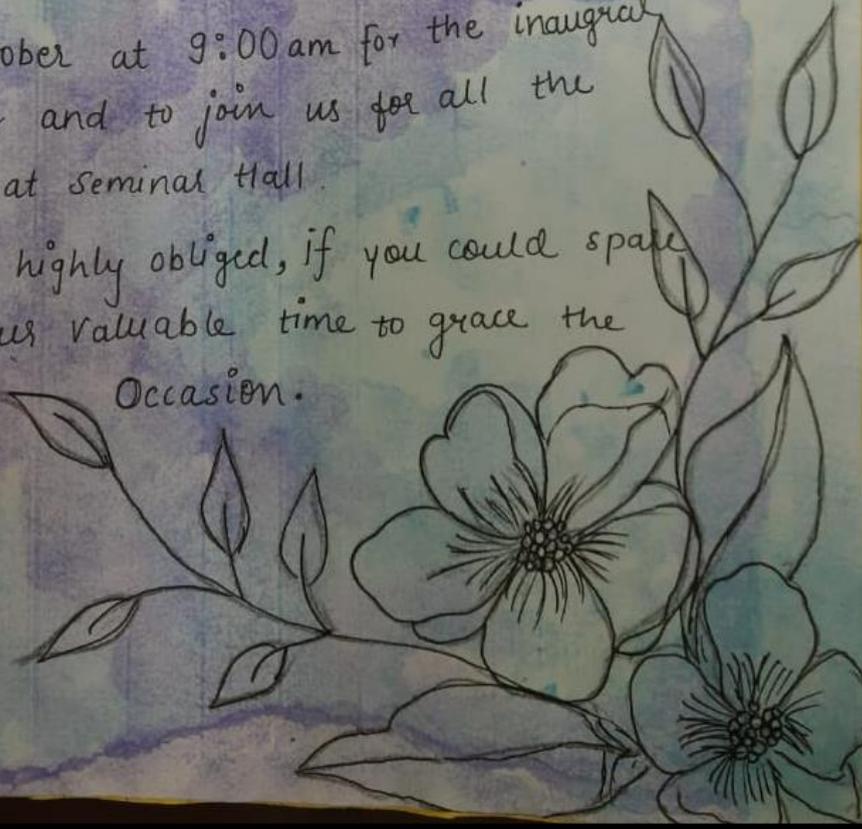
We are pleased to invite you to

'Resonance'

on

20th October at 9:00am for the inaugural ceremony and to join us for all the Activities at Seminal Hall.

We will be highly obliged, if you could spare some of your valuable time to grace the Occasion.



## **DETAILED REPORT**

“RESONANCE” was held on 20<sup>th</sup> October, 2023 from 9:30 AM-5:00 PM. There were three events: Badging ceremony of office bearers of ‘Physithon Society’, Group Discussion and Quiz. This was open to all undergraduate and postgraduate students from any recognized college/ University. The offline venue was Seminar room of Kalindi college.

The event began with lamp lightening by teachers and office bearers. Prof. Monika Bassi addressed the office bearers and audience and gave a gist of scheduled events. The badging ceremony of office bearers of ‘Physithon Society’ was conducted by all the teachers of physics department and the judges present.

The group discussion began where students represented their respective country excellently and showcased their excellent observations skills and conclusion to the G20 event. The students were confident and maintained their attention throughout the presentation. The teams also responded well to all the questions asked by the audience, the judges, and their competing countries, demonstrating a good understanding of their research content. Two different topics were provided in each session of group discussion to the participants: -

### **GROUP DISCUSSION**

- Session 1- 11:00 AM – 12:00 PM  
**Topic- Technological transformation and digital public infrastructure**
- Session 2- 12:00 PM – 1:00 PM  
**Topic- Women lead development**  
**Judges-**
  1. Prof. Seema Sahdev
  2. Prof. Kalpana
  3. Prof. Indu Choudhary

### **QUIZ on G20 SUMIT 2023**

- Round 1- 1:00 PM – 1:30 PM
- Round 2- 1:30 PM – 2:00 PM (Top 10 from Round 1)

Overall, the event was a resounding success, providing a platform for students to showcase their research and exchange knowledge on the G20 meet. These events demonstrated the potential of young minds to contribute to the world growth and development. It is hoped that such a seminar will continue to be organized to promote research and academic excellence among students.

### **Winner’s list:**

- GROUP DISCUSSION

S.no.	Position	Name	College Name
1.	1st	Nishtha Goel	Indraprastha college for women
2.	2nd	Vanshika Rana	Kalindi College
3.	3rd	Shruti Srivastava	Kalindi College

- QUIZ

S.no.	Position	Name	College Name
1.	1st	Rohini Sharma	Indraprastha college for women
2.	2nd	Aditi Anand	Kalindi College
3.	3rd	Divya	Kalindi College

### ATTENDANCE SHEET

- **GROUP DISCUSSION**

S. No	Name of the participant	Phone Number	Course	Institute/ College name	Email Address
1.	Vanshika Rana	8130728838	B.A. (Hons.) Political science	Kalindi college	ranavanshika207@gmail.com
2.	Shruti Srivastava	7007634876	B.Sc. (Hons) Botany	Kalindi College	shruti28sri@gmail.com
3.	Poornima Patel	7803829939	B.A. (Hons.) History	Kalindi College	sp255264@gmail.com
4.	Nishtha Goel	8077029764	B.A. (Hons.) History	Indraprastha college for women	goelnishtha4@gmail.com
5.	Shivangi Pradhan	8765740226	B.A (Program)	Kalindi College	shivangiprdhn@gmail.com
6.	Astha Patel	9142698600	B.A. (Hons.) Political Science	Kalindi College	patelastha624@gmail.com

- **QUIZ**

S.no	Name of the participant	Phone Number	Course	Institute/ College name	Email
1.	Mayank Jain	8690727101	B.Sc. (Hons.) Physics	Deshbandhu college	mayankravka8910@gmail.com
2.	Bushra Rahman Ansari	8670633991	B.A. (Hons.) Geography	Kalindi college	ansaribushrarahman@gmail.com
3.	Aditi Sharma	7011963692	B.Sc. (Hons.) Physics	Kalindi college	aditi3104sharma@gmail.com
4.	Astha Patel	9142698600	B.A. (Hons.) Political science	Kalindi College	patelastha624@gmail.com
5.	PRACHI YADAV	7668375433	B.Sc. (Hons.) Mathematics	Kalindi College	prachiyadav372006@gmail.com
6.	Diya	8800343272	B.Sc. (Hons.) Computer science	Kalindi college	diyadodarma2003@gmail.com
7.	Shruti Tiwari	9119922722	B.Sc. (Hons.) Botany	Kalindi college	sashan2502@gmail.com
8.	Ishita Bhadana	9899886867	B.Sc. (Hons.) Chemistry	Maitreyi college	ask2ishitaishu@gmail.com
9.	Nilay Pradhan	8249114328	B. Com (Hons.)	SRCC	nilayreplay@gmail.com
10.	Aditya Pandey	+918287216227	B.Sc. (Hons.) EI6	Zakir Hussain	aditya_pandey@outlook.in
11.	D Kavita	8384006050	B. Voc web designing	Kalindi college	desulukavita@gmail.com
12.	Poornima	7803829939	B.A.(Hons) History	Kalindi College	sp255264@gmail.com

13.	Muskan Sharma	8882286371	B.A.(Hons) Economics	Kalindi College	muskansharma2692@gmail.com
14.	Mousumi Das	7636090503	B.Sc. (Hons.) Physics	Kalindi college	matandas017@gmail.com
15.	Aastha Mehta	9873162515	B.Sc. (Hons.) Botany	Kalindi college	Maastha2001@gmail.com
16.	Rohini Sharma	8595305057	B.A (Program)	Indraprastha College For Women	rohinihunny@gmail.com
17.	Vishakha	9060640637	B.A (Program)	Kalindi college	imvishakha.sharma2003@gmail.com
18.	Shivangi Pradhan	8765740226	B.A (Program)	Kalindi College	shivangiprdhn@gmail.com
19.	Shweta singh	9835962128	B.A.(Hons) History	Kalindi college	shwetasingh7909@gmail.com
20.	Varsha	8920879774	B.A (Program)	RLA	varsha176ba@rla.du.ac.in
21.	PRIYANSHU MISHRA	7091655454	B.A.(Hons) Sociology	Hindu College	mishra.priyanshu939@gmail.com
22.	Shahla Nigar	8210141511	B.A (Program)	Kalindi college	shahlanigar449@gmail.com
23.	Sneha	9528624894	B.A.(Hons) Economics	Kalindi college	nchaudhary1808@gmail.com
24.	Nishtha Goel	8077029764	B.A.(Hons) History	Indraprastha college for women	goelnishtha4@gmail.com
25.	sanjana Dalal	9958370244	B.Sc. (Hons.) Zoology	kalindi college	thesanjana121@gmail.com
26.	Saumya Awasthi	8130270270	B. Com (Prog.)	Kalindi college	Saumyaawasthi2004@gmail.com

## GEOTAGGED PHOTOGRAPHS WITH CAPTIONS

**VENUE: SEMINAR ROOM**

**Lamp lighting by the teachers and office bearer of the society.**



**Inauguration of Physithon's First event of 2023-24**



## Badging ceremony of all Office Bearers



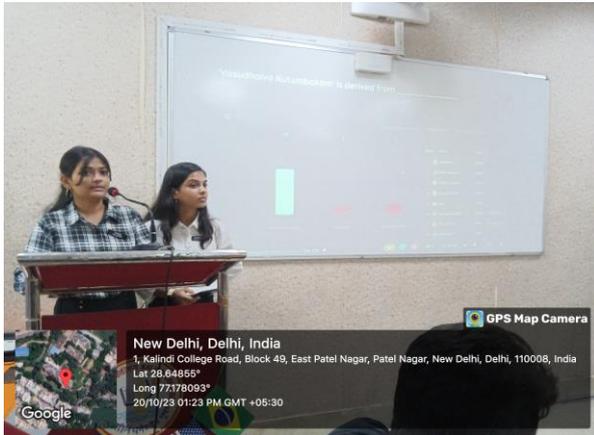
## During group discussion



## Certificates to the winners of Group Discussion



## During Quiz



## Certificates to the winners of QUIZ



## CERTIFICATES



**PHYSITHON SOCIETY  
DEPARTMENT OF PHYSICS**

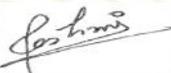
**KALINDI COLLEGE  
(UNIVERSITY OF DELHI)**

(ACCREDITED WITH GRADE 'A+' BY NAAC)



### CERTIFICATE OF ACHIEVEMENT

This is to certify that **Ms. Nishtha Goel** of **Indraprashta College** has secured **First Prize in Group Discussion** in an Inter College event named **"Resonance'23"** on the theme **"G-20 summit "** organized by **"Physithon - The Physics Society"**, Department of Physics, Kalindi College on 20th October 2023.

 <b>Ms. Varsha</b> Co-Convenor Physithon - The Physics Society	 <b>Dr. Rashmi Menon</b> Co-Convenor Physithon- The Physics Society		 <b>Prof. Monika Bassi</b> Convenor Physithon- The Physics Society	 <b>Prof. Meena Charanda</b> Principal Kalindi College
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**PHYSITHON SOCIETY  
DEPARTMENT OF PHYSICS**

**KALINDI COLLEGE  
(UNIVERSITY OF DELHI)**

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### CERTIFICATE OF ACHIEVEMENT

This is to certify that **Ms. Shruti Srivastava** of **Kalindi College** has secured **Second Prize in Group Discussion** in an Inter College event named **"Resonance'23"** on the theme **"G-20 summit "** organized by **"Physithon - The Physics Society"**, Department of Physics, Kalindi College on 20th October 2023.

 <b>Ms. Varsha</b> Co-Convenor Physithon - The Physics Society	 <b>Dr. Rashmi Menon</b> Co-Convenor Physithon- The Physics Society		 <b>Prof. Monika Bassi</b> Convenor Physithon- The Physics Society	 <b>Prof. Meena Charanda</b> Principal Kalindi College
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PHYSITHON SOCIETY  
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KALINDI COLLEGE  
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## CERTIFICATE OF ACHIEVEMENT

This is to certify that **Ms. Vanshika Rana** of **Kalindi College** has secured **Third Prize in Group Discussion** in an Inter College event named **"Resonance'23"** on the theme **"G-20 summit"** organized by **"Physithon - The Physics Society"**, Department of Physics, Kalindi College on 20th October 2023.

**Ms. Varsha**  
Co-Convenor  
Physithon -  
The Physics Society

**Dr. Rashmi Menon**  
Co-Convenor  
Physithon-  
The Physics Society



**Prof. Monika Bassi**  
Convenor  
Physithon-  
The Physics Society

**Prof. Meena Charanda**  
Principal  
Kalindi College



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## CERTIFICATE OF ACHIEVEMENT

This is to certify that **Ms. Rohini Sharma** of **Indraprastha College** has secured **First Prize in Quiz** in the **Inter College** event named **"Resonance'23"** on the theme **"G-20 summit"** organized by **"Physithon - The Physics Society"**, Department of Physics, Kalindi College on 20th October 2023.

**Ms. Varsha**  
Co-Convenor  
Physithon -  
The Physics Society

**Dr. Rashmi Menon**  
Co-Convenor  
Physithon-  
The Physics Society



**Prof. Monika Bassi**  
Convenor  
Physithon-  
The Physics Society

**Prof. Meena Charanda**  
Principal  
Kalindi College



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## CERTIFICATE OF ACHIEVEMENT

This is to certify that **Ms. Aditi Sharma** of **Kalindi College** has secured **Second Prize in Quiz** in the **Inter College** event named **"Resonance'23"** on the theme **"G-20 summit"** organized by **"Physithon - The Physics Society"**, Department of Physics, Kalindi College on 20th October 2023.

**Ms. Varsha**  
Co-Convenor  
Physithon -  
The Physics Society

**Dr. Rashmi Menon**  
Co-Convenor  
Physithon-  
The Physics Society



**Prof. Monika Bassi**  
Convenor  
Physithon-  
The Physics Society

**Prof. Meena Charanda**  
Principal  
Kalindi College



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DEPARTMENT OF PHYSICS  
KALINDI COLLEGE  
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## CERTIFICATE OF ACHIEVEMENT

This is to certify that **Ms. Aditi Sharma** of **Kalindi College** has secured **Second Prize in Quiz** in the **Inter College** event named **"Resonance'23"** on the theme **"G-20 summit"** organized by **"Physithon - The Physics Society"**, Department of Physics, Kalindi College on 20th October 2023.

**Ms. Varsha**  
Co-Convenor  
Physithon -  
The Physics Society

**Dr. Rashmi Menon**  
Co-Convenor  
Physithon-  
The Physics Society



**Prof. Monika Bassi**  
Convenor  
Physithon-  
The Physics Society

**Prof. Meena Charanda**  
Principal  
Kalindi College



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DEPARTMENT OF PHYSICS  
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**SPECIAL RECOGNITION**  
TO  
**Dr. Kalpana Kumari**

in appreciation for her significant role for Judging The Group Discussion in an Inter College event named "Resonance'23 " on the theme "G-20 summit" organized by "Physithon- The Physics Society", Department of Physics, Kalindi College on 20th October 2023.



  
Prof. Meena Charanda  
Principal  
Kalindi College



**PHYSITHON SOCIETY**  
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**SPECIAL RECOGNITION**  
TO  
**Prof. Seema Sehdev**

in appreciation for her significant role for Judging The Group Discussion in an Inter College event named "Resonance'23 " on the theme "G-20 summit" organized by "Physithon- The Physics Society", Department of Physics, Kalindi College on 20th October 2023.



  
Prof. Meena Charanda  
Principal  
Kalindi College



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**SPECIAL RECOGNITION**  
TO  
**Prof. Indu Chaudhary**

in appreciation for her significant role for Judging The Group Discussion in an Inter College event named "Resonance'23" on the theme "G-20 summit" organized by "Physithon- The Physics Society", Department of Physics, Kalindi College on 20th October 2023.



  
Prof. Meena Charanda  
Principal  
Kalindi College



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**CERTIFICATE OF PARTICIPATION**

This is to certify that **Mr. Mayank Jain** of **Deshbandhu College** has participated in the **Quiz** competition in an Inter College event named "**Resonance'23**" on the theme "**G-20 summit**" organized by "Physithon -The Physics Society", Department of Physics, Kalindi College on 20th October 2023.



Ms. Varsha  
Co-Convenor  
Physithon-  
The Physics Society



Prof. Rashmi Menon  
Co-Convenor  
Physithon-  
The Physics Society





Prof. Monika Bassi  
Convenor  
Physithon-  
The Physics Society



Prof. Meena Charanda  
Principal  
Kalindi College

## **REPORT ON "BEST IDEA COMPETITION" UNDER VIKSIT BHARAT @2047"**

- Department/Committee/Cell/Cultural Clubs, Others: PHYSITHON SOCIETY
- Name of the activity: "Best Idea Competition" under Viksit Bharat @2047"
- Convener: Dr. Monika Bassi
- Co-Conveners: Dr. Rashmi Menon and Ms. Varsha
- President: Umang
- Vice President: Mannat Ranna
- Date and time of activity: 27<sup>th</sup> January 2024- 29<sup>th</sup> January 2024
- Time: 27<sup>th</sup> January 2024, 9:00AM to 29<sup>th</sup> January 2024, 5:00 PM
- Mode: Online through Google Forms

Number of students present: 43 students

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### **CIRCULATED MESSAGE:**

 Attention all Physics Enthusiasts 

I hope this message finds you all in high spirits and with a thirst for scientific exploration!

We Physithon, The Society of Physics are back again with a new exciting event.

We are thrilled to announce the launch of the Vikshit Bharat @2047 competition where we invite you to showcase your innovative ideas for shaping the future of India! 

Whether you have a groundbreaking concept or a unique perspective, this is your chance to make a difference! Not only you have the opportunity to present your ideas, but you'll also have the chance to win exciting cash prizes and gain recognition among your peers.  

To participate, simply submit your "Best Ideas" for Viksit Bharat @2047 to the Google form attached below by 29/01/24.

Make sure to include a brief description of your concept and how it contributes to the vision of a developed India by 2047 (about 100 to 600 words).

Google form link: -

<https://forms.gle/z3cRCB7ihytxm4bN9>

NOTE: The form will accept entries till 11:00AM on 29 January, 2024

We believe that together, we can create a brighter future for our beloved nation .

We can't wait to see the incredible ideas you come up with!!!

If you have any queries feel free to reach us.

Umang (President) - 9166311449

Mannat (Vice President) - 80910 97569

Good luck with your message and the upcoming event!  

Best Regards,

Physithon

Society of Physics

## **DETAILED REPORT**

"BEST IDEA COMPETITION" UNDER VIKSIT BHARAT @2047" was held from 27<sup>th</sup> January 2024, 9:00AM to 29<sup>th</sup> January 2024, 5:00 PM. This competition's motive was to get ideas through students on how India can grow into more prosperous nation by 2047. To participate, submission of "Best Ideas" for Viksit Bharat @2047 to the Google form by 29/01/24 was needed. This was open to all undergraduate students from our college. The offline venue was Seminar room of Kalindi college.

## **WINNER'S LIST:**

S.no.	Position	Name	COURSE/YEAR
1.	1st	Varsha Sharma	BSc Physics (H)-III
2.	2nd	Priya Negi	BSc Physics (H)-II
3.	3rd	Anjali Kanta	BSc Physics (H)-III
4.	Appreciation Certificate	Suruchi Singh	BSc Physics (H)-II
5.	Appreciation Certificate	Deepali	BSc Physics (H)-I

## **PARTICIPATION SHEET:**

S.no	Email Id	Name	Course	Year	Phone Number
1.	nehasisodiyans083@gmail.com	Km Neha Devi	BSc Physical Science	3rd	9305387837
2.	4naziyakhan@gmail.com	Naziya khan	BSc Physical Science	3rd	7007788502
3.	madhu8368626241@gmail.com	Madhu	BSc Physics (H)	1st	8368626242
4.	vashisthpooja2002@gmail.com	Pooja	BSc Physics (H)	3rd	9518288523
5.	vashisthpooja2002@gmail.com	Pooja	BSc Physics (H)	3rd	9518288523
6.	preetiavadav6410@gmail.com	Preeti	BSc Physical Science	3rd	9817328226
7.	sharmashrishti083@gmail.com	Shrishti Sharma	BSc Physical Science	3rd	7451909847
8.	varshamsharma23@gmail.com	Varsha Sharma	BSc Physics (H)	3rd	78785 70277
9.	deepaligoyal941@gmail.com	Deepali	BSc Physics (H)	1st	9896135944
10.	ritagujjar1@gmail.com	Ishu Bhadana	BSc Physics (H)	2nd	9899164315
11.	082kritika.agarwal@gmail.com	Kritika Agarwal	BSc Physics (H)	1st	9084122246
12.	singhshristi0602@gmail.com	SHRISTI SINGH	BSc Physics (H)	3rd	9958264712
13.	sneha2866bhagat@gmail.com	Sneha Kumari	BSc Physics (H)	1st	6207015945
14.	ruchipant008@gmail.com	Ruchi Pant	BSc Physics (H)	2nd	8894622953
15.	mannatrana4142v@gmail.com	Mannat Rana	BSc Physics (H)	3rd	8091097569

16.	himanshipal3012@gmail.com	Himanshi Pal	BSc Physics (H)	3rd	7015290837
17.	raanachavi@gmail.com	Divyanka Rana	BSc Physics (H)	1st	6395824967
18.	aliafreen.3312@gmail.com	Afreen chaudhary	BSc Physics (H)	1st	9650583074
19.	komal2020saini@gmail.com	Komal	BSc Physical Science	3rd	9811283472
20.	khushi.pandey95606@gmail.com	Simran Pandey	BSc Physics (H)	3rd	9968597896
21.	impriyanegi@gmail.com	Priya Negi	BSc Physical Science	2nd	9310039382
22.	shwetast37932@gmail.com	Shweta Sharma	BSc Physics (H)	1st	8851455960
23.	Soumyasahay65@gmail.com	Soumya Sahay	BSc Physical Science	1st	98712 66304
24.	khushbooran03@gmail.com	Khushboo Rani	BSc Physics (H)	3rd	8757224879
25.	vija93902@gmail.com	Jaismee	BSc Physics (H)	3rd	7011673062
26.	ishikap3114@gmail.com	Ishika kumari	BSc Physics (H)	3rd	7877265743
27.	suruchisinghh09@gmail.com	Suruchi Singh	BSc Physics (H)	2nd	9580034098
28.	ajcrazykanta@gmail.com	Anjali Kanta	BSc Physics (H)	3rd	6263574727
29.	ishavverma10@gmail.com	Isha Verma	BSc Physics (H)	3rd	9711394348
30.	chhavijhaw@gmail.com	Chhavi Jhawar	BSc Physics (H)	2nd	9667167355
31.	priyasharma28112@gmail.com	Priya Sharma	BSc Physics (H)	3rd	8791551860
32.	p1004riya.85@gmail.com	Riya Pal	BSc Physics (H)	3rd	9911055133
33.	varshamsharma23@gmail.com	Varsha Sharma	BSc Physics (H)	3rd	78785 70277
34.	mdas49003@gmail.com	Mousumi Das	BSc Physics (H)	3rd	7636090503
35.	ritagujjar1@gmail.com	Ishu Bhadana	BSc Physics (H)	2nd	9899164315
36.	aashruti2208@gmail.com	Shruti Kumari	BSc Physical Science	2nd	8700329340
37.	sneha2866bhagat@gmail.com	Sneha kumari	BSc Physics (H)	1st	6207015945
38.	shrivastavanushka66@gmail.com	Anushka	BSc Physics (H)	1st	7703961140
39.	Tiwariprivani@gmail.com	Privani Tiwari	BSc Physics (H)	1st	9919976881
40.	aditi3104sharma@gmail.com	Aditi Sharma	BSc Physics (H)	1st	7011963692
41.	pandeyankita06.2003@gmail.com	Ankita pandey	BSc Physics (H)	1st	8860402744
42.	dwivedibhumi8@gmail.com	Bhumi dwivedi	BSc Physics (H)	1st	8081568654
43.	nayanchal5@gmail.com	Nayanchal	BSc Physical Science	1st	9996090925

## **Result of “Competition for Best Ideas” activity by Physithon Society for Action Plan for Viksit Bharat@2047**

### **1. First Prize: - Varsha Sharma, BSc Physics (H)-III**

Title: E-Education for All

Concept:

Introduce a nationwide E-Education platform, ensuring quality education reaches every corner of the country. This platform would offer interactive digital content, live classes, and personalized learning experiences. Leveraging AI for adaptive learning, it would cater to diverse learning styles and levels. Additionally, it could provide skill development courses to prepare the workforce for the future.

Contribution to Viksit Bharat @2047:

E-Education for All addresses the need for accessible and quality education. It breaks down geographical barriers, making education available to every citizen, bridging the urban-rural education gap. The platform promotes lifelong learning, equipping individuals with the skills needed for a rapidly evolving world, aligning with the vision of a knowledge-driven and developed India in 2047.

### **2. Second Prize: - Priya Negi, BSc Physics (H)-II**

Prime Minister Narendra Modi has launched Viksit Bharat @2047 to achieve the aim of self-reliant and develop nation by 2047. Main focus areas of the Viksit Bharat are: - Economic Development, Social Progress, Environmental Sustainability, Good Governance. Economic growth is key priority of Viksit Bharat. Implementing a well-developed Artificial Intelligence (AI) strategy in India has the potential to revolutionize nearly every sector of the economy, from healthcare and finance to agriculture and transportation. AI will enhance the productivity and economic growth and job creation in new sectors like AI development and data science. India's already thriving startup scene could receive a major boost with AI. It can help in analysing data to understand customer preferences, can predict the market trends, can analyse the market data and many more.

Yes, there are also many challenges to bringing up AI strategy but surely there we will find the solutions of challenges. AI is a powerful tool, but it is only one piece of the puzzle. It can improve economic growth, innovations, start-ups with a solid business plan. By focusing on its strengths, adopting strategic approaches, and overcoming challenges, India can establish itself as a significant player in the global AI landscape. And By 2047 I believe; Bharat will surely transform into a self-reliant and developed entity.

### **3. Third Prize: - Anjali Kanta, BSc Physics (H)-III**

"One man, one skill." This program would facilitate the exchange of skills and knowledge among individuals from diverse backgrounds and regions within the country.

Process:

1. Skill Matching Platform: Develop an online platform where individuals can register their skills, expertise, and areas of interest.
2. Matching Algorithm: Implement an algorithm that matches individuals with complementary skills or interests, regardless of their geographic location.

3. Skill Exchange Events: Organize regular skill exchange events or workshops in different parts of the country, where matched individuals can meet in person to share knowledge, learn from each other, and collaborate on projects.
4. Virtual Skill Exchange: Offer virtual skill exchange opportunities through webinars, online courses, and mentorship programs for those unable to attend in-person events.
5. Government Support: Seek government support to provide funding, infrastructure, and promotional efforts to scale up the program nationwide.
6. Corporate Partnerships: Partner with corporations and industry associations to sponsor skill exchange initiatives and provide resources for skill development in areas crucial for economic growth.
7. Community Engagement: Engage local communities and grassroots organizations to identify specific skill needs and facilitate exchange programs tailored to their requirements.
8. Feedback Mechanism: Implement a feedback mechanism to continuously improve the program based on participant experiences and outcomes.

#### **4. Appreciation Certificate: - Suruchi Singh, BSc Physics (H)-II**

India is the most populous developing country in the world. Most of this population is young. Young people are crucial in the development of any country, for they are the minds and the souls of the nation. Out of these young people about 50% are women. Women are the most important pillar of the society. They manage homes, office, kids, family everything. But in return they barely get the recognition they deserve. I think for India to be a "Viksit Bharat", we need to focus on the needs of the women. Their security, their respect should be everyone's responsibility. And under ideal conditions, no man or woman should dare to disrespect a woman, be it financially, physically, emotionally etc. No one should make a woman feel inferior to man. Appropriate measures should be taken to empower woman and society should change for the better. Because you cannot dream of a "Viksit Bharat" and not think about the 50 % of the population.

#### **5. Appreciation Certificate: - Deepali, BSc Physics (H)-I**

Viksit Bharat @ 2047 was launched by the Prime Minister of India, Shri Narendra Modi, on 11th December 2023, through a video conference with the Vice Chancellors of Universities, Heads of Institutes, and faculty members in workshops organized at Raj Bhawans across the country. The vision encompasses certain aspects of development like economic, social, environmental and governance et all.

One of my ideas for Viksit Bharat include conversation of natural resources like coal, petroleum by replacing them with energy from the gases which is present in abundance. Natural resources usage does not only include their exploitation but also contribute to greenhouse gases. By using gases like Hydrogen which is present in abundance, it can be used to power vehicles, generate electricity, power industry, and heat our homes and businesses. We can do it by using hydrogen fuel cells which produces electricity. Hydrogen is currently used in industrial processes, as rocket fuel, and in fuel cells for electricity generation and powering vehicles. Operators of several natural gas-fired power plants are exploring the use of hydrogen to supplement or replace natural gas. Hydrogen has the potential for effectively storing energy for electric power generation. Hydrogen fuel cells produce electricity by combining hydrogen and oxygen atoms. The hydrogen reacts with oxygen across an electrochemical cell— similar to a battery—to produce electricity, water, and small amounts of heat. Hydrogen fuel cells are currently used to power the electrical systems on spacecraft and to supply electricity on earth.

Small fuel cells have been developed to power electronic devices, such as laptop computers and cell phones. Several vehicle manufacturers have developed fuel cells to power vehicles. Fuel cells can potentially provide electricity for emergency power in buildings and for remote locations that are not connected to electric power grids.

We should focus more on producing energy using hydrogen as it is safe for our planet and eliminate emissions to improve regional air quality while reducing greenhouse gas emissions; hydrogen reduces CO<sub>2</sub>, particulates, and NO<sub>x</sub> emissions as compared to internal combustion engines.

**REPORT ON VISIT TO DEPARTMENT OF PHYSICS AND ASTROPHYSICS,**  
**UNIVERSITY OF DELHI**

- Department/Committee/Cell/Cultural Clubs, Others: PHYSITHON SOCIETY
- Name of the activity: Visit to Department of Physics and Astrophysics, University of Delhi
- Funding Agency (Internal/External) and Amount: 0/-
- Name of the Convener: Prof. Monika Bassi
- Name of the Co-Conveners: Dr. Rashmi Menon and Ms. Varsha
- Name of Teacher Coordinators: - Prof. Punita Verma
- Date and time of activity: 07<sup>th</sup> November 2023, 11:00 AM to 5:00 PM
- Number of students present: 22 students
- Number of participants outside Kalindi College: No

## **Detailed report on visit to Department of Physics and Astrophysics, University of Delhi**

On 7<sup>th</sup> November 2023, we had the privilege of participating in an official tour to the Department of Physics and Astrophysics, University of Delhi. This educational excursion was organized by our college to enhance our understanding of Physics and to get us familiarized with different laboratories at University of Delhi. The Department of Physics and Astrophysics, University of Delhi, located in New Delhi, is a renowned institution dedicated to research in Physics and Astrophysics.

The primary purpose of this visit was to provide students with an opportunity to explore various laboratories, engage in interactive learning experiences, and gain insights into higher physics. It was also an occasion to connect the theoretical knowledge acquired in the classroom with practical and real-world applications.

### **Highlights of the Visit:**

#### **1. Nuclear and Particle Physics Lab:**

Name of Professor: Dr. Samit Kumar Mandal

Designation- Senior Professor, University of Delhi.

He explained about different types of radiation and their detectors. He also explained us about units of radiation and showed us detectors in working. We learned how electrical pulses are converted and how we getting readings to identify the radiation type. Detectors demonstrated: Scintillator Detector, GM counter, Semiconductor Detector

#### **2. Central Experimental Facilities:**

Name of Professor: Dr. Senthil Kumar

Designation- Associate Professor, University of Delhi.

He explained about X-ray diffraction, why we use powder method in one apparatus but not in others. We learned how we get multiple diffraction and how to record the data and do data interpretation to find crystal structure parameters. We were familiarized with other apparatus such as AFM, Spectroscopy and SEM. Apparatus demonstrated: X-ray diffraction, AFM, Spectroscopy and SEM.

**ATTENDANCE:**

S. No	Name of Student	Course
1	Isha Verma	B.Sc.(H) Physics III
2	Garima	B.Sc.(H) Physics III
3	Anjali Kanta	B.Sc.(H) Physics III
4	Varsha	B.Sc.(H) Physics III
5	Nidhi Sharma	B.Sc.(H) Physics III
6	Shristi	B.Sc.(H) Physics III
7	Khushboo	B.Sc.(H) Physics III
8	Jaismee	B.Sc.(H) Physics III
9	Neha Yadav	B.Sc.(H) Physics III
10	Ritika	B.Sc.(H) Physics III
11	Ishika Negi	B.Sc.(H) Physics III
12	Payal	B.Sc.(H) Physics III
13	Priya Sharma	B.Sc.(H) Physics III
14	Himanshi	B.Sc.(H) Physics III
15	Priya Sharma	B.Sc.(H) Physics III
16	Himanshi	B.Sc.(H) Physics III
17	Anjali Chauhan	B.Sc.(H) Physics III
18	Riya Pal	B.Sc.(H) Physics III
19	Aditi	B.Sc.(H) Physics III
20	Simran	B.Sc.(H) Physics III
21	Tanisha	B.Sc.(H) Physics III
22	Mousumi	B.Sc.(H) Physics III

**Geo tagged Photographs**



**ALL THE ATTENDING STUDENTS WITH PROF. PUNITA VERMA**

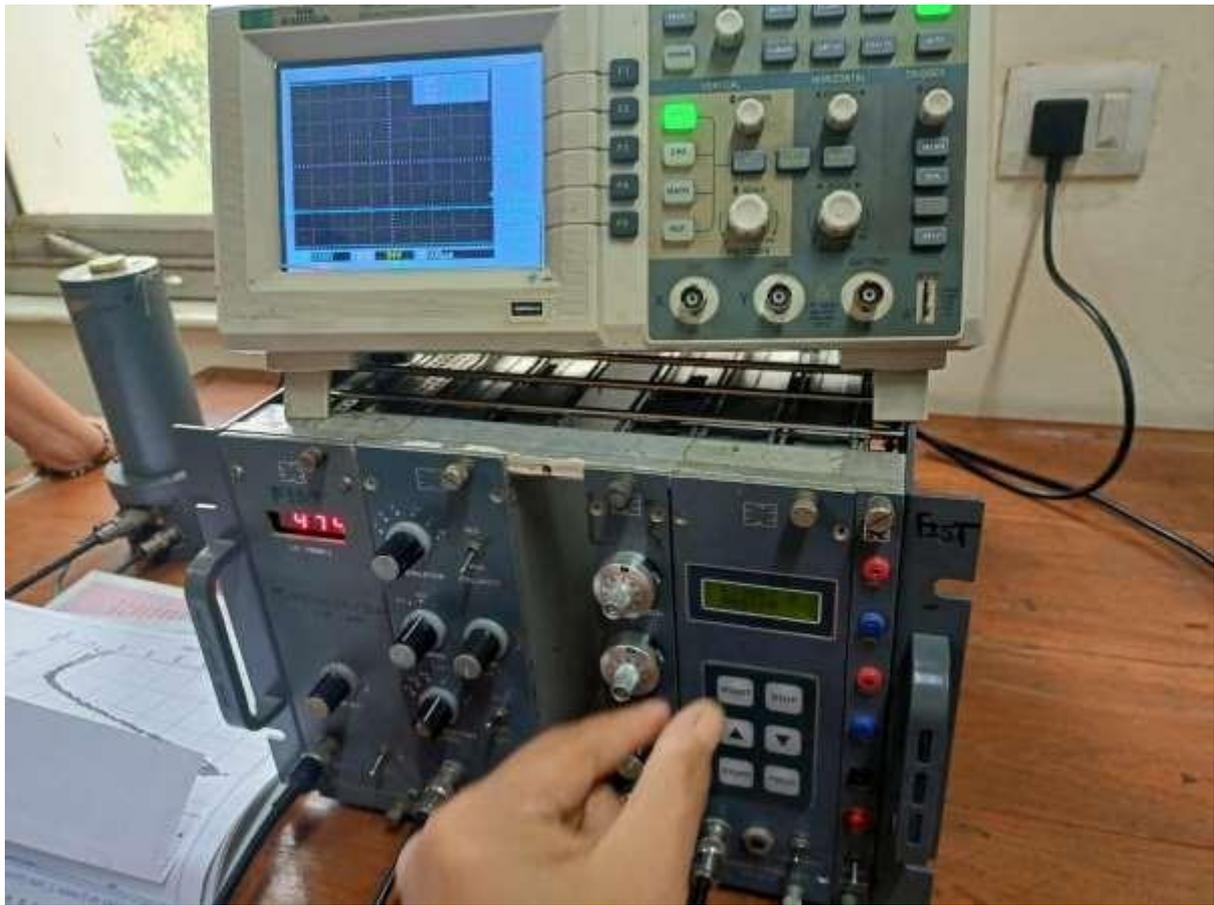


**STUDENTS IN NUCLEAR AND PARTICLE PHYSICS LAB**



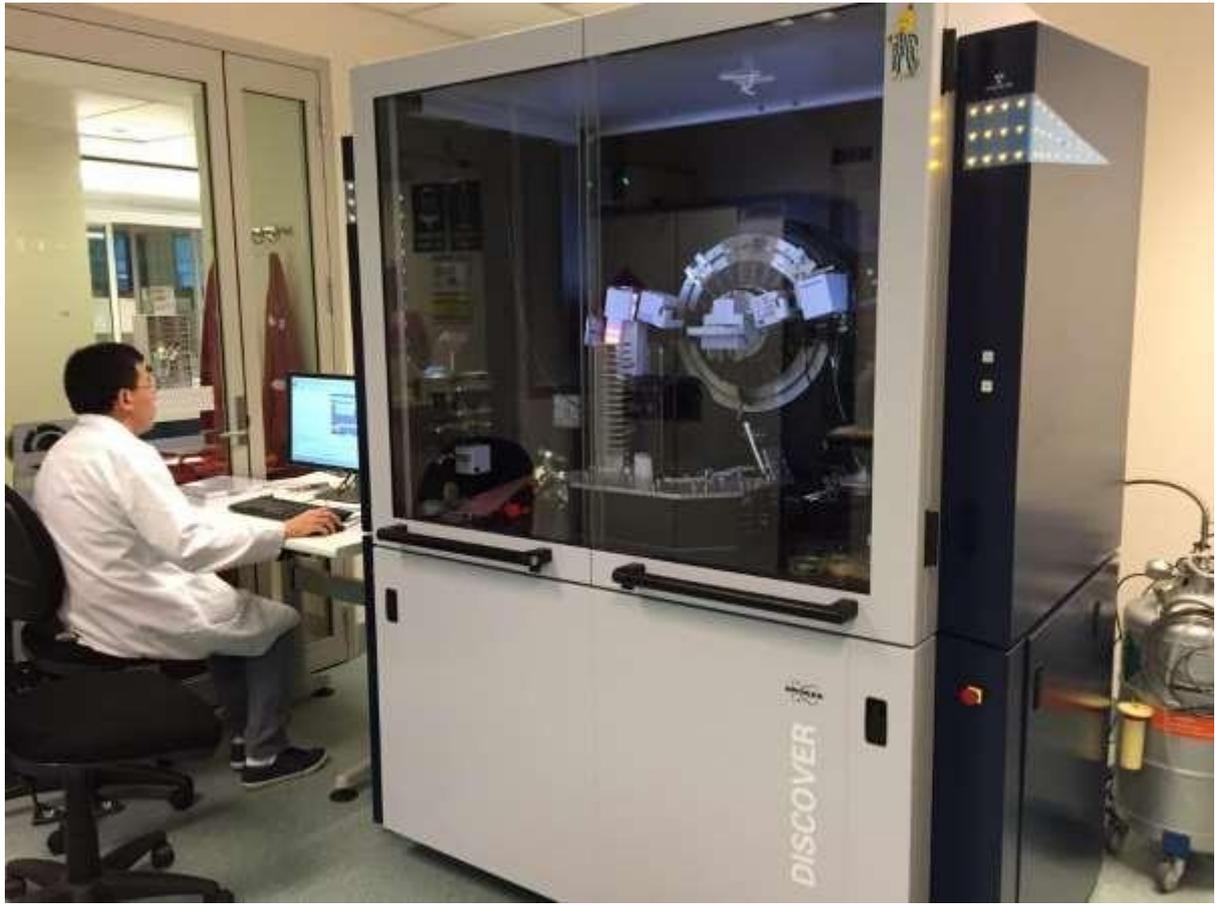
**DETECTORS AND THEIR COMPONENTS**





**IN CENTRAL EXPERIMENTAL FACILITIES**





## **REPORT ON "CAREER VARTALAP 3.0"**

- **Department/Committee/Cell/Cultural Clubs, Others:** KALINDI COLLEGE ALUMNI ASSOCIATION AND PHYSITHON SOCIETY
- **Name of the activity:** "CAREER VARTALAP 3.0"
- **Physithon Convener:** Prof. Monika Bassi
- **Physithon Co-Convener:** Dr. Rashmi Menon
- **Kalindi College Alumni Association Convener:** Dr. Savita Sharma
- **President:** Umang
- **Vice President:** Mannat Rana
- **Date of activity:** 4<sup>th</sup> February, 2024
- **Time:** 12:00 PM to 01:00 PM
- **Mode:** Online through Google Meet

**Number of students present:** 120 students

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**POSTER OF THE EVENT:**



# Kalindi College

University Of Delhi  
NAAC ACCREDITED GRADE 'A+'

Kalindi College Alumni Association

*in Collaboration with*

Physithon, The Physics Society

*presents*

## CAREER VARTALAP 3.0

"A CAREER COUNSELLING SESSION WITH ALUMNI"

**#ViksitBharat@2047**

**DATE : 4th February, 2024**  
**TIME : 12 : 00 P.M - 1 : 00 P.M**  
**VENUE : Google Meet**

**GOOGLE MEET LINK: <https://meet.google.com/sjs-tqmn-ben>**

**Keynote Speaker 1:**  
**Ms. Rekha**  
Batch (2017-2020)



**Medical Physicist in Cancer**  
**Hospital**  
**Chandigarh, Punjab**

**Keynote Speaker 2:**  
**Ms. Kavita Kumari**  
Batch (2012-2015)



**Pursuing PhD. in High**  
**Energy Astrophysics**  
**IUCAA, Pune**

**Keynote Speaker 3:**  
**Ms. Sumedha Gupta**  
Batch (2015-2018)



**TGT Science**  
**Ahlcon International School,**  
**Delhi**



**Dr. Rashmi Menon**  
Co-Convener  
Physithon Society



**Dr. Savita Sharma**  
Convener  
President, Alumni Association



**Prof. Monika Bassi**  
Convener  
Physithon Society



**Prof. Meena Charanda**  
Principal  
Kalindi College

**ATTENDEES LIST:**

Full Name	First Seen	Time in Call
03 - khushboo rani	2024-02-04 12:06:20	1:16:08
04_Nidhi Sharma	2024-02-04 12:13:29	0:39:18
04_Sweta	2024-02-04 12:36:32	0:04:02
06 Harshita Sangwan	2024-02-04 12:06:32	1:34:56
06_Ritika Chauhan	2024-02-04 12:09:07	1:28:12
07 Parul	2024-02-04 11:59:51	0:52:52
07_Priya Sharma	2024-02-04 11:55:48	1:50:04
08 sadegi Dubey	2024-02-04 11:55:48	1:32:16
08_Anjali Chauhan	2024-02-04 12:17:57	1:13:53
09_Umang	2024-02-04 11:55:48	1:50:14
12 Himanshi Pal	2024-02-04 11:59:11	1:46:53
13_Naziya khan	2024-02-04 12:15:16	0:59:17
15 Muskan Gupta	2024-02-04 11:55:48	1:50:17
15_Mannat Rana	2024-02-04 11:55:48	1:46:22
16_Priya Sharma	2024-02-04 11:55:48	1:19:53
17 Pooja Kumari	2024-02-04 11:59:34	1:46:03
17_Payal	2024-02-04 11:58:16	1:14:15
18 Priya Negi	2024-02-04 12:00:45	1:39:05
19_Riya Pal	2024-02-04 11:55:48	1:50:16
23 Suruchi Singh	2024-02-04 11:59:07	1:46:52
23_Ishika Negi	2024-02-04 11:58:08	1:47:57
23_Mohini Mall	2024-02-04 11:59:36	1:46:28
26_Pooja Vashisth	2024-02-04 11:55:48	0:08:07
26_Priya Yadav	2024-02-04 12:02:10	1:15:28
27 Sweta Sehrawat	2024-02-04 11:55:48	0:11:21
27_shrishti sharma	2024-02-04 11:55:48	1:42:24
29_Aesh Gupta	2024-02-04 12:18:54	1:01:30
31 Ishu Bhadana	2024-02-04 11:56:02	1:49:51
33_shalu	2024-02-04 12:03:19	0:10:16
35_Jaismee	2024-02-04 12:01:28	1:44:36
35_KOMAL SAINI	2024-02-04 11:55:48	1:16:10
36-Neha Sisodiya	2024-02-04 13:33:00	0:13:04
36_Anjali Kanta	2024-02-04 11:55:48	1:49:12
37 Janvi Nailwal	2024-02-04 11:56:18	0:29:17
37_Shristi singh	2024-02-04 11:58:03	1:47:03
38_Simran	2024-02-04 11:55:48	1:50:14
38_SAYALI PAL	2024-02-04 12:02:24	1:22:22
42 Vidushi Mamgain	2024-02-04 12:03:23	1:39:05
42_Sakshi	2024-02-04 11:57:36	1:13:57
48Shreya Yadav	2024-02-04 12:37:38	0:07:08
50_Geetanjali	2024-02-04 12:10:14	1:27:07
53 dipanshu singh	2024-02-04 11:57:54	1:48:10
56 Kritika Sharma	2024-02-04 12:06:43	0:19:43

7036 Shalini Joshi	2024-02-04 11:55:48	1:46:50
Aankhi	2024-02-04 11:59:29	1:46:28
Aashi Soni	2024-02-04 12:10:40	1:11:58
Aditi	2024-02-04 12:00:08	1:41:26
Aditi Sharma	2024-02-04 12:13:38	1:25:50
Afreen Chaudhary	2024-02-04 12:00:26	1:45:38
Alankrita yadav	2024-02-04 13:17:08	0:33:05
Alumni Association Kalindi College	2024-02-04 11:55:48	1:50:16
Anamika	2024-02-04 12:07:05	1:37:42
Ankur Anand	2024-02-04 12:08:06	0:18:22
Anshika Singh	2024-02-04 11:55:48	1:49:06
Anshu yadav	2024-02-04 12:17:05	1:21:19
Anu Solanki	2024-02-04 12:02:34	1:43:30
Anushikha Yadav	2024-02-04 11:55:48	0:10:25
Anushka Shrivastav	2024-02-04 12:12:58	1:33:06
Archana Maurya	2024-02-04 12:06:33	1:13:45
Asha Kaushik	2024-02-04 11:55:48	1:49:21
Ashmita Tiwari_16	2024-02-04 12:00:19	1:16:50
Bhavya Pradhan	2024-02-04 11:55:48	1:19:24
Bhumi Dwivedi	2024-02-04 12:18:46	0:06:13
Chanchal Kaushik	2024-02-04 11:55:48	0:55:58
Chhavi Jhavar	2024-02-04 11:55:48	1:50:11
DARSHITA GANGWAR	2024-02-04 12:40:47	1:05:14
Deepali Goyal	2024-02-04 11:55:48	1:50:16
Disha Gumber	2024-02-04 12:10:15	0:51:18
Dishana Talukdar	2024-02-04 11:55:48	1:50:57
Divyanka Rana	2024-02-04 12:00:40	1:45:24
Dr. Majhar Ali	2024-02-04 12:52:38	0:29:23
Dr. Rashmi Menon	2024-02-04 11:55:48	1:50:17
Garima	2024-02-04 11:55:48	1:23:19
HI Tamanna Verma	2024-02-04 11:56:54	1:29:21
Isha Verma	2024-02-04 12:24:43	1:19:59
Ishika Belwal	2024-02-04 11:55:48	1:46:13
KAVITA KUMARI	2024-02-04 11:55:48	1:50:17
Kalpana Balyan	2024-02-04 11:59:47	1:02:51
Kashish Rohilla	2024-02-04 12:00:44	1:45:06
Kirtika	2024-02-04 13:05:32	0:11:15
Kritika Agarwal	2024-02-04 12:11:52	1:34:13
MANASVI BANSAL	2024-02-04 11:55:48	1:50:16
Madhavi Sharma	2024-02-04 11:55:48	1:50:16
Madhu	2024-02-04 13:28:58	0:16:36
Madiha Ghyas	2024-02-04 11:57:16	1:46:17
Monika Bassi	2024-02-04 11:55:48	1:50:16
Ms. Vernika Mehta	2024-02-04 12:51:21	0:54:36

Nayanchal Shokeen	2024-02-04 11:55:48	1:50:04
Nitish Kumar	2024-02-04 12:28:33	1:08:27
Parul Chauhan	2024-02-04 11:55:48	1:50:17
Prachi Ji	2024-02-04 12:10:55	0:23:47
Preeti Choudhary	2024-02-04 11:55:48	1:48:02
Priya Majumdar	2024-02-04 12:01:16	0:08:41
Punita Verma	2024-02-04 12:04:05	1:43:02
Rekha Saini	2024-02-04 11:55:48	1:50:16
Ritu Singh	2024-02-04 12:02:54	0:00:17
Rity Yadav	2024-02-04 12:01:16	1:02:13
Ruchi Pant	2024-02-04 12:04:16	1:40:35
Rupali Kashyap	2024-02-04 12:01:47	0:00:11
SIMRAN PANDEY	2024-02-04 11:55:48	1:46:06
Sajid Ali	2024-02-04 11:55:48	0:03:49
Sakshi Yadav	2024-02-04 11:58:17	1:47:48
Sangam	2024-02-04 12:03:55	1:15:32
Sejal Sehrawat	2024-02-04 12:03:41	1:40:41
Shakshi Choudhary	2024-02-04 11:56:44	1:48:57
Shanvi Choudhary	2024-02-04 12:01:12	1:31:38
Sheetal	2024-02-04 12:03:06	0:39:43
Shreya Das	2024-02-04 11:55:48	0:17:31
Shweta	2024-02-04 12:17:23	1:28:41
Shweta sharma	2024-02-04 11:55:48	1:49:43
Siddhi Srivastava	2024-02-04 11:59:24	1:41:26
Sneha Kumari	2024-02-04 11:56:26	1:22:08
Sonali Kumari	2024-02-04 11:56:14	1:49:50
Sonu sheoran	2024-02-04 11:59:52	1:40:42
Suman Burdak	2024-02-04 11:58:19	1:27:32
Sushmita Yadav	2024-02-04 11:57:35	1:47:56
Tanu Shri	2024-02-04 11:57:30	1:47:39
Tripti Samal	2024-02-04 11:55:48	1:46:01
Varsha Sharma	2024-02-04 11:57:24	1:46:53
pragyasharma.	2024-02-04 11:55:48	1:50:06
sumedha gupta	2024-02-04 11:58:51	1:47:12
Full Name	First Seen	Time in Call
03 - khushboo rani	2024-02-04 12:06:20	1:16:08
04_Nidhi Sharma	2024-02-04 12:13:29	0:39:18
04_Sweta	2024-02-04 12:36:32	0:04:02

## DETAILED REPORT

**SPEAKER 1:** Ms. Rekha (Batch:2017-2020)



Ms. Rekha is currently working as Medical Physicist in Cancer Hospital. She completed her graduation from Kalindi College in BSc(H) Physics. And then Post Graduation in Medical Physics from Panjab University. After completing clinical residency in PGIMER, Chandigarh, She is currently working as Medical Physicist in Cancer Hospital.

Overall it was a very beneficial interaction as she highlighted the importance of the subject “Radiation Safety” and the path one can take to become a Medical Physicist.

**SPEAKER 2:** Ms. Sumedha Gupta (Batch:2015-2018)



She is an enthusiastic and dedicated science educator with a passion for fostering curiosity and igniting a love for learning in students. With an M.Sc in Physics and a B.Ed., she brings a wealth of knowledge and expertise to the classroom. Recognized as an Innovation Ambassador by the Ministry of Education, she mentors students for national and international competitions such as NASA Galactica and Odyssey of the Mind. Her commitment to holistic student development integrates innovative teaching methods, fostering both academic and character excellence. She inspired students to pursue Education as career and it was great interaction with her.

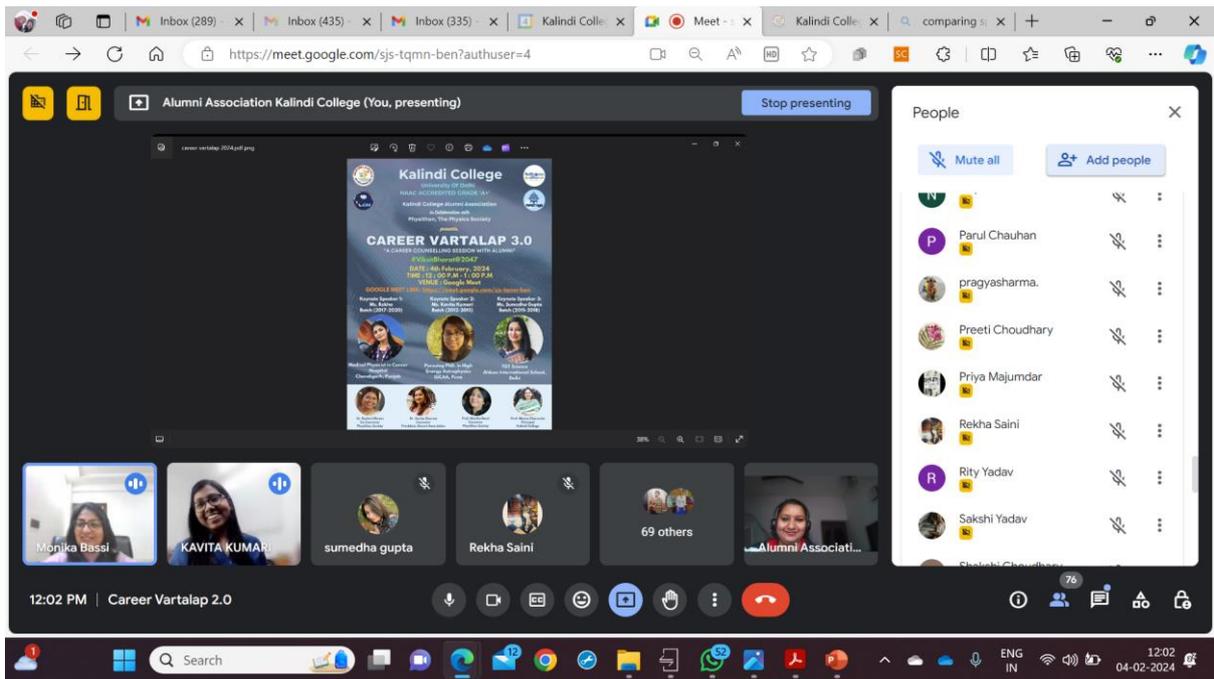
**SPEAKER 3:** Ms. Kavita Kumari (Batch: 2015-2018)



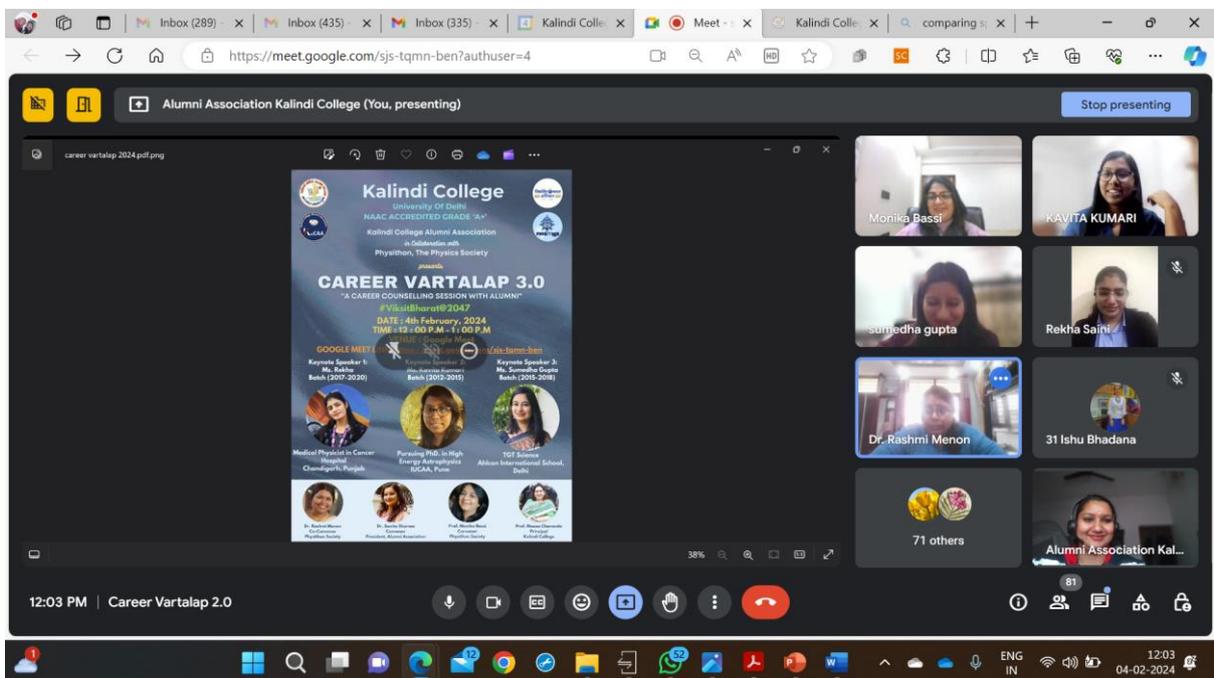
Ms. Kavita Kumari is a Ph.D Scholar at the Inter-University Accelerator Centre (IUCAA), Pune. She completed her graduation from Kalindi College in B.Sc. (H) Physics. And then MSc in Physics from Department of Physics and Astrophysics , University of Delhi. She was a Project Fellow at National Physics Laboratory, New Delhi.

Overall she inspired students to pursue pure Physics as a career. It was a great interaction with her.

## PHOTOGRAPHS OF THE EVENT:



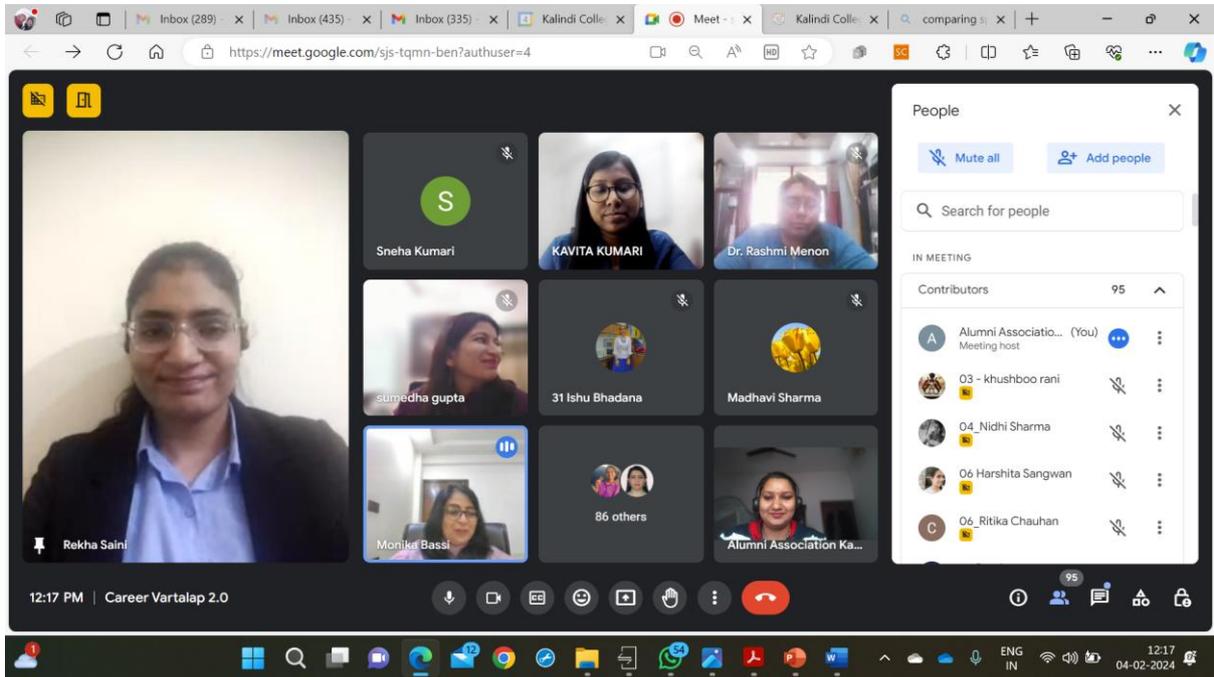
Start of the event





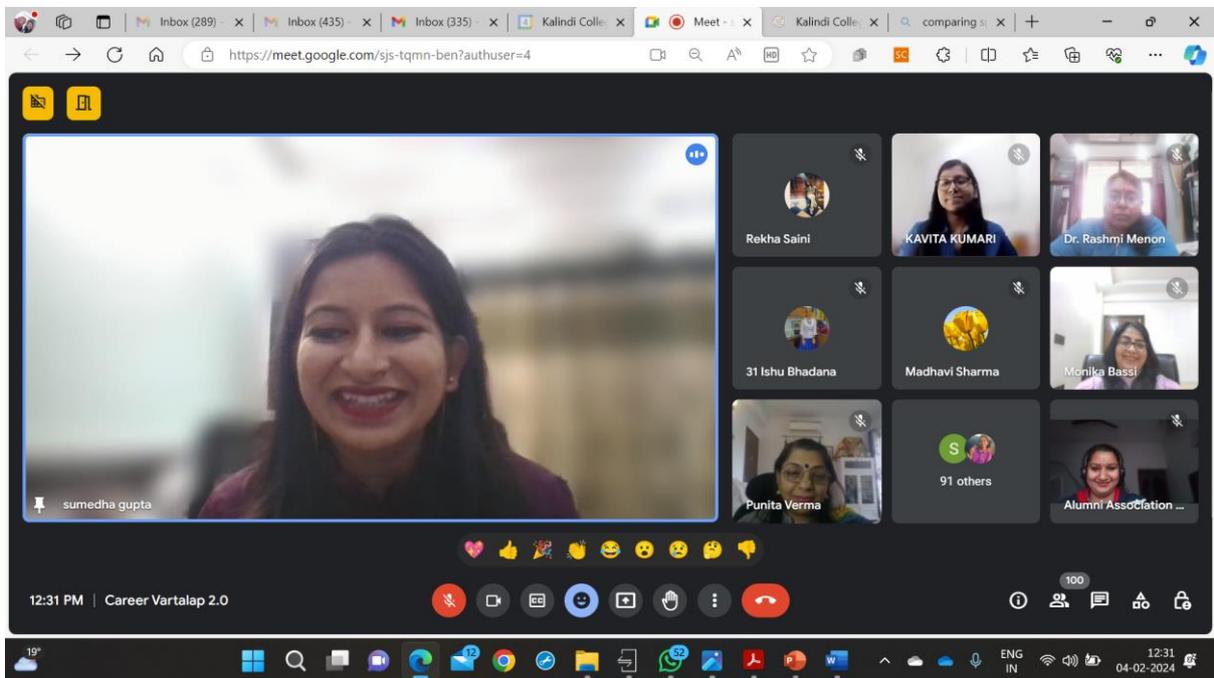
## Convener Speech



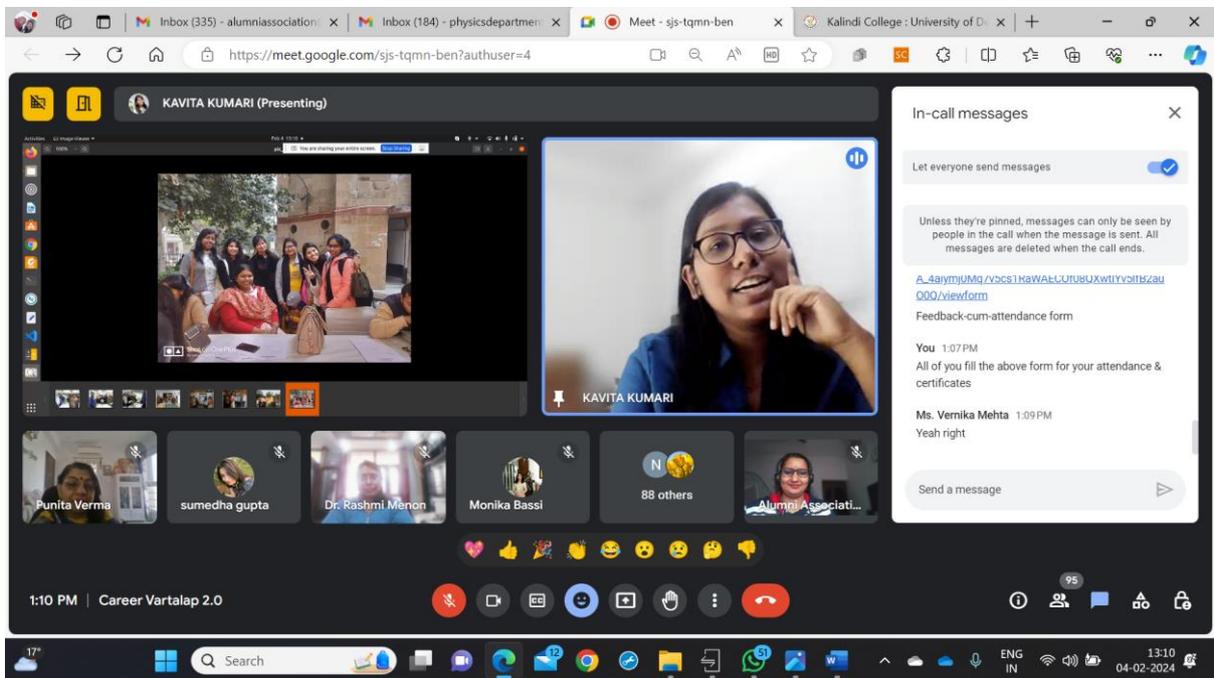
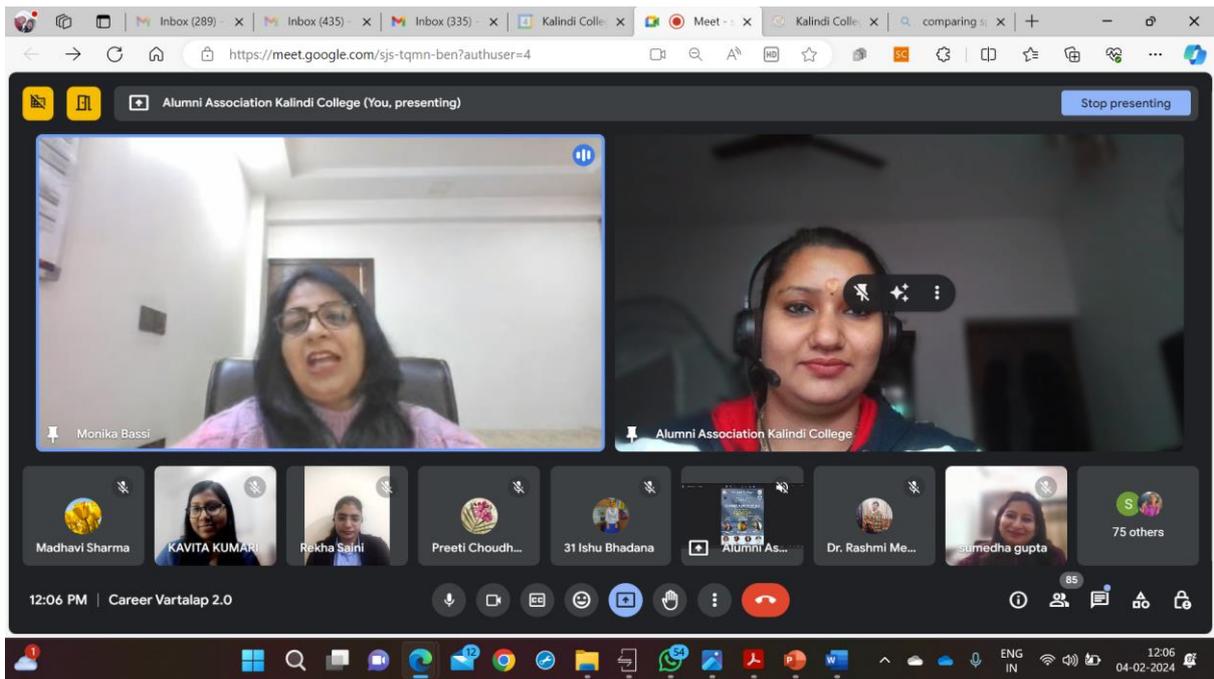


## Speaker 1

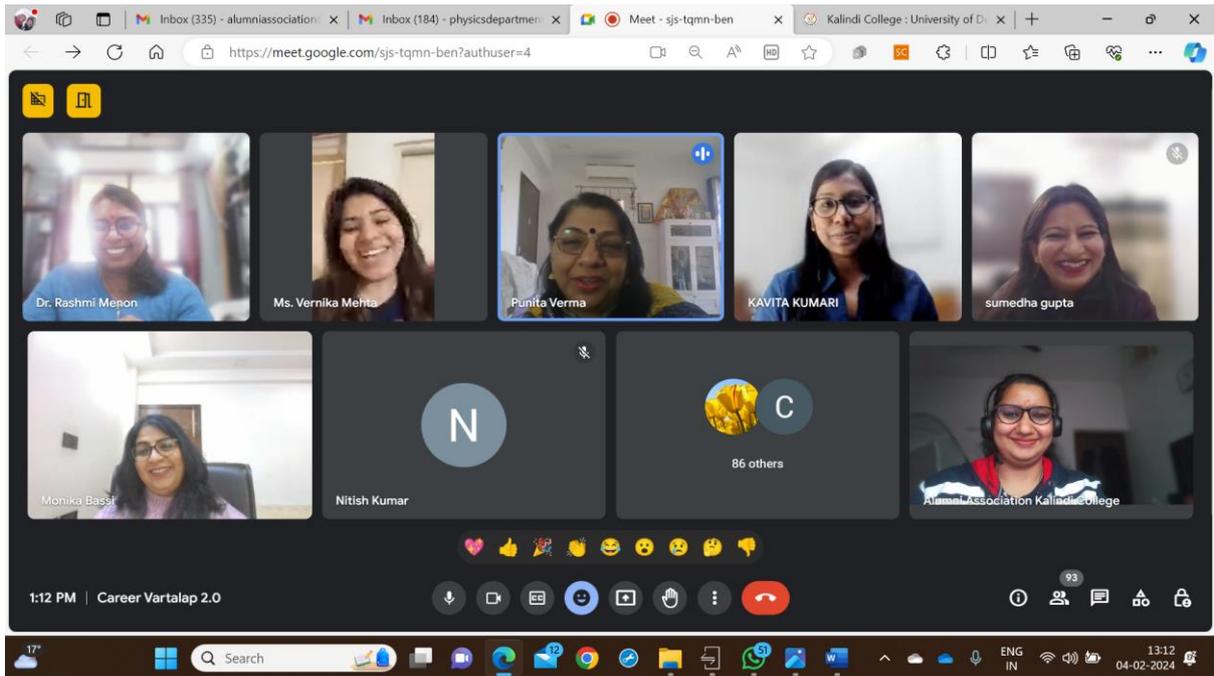




Speaker 2



Speaker 3



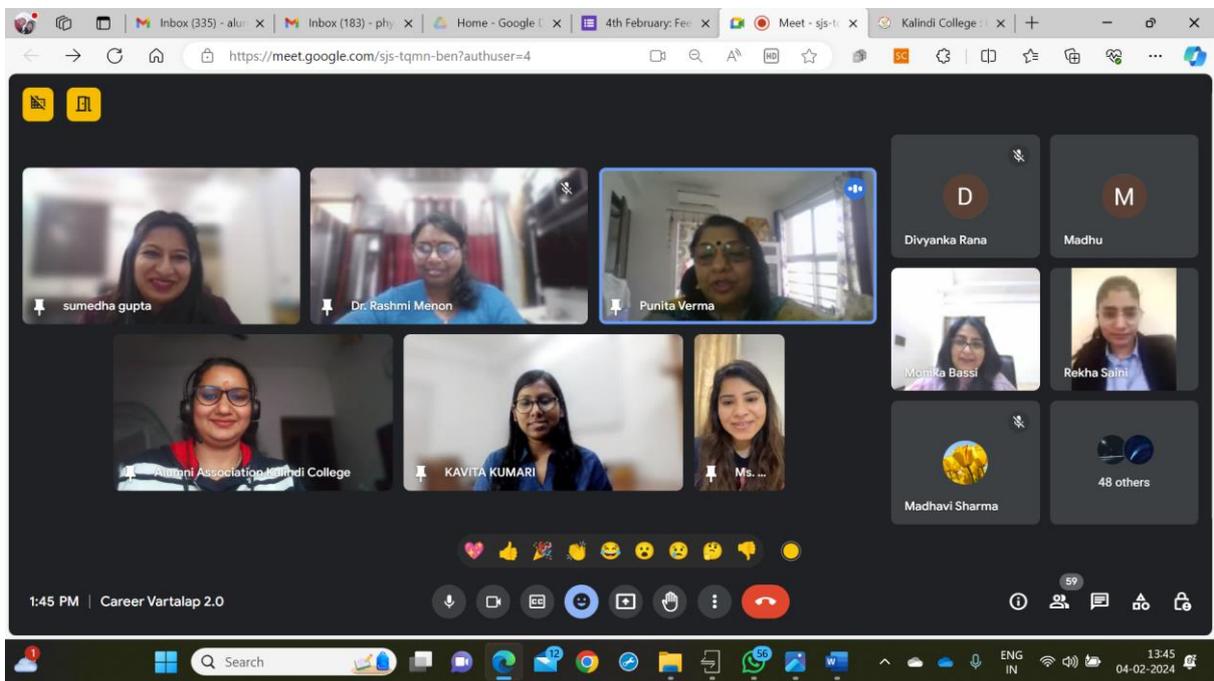
### Teacher's interaction with speakers



### All participants



### Vote of Thanks by Dr. Rashmi Menon



### Prof. Punita Verma's talk

## GEOTAGGED PICTURES:

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Google

GPS Map Camera

Ghaziabad, Uttar Pradesh, India  
167/1, Block L, Sector 23, Sanjay Nagar, Ghaziabad, Uttar Pradesh 201001, India  
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Long 77.458926°  
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Rekha Saini

KAVITA KUMARI

Punita Verma

Dr. Rashmi Menon

MANASVI BANSAL

Alumni Association Hindi Coll...

sumedha gupta

Anshika Singh

Shakshi Choudhary

89 others

18 Priya Negl

GPS Map Camera

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sumedha gupta (Presenting)

### WHY PURSUE M.Sc. PHYSICS?

You can enjoy alluring job roles in various sectors such as:

- ❖ Research and Development
- ❖ Space and Astronomy
- ❖ Robotics
- ❖ Nanotechnology
- ❖ Nano-Science
- ❖ Defence Services (DRDO)
- ❖ Radiation Protection Centers
- ❖ Physics Research Labs
- ❖ Oil and Gas sector

BUT WHY?

sumedha gupta

Monika Basal

Alumni Ass...

Punita Verma

KAVITA KUMARI

Rashmi Menon

Rekha Saini

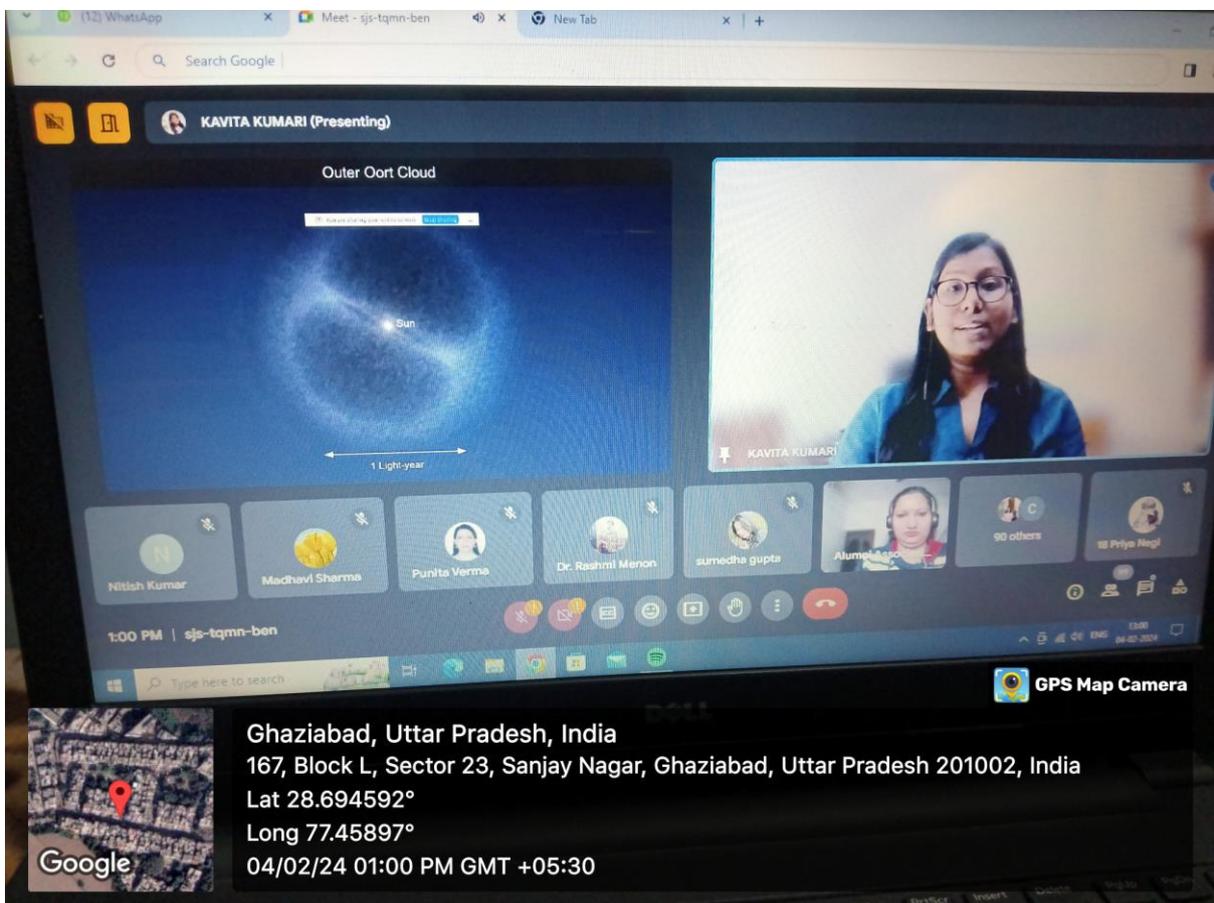
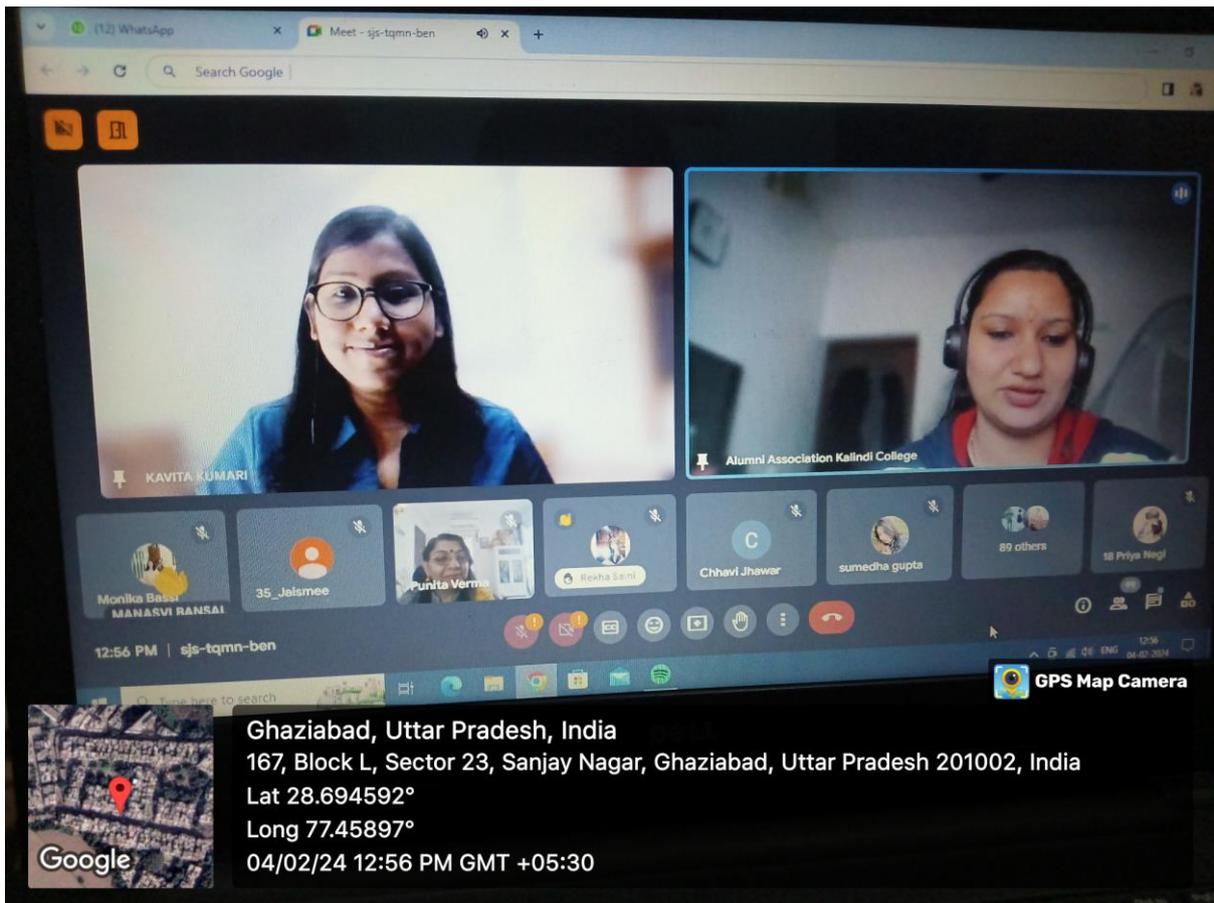
91 others

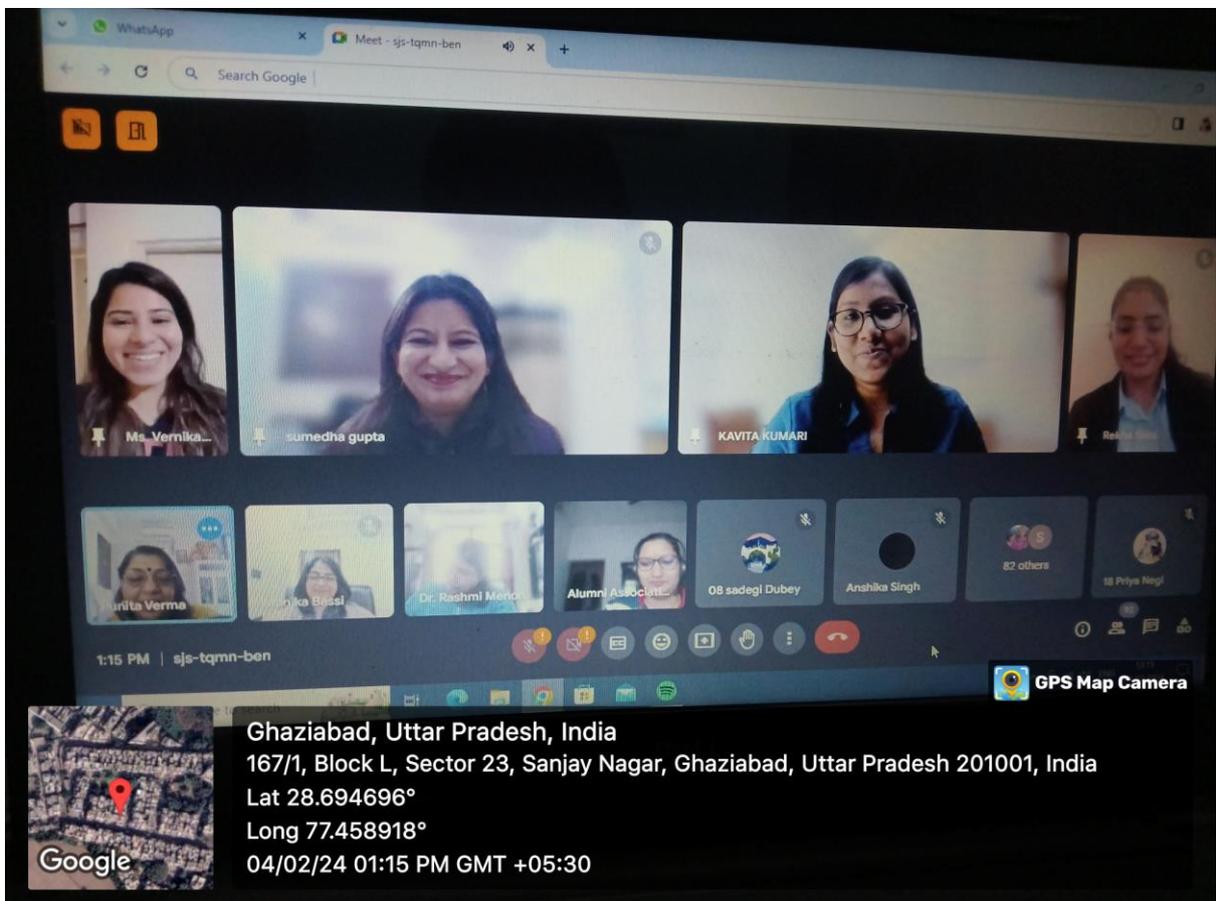
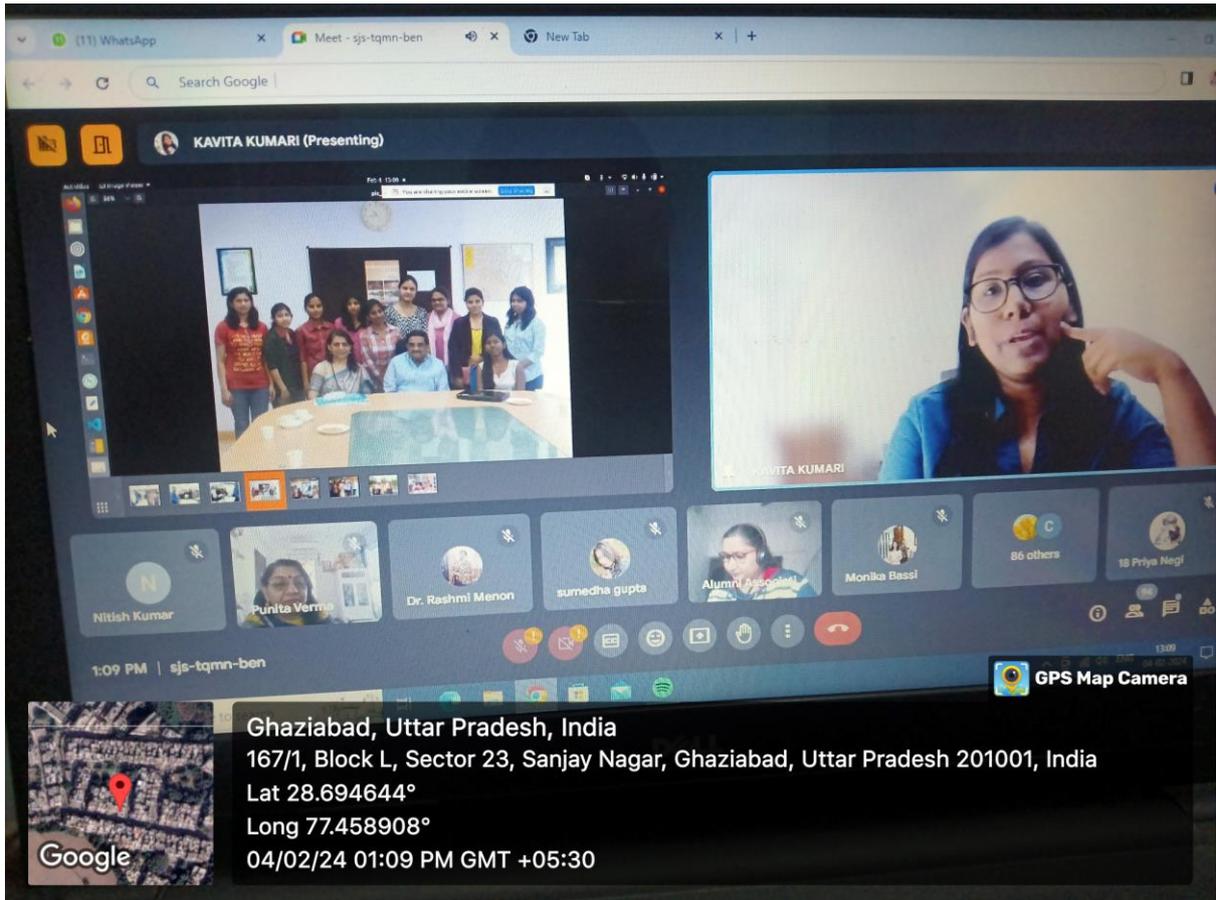
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 Long 77.458925°  
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## **REPORT ON INDIA INTERNATIONAL SCIENCE FESTIVAL**

- Society: PHYSITHON SOCIETY
- Name of the activity: VISIT TO INDIA INTERNATIONAL SCIENCE FESTIVAL
- Name of the Convener: Dr. Monika Bassi
- Name of the Co. Conveners: Dr. Rashmi Menon and Ms. Varsha
- Date/s (-to-) and time (-to-) of activity: 18<sup>th</sup> January 2024 to 19<sup>th</sup> January 2024.
- Number of Participants: 44 Student
- Venue:- Regional Centre for Biotechnology, Pali, Faridabad.

## **DETAILED REPORT**

“INDIA INTERNATIONAL SCIENCE FESTIVAL” was held on 17<sup>th</sup> October, 2024 to 20<sup>th</sup> October, 2024. This event was organized by the Department of Science & Technology, Ministry of Earth Sciences, Council of Scientific and Industrial Research, Department of Biotechnology (DBT), Department of Space, Department of Atomic Energy, Vijnana Bharti and Government of Haryana. . This was open to all undergraduate, postgraduate, Phd students and teachers from any recognized college/ University. The offline venue was Regional Centre for Biotechnology, Pali, Faridabad.

### **Women Scientists and Entrepreneur’s Conclave**

1. Dr. Nandini Harinath, Scientist G, Deputy Director, Spacecraft Operations Area, ISRO, Karnataka
  - Low earth orbit satellites and interplanetary missions like Mangalyaan
  - Monitoring the health of satellites
  - Not an easy or a 9 to 5 job but the excitement and challenges are worth it
  - Being a woman in STEM is more about resilience, persistence, hard work and less about the brainy stuff
  - Evolution of Indian satellites:
    - Spatial: from 1 km to 25 cm
    - Temporal: from 24 days to 2 hours
    - Spectral: from 7 bits to 14 bits
  - Cleaning up space debris still remains a challenge
  - Aditya L1 is a solar mission to study coronal mass ejections and how it impacts the space weather
2. Dr. Martine Cador, Director, CNRS, France
  - Neuroscientist (research on the relationship between brain and behavioral activity, specializing in the effect of drugs in experiencing pleasure)
  - Breaking barriers:
    - Barriers in your head
    - Barrier of the glass ceiling in science
    - Barrier of gender bias in science (failure to meet the need of women because scientific studies are more directed towards men, AI reproducing sexist stereotypes)
  - How to correct that?
    - Encourage girls to study science at school
    - Inclusive career paths
    - Improving work-life balance for women
    - Eliminate harassment
    - Equal access to opportunities
    - Equal recognition for excellence
3. Dr. Sarita Ahlawat, Founder and MD, BotLab Dynamics, New Delhi
  - Purpose for creating BotLabs: disbalance in import and export of electronic parts, India does not build any hardware. In defense sector, 80% of the hardware is imported. To create autonomy, BotLabs was started.
  - By using 3500 Drones in the beating retreat, India came in the 2<sup>nd</sup> position in this field.
  - The company started from 3 people, and currently has 126 people.
  - 10 drones in Pokhran for defense
  - Applications include transport, defense and surveillance, disaster management etc.

## **SPACE HACKATHON**

### **Workshop 1**

Open Lecture by *Shri Sudheer Kumar N*, Director CBPO, ISRO

- How to unleash the knowledge that we learn from childhood and Experience.
- ISRO Websites: VEDAS & MOSDAC.
- SatCom Applications
- SatCom: Mobile Satellite Services, Possible outcomes and Projects.
- Academia Research and Human Resource Development.

### **Workshop 2**

Lecture cum Interaction by *Mr. H.E. Seingheng Hul*, Cambodia

- Recommended book- Emile/On Education.
- How to learn how to teach reflecting on what we learn.
- Stem as education.
- Education vs economic.
- Unleashing your potential.
- Unleashing and continuous creation of the knowledge editing.
- Creation of the knowledge editing.

## **Startup and Innovation B2B**

Startup, Innovation and Technology B2B meet event was inaugurated at Jamsetji N. Tata Hall (6) of the IISF event on 17th January, 2024.

The event consisted of workshops by various speakers and exhibitions of various incubators and startups.

**On 17th January** inauguration ceremony and discussion on Government initiatives enabling the startup ecosystem, and it took a whole day for startup and incubators stalls all to setup and present themselves on their stalls. Incubators ( TBI )from various well known institutes and organizations like VIT Chennai, DST NIDHI- NIT Rourkela, KIIT Bhubaneswar, IIT Bombay, KIET- Ghaziabad, PDEU Gandhinagar, JSSATE Noida, BITS Pilani, IIT Kanpur, IIM Lucknow, IIT Roorkee, Society for TBI- IISER Mohali.

The majority of List were categorised as either Grassroots, TBI(Technology Business Incubator) or DST Startups, GoFresh, LiqSure System Pvt. Ltd. and others..

Stalls under Grassroots Included innovators, who solved problems creatively by generating sustainable options by using local sources as it was shown by Bio Neutra Innovations Pvt. Ltd. , kudrat seeds, Immunity Bloom and many more.

Under DST Startups we had NIKOL EV, XYMA Analytics Pvt. Ltd., AquaAirX

**On 18th January** various workshops happened on Opportunities and Challenges for B2B Technology startups, Intellectual Property rights: A component of Commercial strategy, CSR: A value-driving force for Startups and Entrepreneurs and lastly about Fundraising: What it is? And about how to do it and with these workshops being conducted exhibition of above mentioned stall was going for all the days of events.

**On 19th January**, Workshop 1 was on Startup canvas: Steps for Startup Success

Moderator: Mr. Ashish Jain Founder, CEO, The Startup Board

Panelists: Dhruv Gupta, COO, iTIC Incubator IIH

Saurabh Jain: Founder, Fun2Do labs

The talk mainly focused on how Utility of any product is more important than the Technology involved and the core team of a startup should excel at all steams, Arts, Science and Commerce and How Core team is very important for a Startup.

The Talk started with Panelists telling about what is a Startup, how it is different from a well-established business or when is a company called Startup, it was also about how to start a Startup, different types of Startup, Goals of a Startup : Portfolio of Product, Culture, IPO, 3 steps to startup success : Product, People and Purchasing Power. Product should be giving 80% Utility for 20% features. How it is important to create a minimum viable product, before starting anything big, proper research on market, and products and pre-requisite knowledge is required. They also talked about why other startups succeed because they play as a team, and how storytelling is a major part of convincing people to join your team and majorly when investors for funding asks.

Last Workshop was on How to pitch and raise funds, where Pradeep Yuvraj, Storyteller talked about THR03 THINGS THAT REALLY MATTER, STORY, PITCH & DESIGN

They told the importance of storytelling and how to do it, and why stories are important as they convert complex facts to simpler terms, abstract concept to concrete things, converts facts to emotions, has credibility (details) and have an unexpected twisted to being attention by breaking a pattern.

And another talk was on fundraising and what factors and pros and cons one need to take into account.

**On 20th January** last day of event, 4 day exhibition came to an end by going through an interactive and fun event of Pitching where a few selected Startups which were present at the exhibition were given a chance to present their product at a platform in front many renowned people who were present there as investors, and selected candidates were allowed to present and pitch. It was very thrilling experience and educational process, as it was like seeing SharkTank Live and educational cause we get to understand the points where various participants were good and which parts they were lagging, it was overall an very inspiring for everyone who attended and especially the ones who are looking to initiate their own startup.

We got to learn a lot of things in whole event , here are some question asked and what we got to learn.

### **1.Question session**

- Producing market
- POC's
- What should startup look like?
- As an entrepreneur u just have to spend 20-25% for new things. Act smart for entrepreneurship.
- How to invest money in business?
- Guide students about startup.

### **2. Loan for investment (funding)**

### **Value proposition**

Eg- convince customer for Manual to automatic washing machine.

How to tell customer about value proposition?

GOOB- Get out of the building

Go out and talk to the people and know what people want for building value.

Consider what customer actually wants.

What do people want( for value of money)

Take ur features by feature and manage them as u have the power to do it

Go in the market with these features and see ur product fits in the customer expectations.

### **Talk about: New startups**

Eg- Zepto

Startup should know are they meeting the customer needs.

Make a "Will" with a new startup that makes the process easier as it takes a lot of steps to make a will and with new startup it only takes 10 minutes to generate a will.

- Identifying problem
- Are you communicating with people to know their problems

## STARTUP

In India international science festival, there was many startup stalls are organized for students and teacher , which gave a lot of information regarding upcoming advancement in future.

1. **Aqua Synthesis** is a startup cum deep tech company backed by IIT Delhi. It enables users to grow plants and vegetables under any climatic effect and other biotic or abiotic factors. As of now they are specialized into saffron farming through hydroponic technique. Their focus is to improve the quality of Kashmiri Saffron grown under controlled conditions through continued research and monitoring growth medium factors
2. **Calvem Control**, a tech startup with incubator as IIT Delhi, addresses some of the crucial problems that will help scale India's Electric Vehicle adoption rate and build end customer's confidence in electric vehicles over IC engine vehicles. They are developing high performance electric powertrains (Motor + controller) for Light Electric Vehicles.
3. **Mechinex** is a startup which is a trusted partner for advanced manufacturing solutions. With their cutting-edge technology, innovative machinery, and exceptional customer support, they empower businesses to achieve unparalleled precision, efficiency, and productivity. From CNC machines and laser systems to special-purpose machines and prototyping services, they offer a comprehensive range of solutions tailored to your unique requirements
4. **Elies Biotech** is a startup incubated by PSG. Their Biotechnology enterprise believes in the power of Microbial Bio-prospecting and their concern is dedicated towards Sustainable Agriculture and Clean Environment. They focus on the manufacturing and commercialization of bio-resources from Bacteria, Fungi and Algae intended to improve the quality of human life.
5. **Madras MindWorks** incubated by VIT Vellore, aims to create solutions that are customized for every organization with a focus on VR, AR and MR. They are a group of young and passionate minds who aim at making Madras the Creative Hub of the world. They house some of the cream and unique minds in the industry from gamers, designers, programmers and many more
6. **Phool** is a startup incubated by IIT Kanpur in which they collect floral waste from the temples and mosques in Uttar Pradesh, thus preventing 7600 Kgs waste flowers and 97 Kgs toxic chemicals from getting into the river daily. The waste is handcrafted by rural women self-help groups into patented organic fertilizer and incense sticks via flower cycling. They plan to expand this movement by having a pan-India presence in the years to come.
7. **Strawture Eco** is a green building material company commercializing 100% Sustainable products by compressed agri-fiber technology. It is incubated at NSRCEL, IIM Bangalore under the Women Startup Programme, which is funded by Goldman Sachs and the Department of Science and Technology (DST), Government of India. They are also supported by the Atal Incubation Centre (AIC) at Banasthali Vidyapith, an initiative of Atal Innovation Mission, NITI Aayog and SELCO Foundation. Inspired by nature, they believe in responsible construction and aim to reduce the carbon footprint of our built environment.

## STALLS

In IISF , there were many stalls which were depicting how beautiful science is by presenting there innovations , games , startups , basic concepts of science and much more , such as :-

1. **360 Flying Club**, a Chennai-based Aero Sports Organization, demonstrated the basic principles of working and operation of drones and aeroplanes using the 3D models.
- ✓ They also introduced their idea of hybrid model of drone and airplane, namely VTOL.
  - ✓ The main concepts of aerodynamics - air drag, aerofoil, weight and thrust were explained effortlessly to the students in the interactive sessions held everyday at IISF.
  - ✓ The founder of the club Dr. N SureshKumar himself engaged with the students and visitors to demonstrate the science behind flying objects.
  - ✓ The organization focusses on various other domains like:
    - Aeromodelling
    - RC piloting
    - UAVs
    - IOT
    - Embedded system.
    - Robotics and research
  - ✓ The club is dedicated to raising aerospace awareness among students and the public while emphasizing the importance of "Make in India."

2. **Aryabhata Research Institute of Observational Sciences :-** ARIES, stands for Aryabhata Research Institute of Observational Sciences, is a prominent astronomical institute of India.

- ✓ The primary objective of ARIES is to provide national optical observing facilities to carry out research in the frontline areas of Astronomy and Astrophysics, and Atmospheric Sciences. The main research interests are in solar astronomy, stellar astronomy, star clusters, stellar variability and pulsation, photometric studies of nearby galaxies, Quasars, and transient events like supernovae and highly energetic Gamma Ray Bursts. The optical observations carried out at ARIES are well recognised both nationally and internationally.
- ✓ Known to have one of the most advanced telescopes in India, ARIES is setup as an autonomous institute imparting education on astronomical studies.
- ✓ Microscope focuses the light by which the object we see inside it remains straight and inverted, the image is converted to erect by our minds.

3. **NAVIC**, short for Navigation with Indian Constellation, is India's indigenous regional satellite navigation system. Developed by the Indian Space Research Organisation (ISRO), NAVIC aims to provide accurate positioning and timing services in India and the surrounding regions

- ✓ Consisting of a constellation of satellites, NAVIC offers a range of applications in fields such as transportation, disaster management, and location-based services.
- ✓ With NAVIC, India has achieved self-reliance in satellite navigation and joined the league of nations with their own navigation systems.
- ✓ This remarkable feat showcases India's technological prowess and its commitment to advancing space exploration and satellite technology.
- ✓ The NAVIC system provides precise and reliable navigation data, enhancing the efficiency and safety of various sectors, including transportation and emergency response.
- ✓ It is a significant milestone for India's space program and a testament to the country's dedication to technological innovation and scientific progress.

4. **Indian Association for the Cultivation of Science :-**

The Indian Association for the Cultivation of Science, Calcutta, is a national institution for higher learning whose primary purpose is to foster high quality fundamental research in frontier disciplines of the basic sciences under Department of Science & Technology, Government of India. The association is engaged in research in various fields of physics, chemistry, biological

sciences, mathematical and computational sciences, materials sciences and various interdisciplinary areas.

### **5. National Innovation Foundation:-**

- ✓ India's national initiative to strengthen the grassroots technological innovations and outstanding traditional knowledge.
- ✓ NIF scouts, supports and spawns' grassroots innovations developed by individuals and local communities in any technological field, helping in human survival without any help from formal sector. It also tries to ensure that such innovations diffuse widely through commercial and/or non-commercial channels, generating material or non-material incentives for them and others involved in the value chain.
- ✓ NIF is increasingly seen as a pivot of many national programs in promoting innovations in different sectors of economy and at various levels in society.
- ✓ NIF has pooled a database of over 315,000 technological ideas, innovations and traditional knowledge practices (not all unique, not all distinct) from over 608 districts of the country.
- ✓ NIF has till date recognised 992 grassroots innovators and school students at the national level in its various National Biennial Grassroots Innovation Award Functions and annual Dr A P J Abdul Kalam Ignite Children Award functions. In collaboration with various research & development (R&D) and academic institutions, agricultural & veterinary universities and others institutions.
- ✓ NIF has helped in getting several hundred grassroots technologies validated and/or value added.

### **6. Centre for Nano and Soft Matter (Bengaluru):-**

- ✓ The Centre for Nano and Soft Matter Sciences (CeNS) is an autonomous research institute under the Department of Science and Technology (DST), Government of India. The core support to the centre is provided by the DST in the form of grant-in-aid for conducting basic and applied research in nano and soft matter.
- ✓ The Centre is engaged in materials research at all relevant length scales. Specifically, the current activities are focused on a variety of metal and semiconductor nanostructures, liquid crystals, gels, membranes and hybrid materials.
- ✓ The research team from the Centre for Nano and Soft Matter Sciences, Bengaluru, an autonomous institution of Department of Science and Technology (DST) has shown an elegant pathway to achieve complete photonic bandgap in BPs. The simple and cost-effective methodology developed by the team involves ingenious ways of incorporating high refractive index nanoparticles of appropriate shape and size in the blue phase liquid crystal

### **7. The Raman Research Institute :-**

- ✓ It is a prominent institution in the field of sciences. It is situated in Bengaluru. The institute majorly works on 4 sciences-
  - Light and Matter Physics
  - Astronomy and Astrophysics
  - Soft Condensed Physics
  - Theoretical Physics
- ✓ The model showcased an advance technology by which communication inside India can be end-to-end encrypted very securely. And also demonstrated the different works going on in different branches. The astronomy department is working on studies on evolution of the universe.

### **8. The BrahMos missile,**

- ✓ A product of India-Russia collaboration is renowned for its exceptional speed and

precision. With a top speed of Mach 2.8, it ranks among the fastest cruise missiles globally. Its range is 290 km.

- ✓ It has a mobile autonomous launcher. Its versatility allows for launch from land, sea, and air platforms, making it adaptable in various combat scenarios.
- ✓ It has both liquid and solid propellant such as solid aluminum .
- ✓ Named after the Brahmaputra and Moskva rivers; it symbolizes the strong partnership between India and Russia.
- ✓ The missile's remarkable accuracy and ability to carry different warheads, including conventional and nuclear, enhance its effectiveness.
- ✓ The BrahMos missile represents a significant advancement in modern warfare, showcasing the successful synergy between the two nations.

## **9. Biotechnology:-**

- ✓ Nitrogen fertilizer field to help to grow farming.
- ✓ To make growth of the plants they are genetically growing plants.
- ✓ they showed the nodules of plants
- ✓ which is symbiotic
- ✓ And with help of these we can have a great development in growing plants and farming

## **10. BRIC - national institute of plant genome research**

- ✓ molecular breeding for a food sufficient future
- ✓ DNA types: ACGT is an acronym for the four types of bases found in a DNA molecule: adenine (A), cytosine (C), guanine (G), and thymine (T).
- ✓ Mustard oil has chemical thing which is not good for health named glucosinolate. so they made two type of mustard oil
  - 1) strong smell based
  - 2) low smell based
- ✓ Which have low glucosinolate and it is healthy.
- ✓ The diary of pregnancy:- kangaroo mother care for those child \*which get out from pregnancy within 6 to 8 months (KMC)
- ✓ If the child has low weight than an average weight of a child then we use this method .with this 30-40 kg mass of the baby increase every day.
- ✓ Skills and development growth maternal infection
- ✓ Certain undiagnosed and untreated maternal infections during pregnancy can actually harm the baby and result in serious birth injuries, including the need for resuscitation, brain injuries, and even death. \*Diagnosis and treatment of maternal infections is a critical component of good prenatal care.

## **MOBILE BUS'S**

Mobile bus's was placed for encouraging the students, and places various activities for the students and encouragement about and explained the basic science through activities.

### **1. Space On Wheels**

ISRO's mobile bus was exhibited on the field of mobile bus and members were spreading acknowledgment about the satellites as well as the frequency they were working on. The mission such as Chandrayaan and Aditya-L1 and path they followed in space. Types of satellites:-

1. Remote sensing
2. Communication
3. Navigation
4. Interplanetary

There was 2 more buses mainly for the students.

## **2. BUS 1:**

- It was showcasing different innovative models of things like a small Banaras saree making machine. It explained how much efforts are put into the work to make a saree which takes about 25-30 days to make.
- They were also providing kits to the school-going children and also demonstrating how to assemble the kits, like a kit can be made into a windmill and boat by just switching some parts of it.
- All these models were basically for students of less than grade 5.

## **3. BUS-2:**

- Bus 2 was showing interesting scientific experiments to demonstrate concepts such as Bernoulli's theorem, lens camera, 3D magnets field lines, infinity well as well as vacuum.
- Demonstrates apparatus of Bernoulli's theorem.
- Instruments that can help students visualize the concept of real image in reality.
- The 3D structure of magnetic field lines.

### **Advancement in Pharmacy Through Virology And Molecular Biology**

**Open Lecture By: Kyosuke Nagata, President, University of Tsukuba, Japan**

#### **Workshop -2**

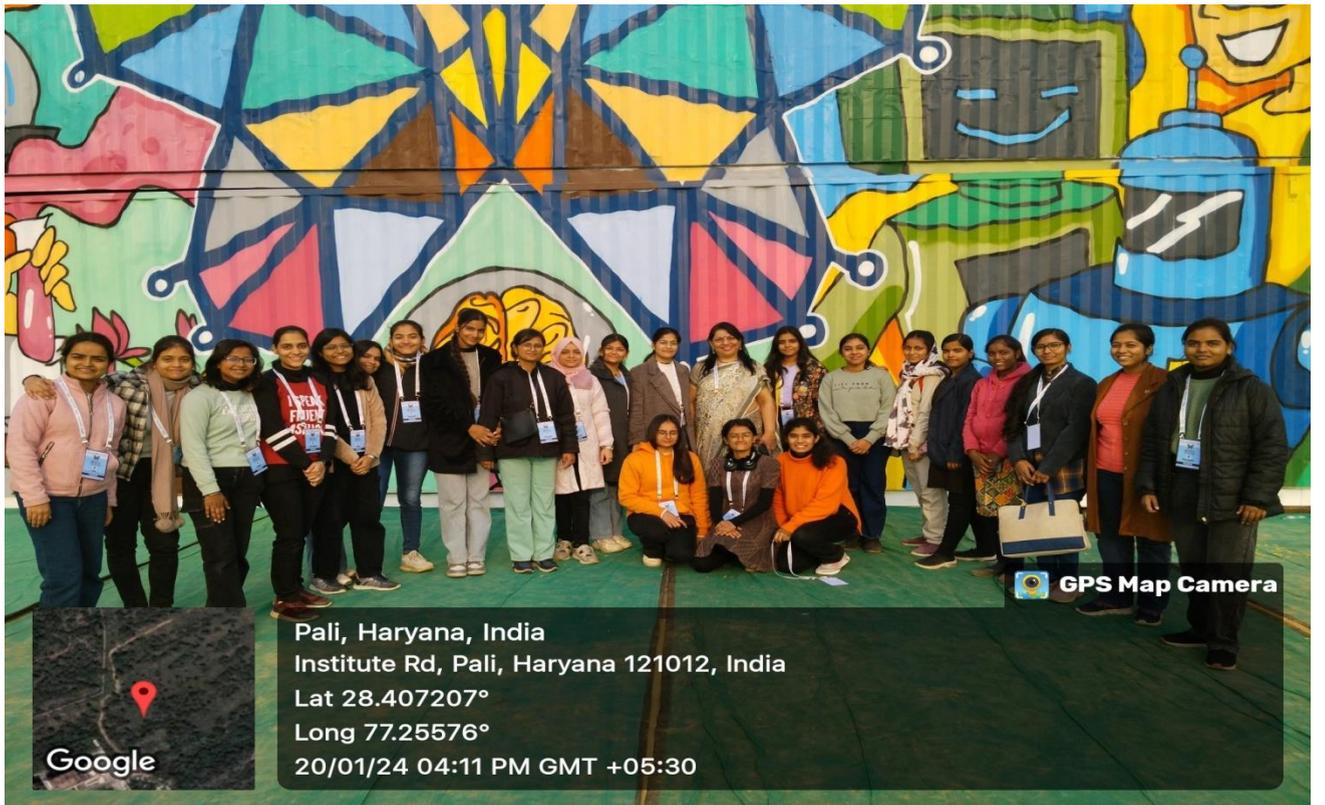
Key Points:

- How to make Antibiotics?
- To control the novel coronavirus (COVID 19) infection and to restore normal social and economic activities.
- Clues lie in the proposition only.
- Are "term" in the proposition defined?
- To Develop Drugs to control COVID 19
- Influenza virus RNA Genome and it's Replication and Transcription Complex
- The Crystal Structure of PA - PB1 complexes
- PA – PB1 complexes material are important for virus
- Compound Screening by molecules dynamics calculation based on the crystal structure of PA-PB1 complex
- Maintain your strong passion

### **ATTENDANCE SHEET**

<b>S.No</b>	<b>Name</b>	<b>Course</b>	<b>Year/semester</b>
1	Afreen Chaudhary	PHY HONS.	1,2
2.	Shweta Sharma	PHY HONS.	1,2
3	Samaira Fatima	PHY HONS.	1,2
4	Deepali	PHY HONS.	1,2
5	Aditi	PHY HONS.	1,2
6	Kritika	PHY HONS.	1,2
7	Sakshi	PHY HONS.	1,2

8	Kalpana	PHY HONS.	1,2
9	Anushka	PHY HONS.	1,2
10	Sushmita	PHY HONS.	1,2
11	Madhu	PHY HONS.	1,2
12	Ankita	PHY HONS.	1,2
13	Chhavi	PHY HONS.	2,4
14	Suruchi	PHY HONS.	2,4
15	Madhavi	PHY HONS.	2,4
16	Siddhi	PHY HONS.	2,4
17	Sadegi	PHY HONS.	2,4
18	Ishu	PHY HONS.	2,4
19	Khushboo	PHY HONS.	3,6
20	Anjali Chauhan	PHY HONS.	3,6
21	Himanshi Pal	PHY HONS.	3,6
22	Shweta	PHY HONS.	3,6
23	Nandini	PHY HONS.	3,6
24	Nupur	PHY HONS.	3,6
25	Ishika Kumari	PHY HONS.	3,6
26	Riya Pal	PHY HONS.	3,6
27	Priya Sharma 7	PHY HONS.	3,6
28	Payal	PHY HONS.	3,6
29	Tanisha	PHY HONS.	3,6
30	Umang	PHY HONS.	3,6
31	Neha	PHY HONS.	3,6
32	Shrishti	PHY HONS.	3,6
33	Nidhi	PHY HONS.	3,6
34	Garima	PHY HONS.	3,6
35	Himanshi pal	PHY HONS.	3,6
36	Ritika	PHY HONS.	3,6
37	Priya	PHYSIALSCI	2,4
38	Kritika Sharma	PHYSIALSCI	2,4
39	Pooja Kumari	PHYSIALSCI	2,4
40	Aesh	PHYSIALSCI	3,6
41	Komal	PHYSIALSCI	3,6
42	Nikita	PHYSIALSCI	3,6
43	Geentanjali	PHYSIALSCI	3,6
44	Teena	PHYSIALSCI	3,6



Pali, Haryana, India  
Institute Rd, Pali, Haryana 121012, India  
Lat 28.407207°  
Long 77.25576°  
20/01/24 04:11 PM GMT +05:30



Pali, Haryana, India  
Unnamed Road, Pali, Haryana 121004, India  
Lat 28.407787°  
Long 77.257746°  
19/01/24 05:06 PM GMT +05:30

## IMAGE OF EVENT WITH CAPTIONS

### Women Scientists and Entrepreneur's Conclave



## SPACE HACKATHON

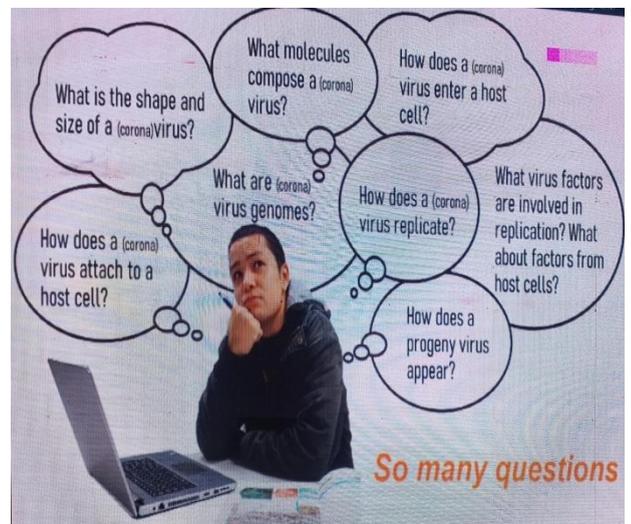
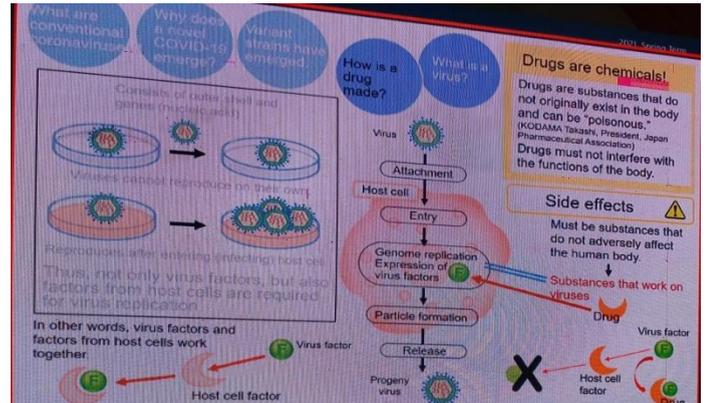


## Startup and Innovation B2B

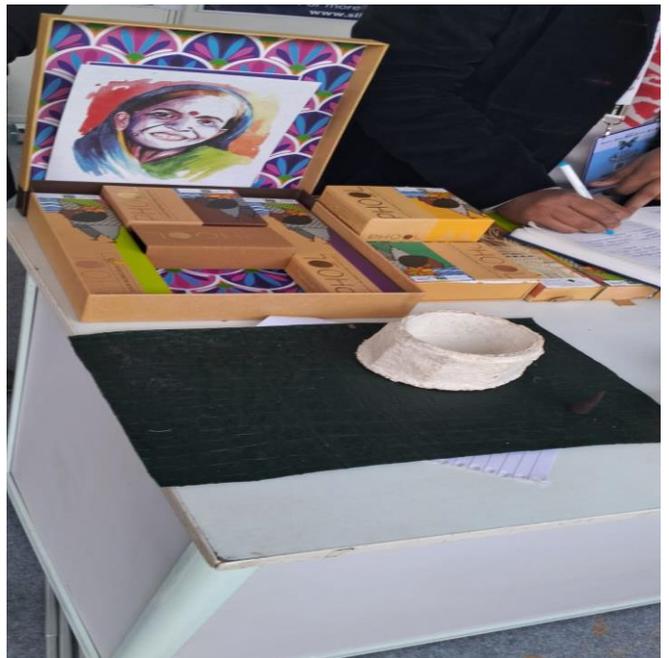
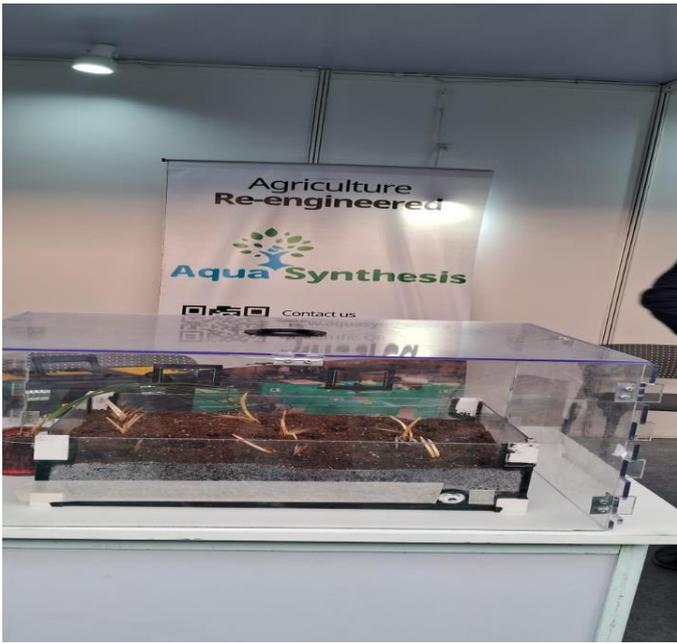




## Advancement in Pharmacy Through Virology And Molecular Biology



# STARTUP



# STALLS





# **Department of Physics, Kalindi College**

**Department/Society:** Physithon Society, Physics Department, Kalindi College

**Name of the activity:** Interactive Session with “Mymenia Foundation” for Community Outreach Programme on 5.2.24 at Physics Lab L1, Kalindi College.

**Name of TIC/Convener:** Prof. Monika Bassi

**Co-Convener:** Dr. Rashmi Menon

**President of society:** Umang Bhalotia

**Vice-President:** Mannat Rana

**Attendees:** All the office bearers of Physithon Society and students of 1<sup>st</sup> year Physical Science.

**Name of Resource Person:** Mr. Shubham Yadav, Director of Mymenia Foundation.

The NGO, Mymenia, aims to work on the education and mental health of the children and youth so each life can be empowered and enhanced . Education should be of great importance in our basic things because education is what makes us a good person by changing our behaviour and thoughts. They have 3 main motto:

1. Education of the Poor children
2. Mental health of the children
3. Betterment of their future

The NGO works to improve the lifestyle of these children and helps them to dream big. They organize classes for students upto Class 8. And work for their mental health

**Outcomes of Interaction:** Mr. Shubham Yadav showed the life of these children and the conditions under which they are living. Physithon Society will be working to help these children in need. The society has also organised a Donation Drive starting from 5 Feb to 8 Feb, 2024. This Donation Drive will be followed by a visit to the slum area to educate the local people on “Menstrual hygiene” and “Clean water awareness”. The society is really looking forward to work with the NGO.

**Pictures of the interaction are attached below:**



New Delhi, Delhi, India  
110006, near Kalindi College, University of Delhi, Block 49, East Patel Nagar, Patel Nagar, New Delhi,  
Delhi, 110008, India  
Lat 28.649138°  
Long 77.178064°  
05/02/24 12:06 PM GMT +05:30



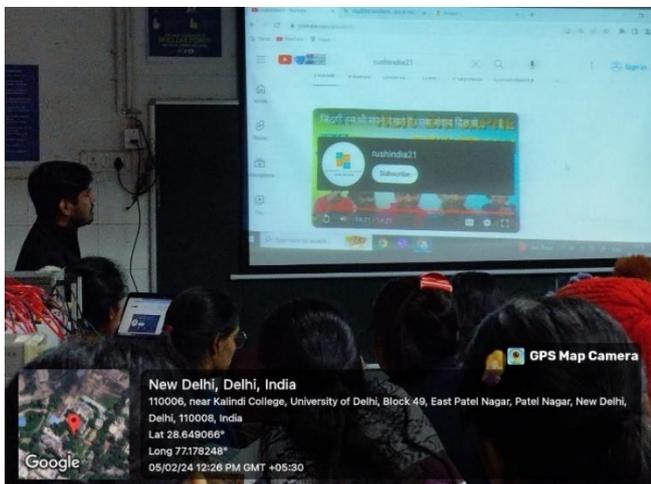
New Delhi, Delhi, India  
110006, near Kalindi College, University of Delhi, Block 49, East Patel Nagar, Patel Nagar, New Delhi,  
Delhi, 110008, India  
Lat 28.649083°  
Long 77.178273°  
05/02/24 11:58 AM GMT +05:30



OPPO A79 5G  
New Delhi, 2024.02.05 12:07



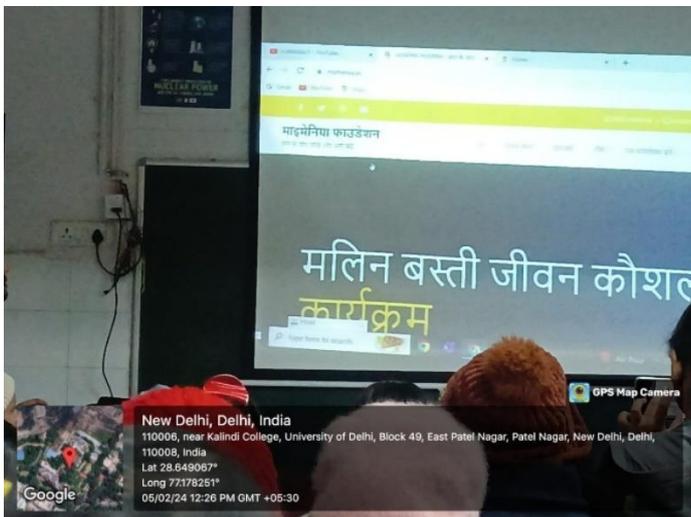
New Delhi, Delhi, India  
110006, near Kalindi College, University of Delhi, Block 49, East Patel Nagar, Patel Nagar, New Delhi,  
Delhi, 110008, India  
Lat 28.649067°  
Long 77.178251°  
05/02/24 11:59 AM GMT +05:30



New Delhi, Delhi, India  
110006, near Kalindi College, University of Delhi, Block 49, East Patel Nagar, Patel Nagar, New Delhi,  
Delhi, 110008, India  
Lat 28.649066°  
Long 77.178248°  
05/02/24 12:26 PM GMT +05:30



Ideas For The Vision





# **REPORT ON COMMUNITY OUTREACH PROGRAM**

- **Society:** PHYSITHON SOCIETY
- **Name of the activity:** “COMMUNITY OUTREACH PROGRAM”
- **Convener:** Prof. Monika Bassi
- **Co-Convener:** Dr. Rashmi Menon
- **President:** Umang
- **Vice President:** Mannat Rana
- **Date of activity:** 12th February, 2024
- **Time:** 02:30 PM to 04:30 PM
- **Mode:** Offline
- **Venue:** Shiv Basti, Near Rama road, Patel Nagar Railway station.
- **Number of Participants:** 21

**POSTER: -**

विकसित भारत  
अभियान  
1947 TO 2047

PHYSITHON

100 YEARS  
1922-2022

PHYSITHON-THE PHYSICS SOCIETY  
PHYSICS DEPARTMENT, KALINDI COLLEGE  
ORGANISES  
**Donation  
Drive**  
for  
**Community Outreach Programme**  
**#Viksit Bharat@2047**  
**(5 Feb to 8 Feb)**  
**Venue: Lab 1, First floor, Science Block**  
**Duration: 8:30 to 5:00 pm**

**CURRENTLY ACCEPTING:**

- Clothes
- Blankets
- Sanitary Napkin
- Other Useful Items

Umang  
President  
9166311449

Mannat  
Vice-President  
8091097569

# **DETAILED REPORT**

Community Outreach program was held on 12<sup>th</sup> February, 2024. This event was organised by the Physithon, the Physics Society of Kalindi College. This program aimed to raise awareness and educate the local people about the important issues stated below.

It included 3 phases:

- Seminar on Menstrual Hygiene
- Seminar on Water Hygiene and Clean Water
- Donation (Sanitary products and Clothes)

## **SEMINAR ON MENSTRUAL HYGIENE**

**STARTING TIME:** 02:30

Introduction And Interaction with all the ladies.

Number of Attendees: 45

**Topics discussed: -**

- Puberty
- Biological meaning
- Reactions (cramps, headache, backache, etc)
- Myths and Facts
- Awareness regarding sanitary products
- Female reproductive/sexual parts

The use of sanitary pads and washing the genital area are essential practices for good menstrual hygiene.

**Speakers:**

1. Chhavi
2. Soumya Sahay
3. Riya Pal

**ENDING TIME:** 03:15

## **SEMINAR ON CLEAN WATER & WATER HYGIENE**

**STARTING TIME:** 03:30

INTRODUCTION And INTERACTION with the children.

Number of Attendees: 55

**Topics discussed: -**

- Introduction on clean water and importance of water

- Waterborne diseases
- Importance of drinking clean water
- Avoiding diseases
- Sanitation facilities
- Cleaning water on small scale
- Storage of the clean water

Even small actions can make a big difference.

**Speakers:**

1. Shweta Sharma
2. Priya
3. Afreen Chaudhary

**ENDING TIME:** 04:00

**DONATION**

**STARTING TIME:** 04:01

Donation of sanitary products and clothes

**ENDING TIME:** 04:30

**ATTENDEES**

Name	Course	Year	Roll no.	Email Address
Ishu Bhadana	Physics Honours	II year	22567031	ritagujjar1@gmail.com
Shrishti Sharma	Physical Science	III year	21582027	sharmashrishti083@gmail.com
Payal	Physics Honours	III year	21567017	payalkh66@gmail.com
Priya Negi	Physical Science	II year	22582018	impriyanegi@gmail.com
Shweta Sharma	Physics Honours	I year	23567031	shwetask37932@gmail.com
Riya Pal	Physics Honours	III year	21567019	p1004riya.85@gmail.com
Afreen chaudhary	Physics Honours	I year	23567026	aliafreen.3312@gmail.com
Priya Sharma	Physics Honours	III year	21567007	priyasharma28112@gmail.com
Anjali Kanta	Physics Honours	III year	21567036	ajcrazykanta@gmail.com
Shristi singh	Physics Honours	III year	21567037	singhshristi0602@gmail.com
Chhavi Jhawar	Physics Honours	II year	22567006	chhavijhaw@gmail.com
Mousumi Das	Physics Honours	III year	21567013	mdas49003@gmail.com
Himanshi Pal	Physics Honours	III year	21567012	himanshipal3012@gmail.com
Khushboo Rani	Physics Honours	III year	21567003	khushbooran03@gmail.com
Suruchi Singh	Physics Honours	II year	22567023	suruchisinghh09@gmail.com
Varsha Sharma	Physics Honours	III year	21567032	varshamsharma23@gmail.com
Mannat Rana	Physics Honours	III year	21567015	mannurana4142v@gmail.com

Soumya Sahay	Physical Science	I year	23582030	rajnishranjansahay@gmail.com
Jaismee	Physics Honours	III year	21567035	vjia93902@gmail.com
Samaira Fatima	Physics Honours	I year	23567018	samairafatima6125@gmail.com
Khushboo Rani	Physics Honours	III year	21567003	khushbooran03@gmail.com

**PHOTOGRAPHS: -**

**STUDENTS AND TEACHERS DURING COLLECTION OF DONATION GOODS**



**WHILE GOING TO SLUM WITH MYMENIA FOUNDATION**



## STUDENTS WITH POSTERS



## PREPARATION FOR THE SESSIONS



## DURING INTERACTION WITH THE LADIES



## SESSION ON MENSTRUAL HYGIENE





## DONATION OF SANITARY PRODUCTS





## INTERACTION WITH THE KIDS



## SESSION ON CLEAN WATER AND HYGIENE





### ONE-ON-ONE INTERACTION WITH THE KIDS





## DONATION OF CLOTHES

