

Name of the Event: Inter College Powerpoint Presentation Competition

Topic of the Presentation: 'Paradigm Shift Towards Green Energy: Benefits and Challenges'

Date of the Event: 16 July 2021

Time: 9.30 A.M.

Platform: Zoom Meeting

Link of the Meeting:

<https://us06web.zoom.us/j/81770044445?pwd=VDBpT1VDVVoT21yVlpSSFhSUzNuQT09>

Meeting ID: 817 7004 4445

Passcode: 735629

No. of Participants: 38



(Dr. RITU DHINGRA)

TIC, Department of Physics)

Inter College Powerpoint Presentation Competition

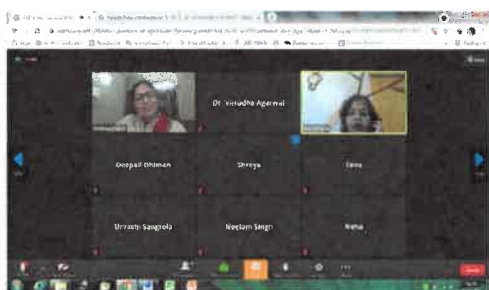
Link:

<https://us06web.zoom.us/j/81770044445?pwd=VDBpT1VDVVoT21yVlpSSFhSUzNuQT09>

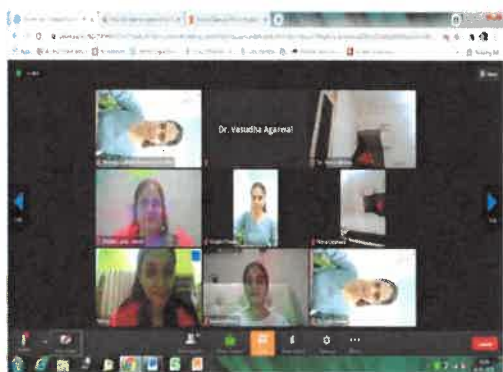
'Scintillations' the Physics Society of Maitreyi College organised an Inter College Powerpoint Presentation Competition for the students of undergraduate level on the topic '**Paradigm Shift Towards Green Energy: Benefits and Challenges**' on 16 July 2021 through Zoom Platform. The aim of the competition was to enhance the visual learning and presentation skills and to impart the knowledge to students about green energy in an interesting manner.

The participation could be on an individual basis or in a group of two members. The last date of the submission of the presentation was 14 July 2021. There were a total ten entries from different Colleges of Delhi University. Only 8 entries were selected and given a chance to present during the competition.

The event was inaugurated by Dr Haritma Chopra, Principal, Maitreyi College. She extended her warm welcome to the participants and briefed the gathering about the importance of green energy in today's scenario of COVID-19 pandemic. Dr Ritu Dhingra, Teacher in-charge, Department of Physics, Maitreyi College addressed the gathering and emphasized on the requirement of such types of competitions. Dr. Shalini Lumb Talwar, Associate Professor, Department of Physics, Maitreyi College and Dr. Savvi Mishra, Assistant Professor, Department of Physics, Maitreyi College were the judges for the event. For each entry the maximum time limit was of ten minutes including seven minutes for presenting and three minutes for questions by the judges. All the participants presented their presentation quite nicely. But two entries were chosen for the first and second prizes.



Dr. Ritu Dhingra



Two winners are as follows .

First position hold by:

Urvashi Sangrola

B.Sc. (H) Physics I year

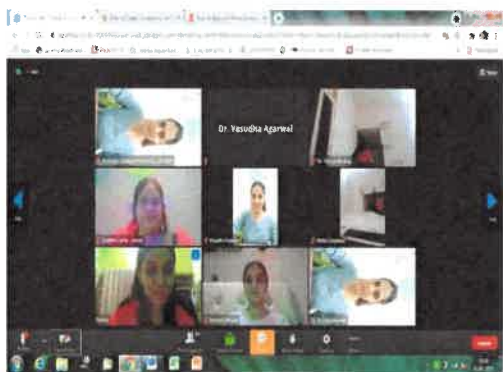
Maitreyi College

Second position hold by:

Harshita Saluja and Rohit Verma

B.Sc. (H) Chemistry III year

Rajdhani College, (University of Delhi)



Chitra Dhojra



Feedback Analysis

Feedback form was filled by the participants. All the participants were satisfied with the organisation of the event. The competition proved to be an informative and knowledgeable event according to the takeaways from the participants. Certificates were mailed to all the participants and the winners.

List of Participants

S.No.	Email ID	Name	Department/Course and year	College/University
1	Avantikayadav20	Avantika	Physics/Bsc honors 3 rd year	Maitreyi College
2	mhkgupta1412@	Mahak Gupta	Bsc(physical science with computer science)	Maitreyi College DU
3	Saijalsingh9568@	Saijal	Bsc honors physics	Maitreyi College DU
4	ritikakichloo2480	Ritikakichloo Gursimran	Bsc physics honors	Maitreyi College DU
5	gursimrank575@	Kaur	Physics/BSc Physics (H) 1 st year	Gargi College
6	nehdeswal@gma	Neha	Physics honors 2 nd year	Maitreyi College DU
7	nidhisingh91027	Nidhi Singh	Computer science/Bsc physical science with computer	Maitreyi College DU
8	pinkisin9h@gmai	Pinki	Computer science Department/ bsc(prog) physical scie	Maitreyi College DU
9	pooniahkushi7@	KHUSHI POONIA	Physics/B.Sc(H)Physics ,3 rd year	Maitreyi College DU

				Maitreyi	
10	poojaydv60@gm	Pooja Kumari	Physics Department BSC Physics Hons 1 st year	College	
11	tanuyadavkk@gm	Tanu	Bsc physics hons., 2 nd year	Maitreyi College DU	
12	harshitasaluja12	Harshita Saluja	Chemistry Department, Bsc hons(Chemistry), 3 rd year	Raidhani College.DU	
13	snehasanjaysirofi	Sneha	bsc hons physics 2 year	Maitreyi College DU	
14	Saijatsingh9566@	Saijal	Bsc hons physics/1 st year	Maitreyi college delhi university	
15	Simratkaur22002	SIMRAT KAUR N	PHYSICS/B.Sc(H) Physics 1 st year	MAITREYI COLLEGE, UNIVERSITY OF DELHI	
16	jaanshi2002@gm	Jaanshi	B.Sc. physical science with computer science	Maitreyi college , Delhi university	
17	sapnaydv8003@	Sapna	Bsc physical science with computer science, 1 st year	Maitreyi College	
18	manishakamania	Manisha	B.Sc (H) Physics, 2 nd year,	Maitreyi college	
19	bhawnav128@gm	Bhawna Verma	B.Sc.Physics honours (first year)	Maitreyi college,du	
20	anjalitripathi1511	Anjali	BSC (Hons) physics 3 rd year	Maitreyi college (Du)	
21	ankita0682@gma	Ankita	Physical science with Computer science (1year)	Maitreyi college	
22	ravinakhardwal13	Ravina	B.Sc.(H) Physics, 1 st year	Maitreyi College DU	
23	mamtaydv9989@	Mamta	Bsc physical science with computer science first year	Maitreyi College	
24	mahesh22bhatt@	Mahesh Chandra	Physics	Maitreyi College	
25	ajay.kumar.phys@	Dr. Ajay Kumar	Physics	Maitreyi College	
26	pyadav@maitrey	Dr Parul Yadav	Physics	Maitreyi College	
27	mansi54550320@	Tanya sharma	B. Sc. Botany H 1 st year	Maitreyi College DU	
28	nikum.bhanuyada	Bhawna	BSc(Hons)Physics, 3 rd yr	Maitreyi College, DU	
29	neha.kannojiya20	Neha	Physical science with computer science	Maitreyi college	
30	pnp.neha@gmail	Neha Gupta	Physics	Maitreyi College DU	
31	nimishasagar05@	Nimisha sagar	B.sc physics (Hons) 1 st year	Maitreyi college	
32	Sanhelata2001@	Sanehlata	B.sc (hons) physics	Maitreyi College	
33	pshikha@maitrey	DR. PRAJWALIT	PHYSICS	Maitreyi College	
34	dhimandeepali54	Deepali Dhiman	B.Sc.(H) physics III YEAR	Maitreyi College	
35	dhanag2000@gm	Garvita Dhanawa	Bsc Hons Physics , 3 rd year	Maitreyi College	
36	avnikatyagi19@g	Avnika Tyagi	Physics dept, 1 st year	Maitreyi College	

37 dhruviagrawal1@ Dhruvi agrawal B.Sc(H)Physics (1st year) Maitreyi College

38 anchalpandey422 Anchal pandey Physics hons 2nd year Maitreyi College



Dr. Ritu Dhingra

Convenor and

TIC, Department of Physic

(2021-22

Event:Poster Making Competition

TOPIC of the poster : 'WOMEN IN SCIENCE AFTER INDEPENDENCE'.

Date : 30/08/2021

Time : 11:00 A.M.

Platform : Google Meet

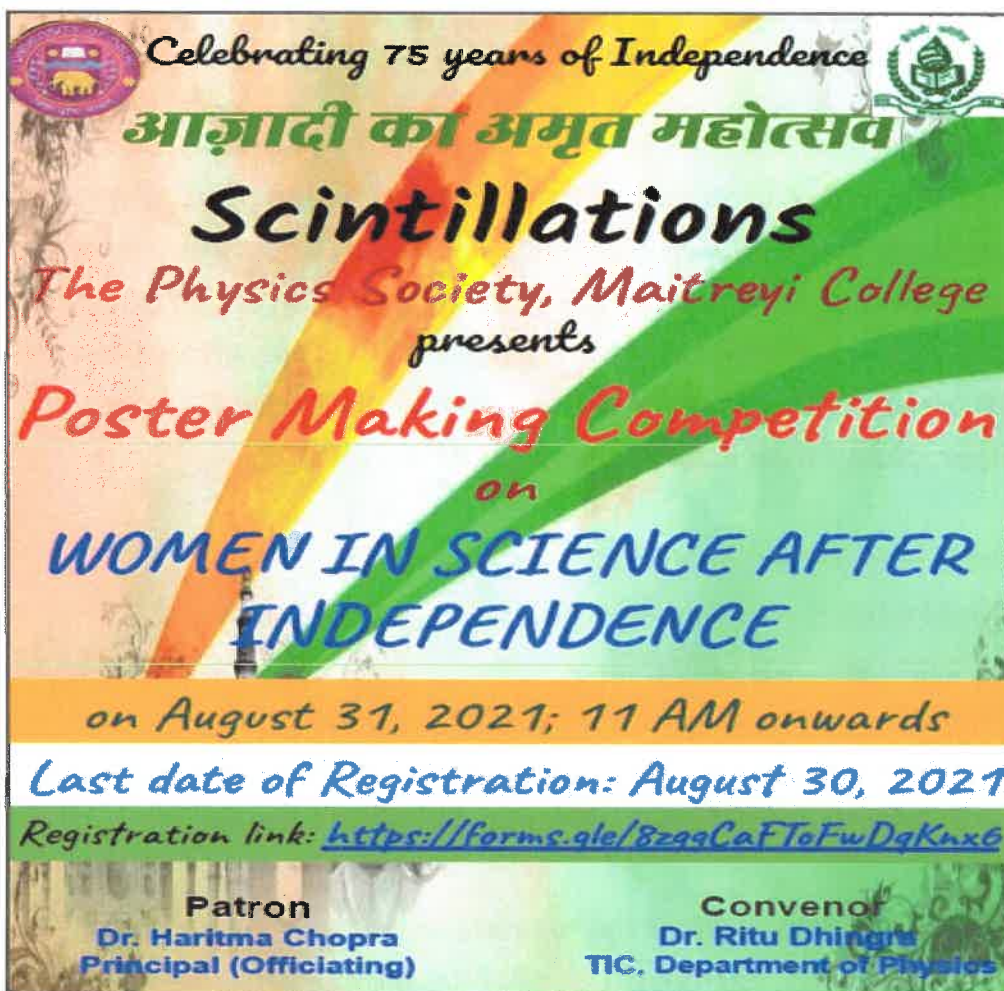
Link: meet.google.com/nsa-etsk-anh

No. of the Participants: 60

Ritu Dharma
(Dr. RITU DHARMA)
TIC, Department of Physics

DETAILS of the event :

1. POSTER of the Event:



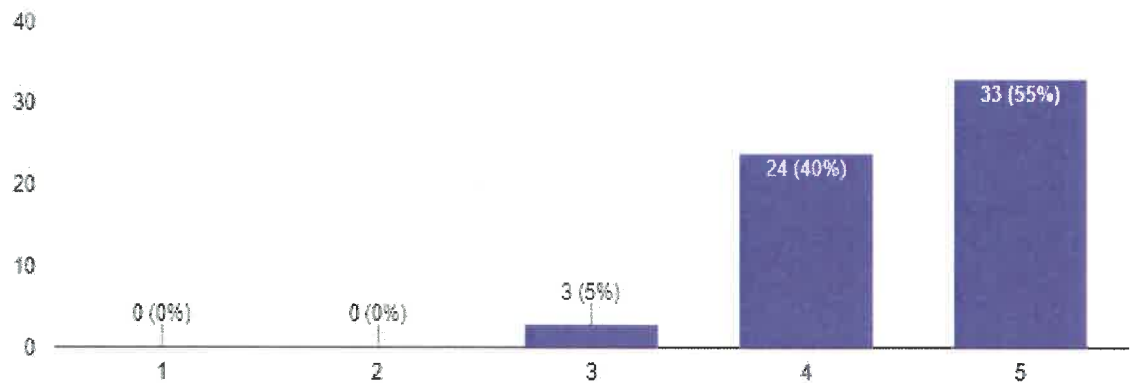
2. TOPIC of poster : 'WOMEN IN SCIENCE AFTER INDEPENDENCE'.
3. Date : 31/08/2021
4. Time : 11:00 Am
5. Platform : Google Meet

Scintillations, the Physics Society o Maitreyi College organised a **Poster Making Competition** to celebrate **75 years of India's Independence** –**Azadi Ka Amrit Mahotsav** on 30th August, 2021.

This was organised with an aim to make our younger generation aware of the various contribution of eminent Indian Women Scientist after Independence and the way they took Science to new level with their innovations. The aim of the competition was to inculcate creative thinking skills in the students. The

How satisfied were you with the event?

60 responses



What were your key take-away from the event? 60 responses

-

Women empowerment

None

Various types of Posters

Nice

I had some urgent piece of work

Women in India need to work more in scientific field.

Womens are self independent and reliable for their own work.

Participation is important

The title "Women in Science after Independence"

Any suggestions 60 responses

No

No suggestions

No

-

NA

None

More event like this

Schedule these type of events in holidays

No suggestions.. Thank you

Nil

The presentations were nice overall and there was no such network issues so no suggestions

Pls organise such sessions

NIL

No, the event was well organised.

Such webinars provide exposure to the students, so these must be conducted occasional

LIST OF PARTICIPANTS

S.No.	Email ID	Name	Department/Course and Year
1	urvashisangrola@gmail.com	Urvashi Sangrola	Bsc Hons physics/ 2 year
2	snehasanjaysirohi@gmail.com	Sneha	Physics department Bsc hons physics Third year
3	20neha02yada@gmail.com	Neha yadav	Physics honours , 3rd year
4	pooniakhushi7@gmail.com	Khushi Poonia	Physics/BSc (H) Physics 3rd year
5	manishakamani2@gmail.com	Manisha	B.Sc (H) Physics,3rd year
6	sachdevapayal10@gmail.com	Payal Sachdeva	BSc(H) Physics , 2nd year
7	nehadhingra609@gmail.com	Neha	Department of physics, BSC Physics Hons, 3rd year
8	shivangiverma122001@gmail.com	Shivangi	Bsc.(H) Physics III Year
9	Gunjandhingra08885@gmail.com	Gunjab	Bsc(H)Physics 3rd year
10	dhanag2000@gmail.com	Garvita Dhanawat	Bsc Hons Physics 3rd year
11	Avantikayadav20002@gmail.com	Avantika	Physics/Bsc hons 3rd year
12	nidhisingh91027@gmail.com	Nidhi	Bsc Physical science with computer science/2nd year
13	nidhirana32000@gmail.com	Nidhi Rana	Bsc(H)physics. 3 year
14	anjalitripathi15112001@gmail.com	Anjali	Bsc (hons) physics 3rd year
15	mathur.pranshi@gmail.com	Pranshi Mathur	Physics, B. Sc (H) Physics
16	aasthaaggarwal82183@gmail.com	Aastha Agarwal	B.Sc (hons) Physics , 2 year
17	simratkaur22002@gmail.com	SIMRAT KAUR NANDA	B.Sc(H)PHYSICS 2ND YEAR
18	nazikadhimaan@gmail.com	Nazika	Physics/bsc honors 2nd year

	32 Sanhelata2001@ Sanhelata	B.sc (hons) physics	Maitreyi College
	36 pshikha@maitrey DR_PRAJWALIT PHYSICS		
	37 dhimandeepali54 Deepal Dhiman	B.Sc.(H) physics III YEAR	
	38 dhanag2000@gm Garvita Dhanawa	Bsc Hons Physics . 3rd year	
	36 avnikatyagi19@g Avnika Tyagi	Physics dept, 1st year	
	37 dhruviagrawal1@ Dhruvi agrawal	B.Sc(H)Physics (1st year)	
	38 anchalpandey422 Anchal pandey	Physics hons 2nd year	

Avnika Tyagi

Name of the Event: 'Dr. Savita Dutta Memorial Lecture'

Date of the Event: September 30, 2021.

Name of the Speaker: Prof. Deepak Pental, former Vice Chancellor, University of Delhi

Title of the Talk: 'R&D for National Prosperity: The Role of Colleges and Universities'

Platform: Zoom Meeting

Link of the Meeting:

<https://us06web.zoom.us/j/88317084556?pwd=L3IxMmVRNlpKSkhuRTY0WEhJckVZUT09>

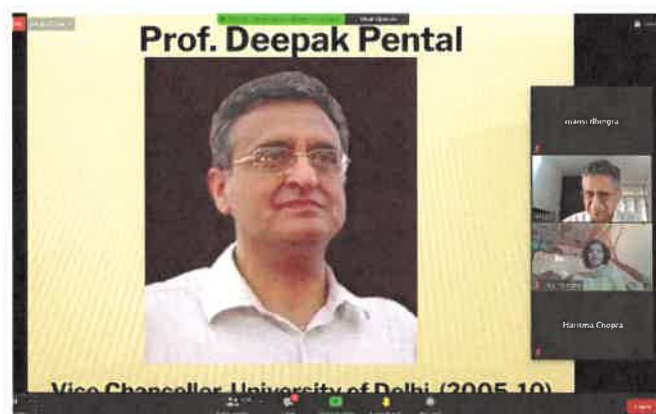
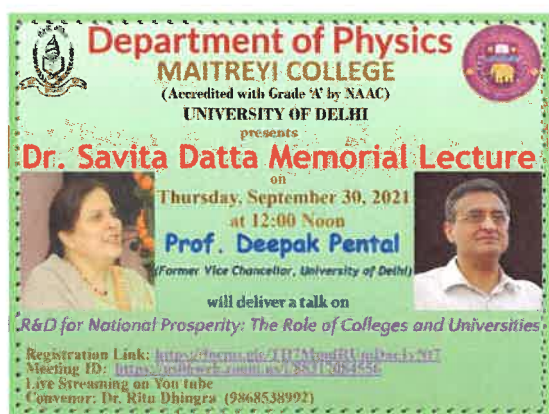
Meeting ID: 883 1708 4556

Passcode: 127541

No. of Participants: 94

Ritu Dhingra
(Dr. RITU DHINGRA)
TIC, Department of Physics.

Dr. Savita Datta Memorial Lecture

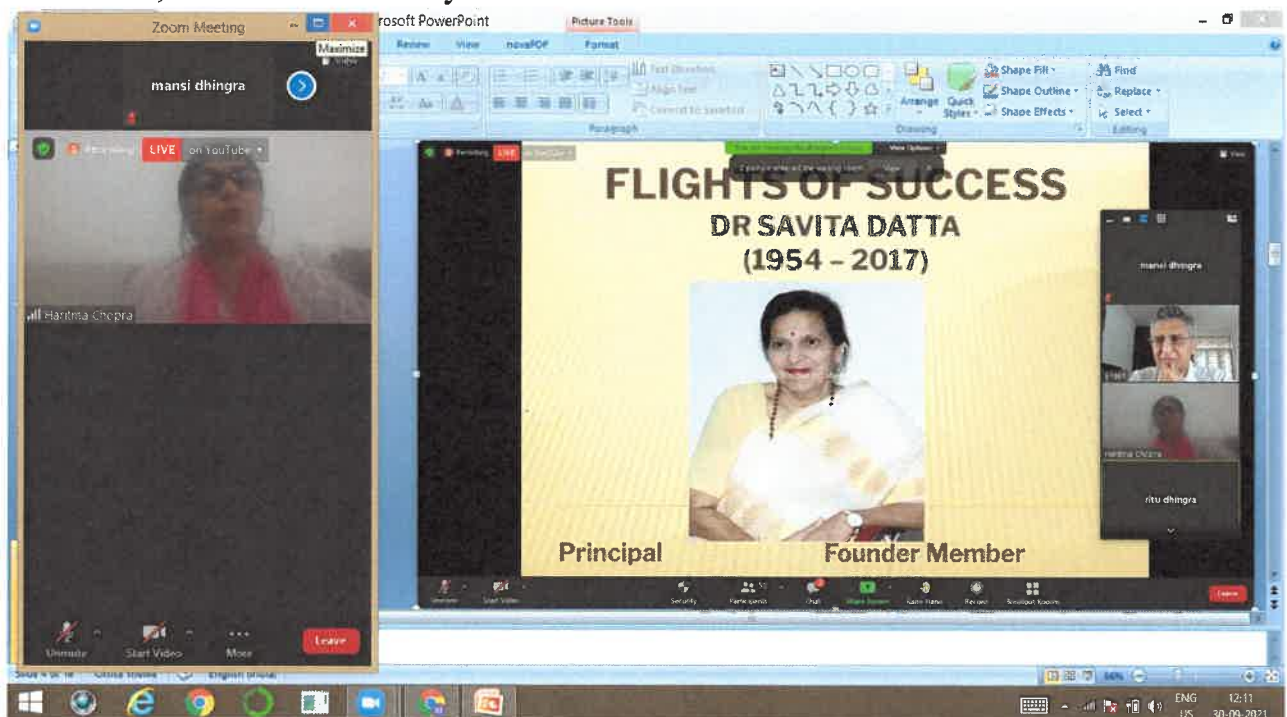


Department of Physics, Maitreyi College, University of Delhi organised 'Dr. Savita Dutta Memorial Lecture' on her birth anniversary on September 30, 2021. Prof. Deepak Pental, former Vice Chancellor, University of Delhi gave an online lecture on the topic 'R&D for National Prosperity: The Role of Colleges and Universities'

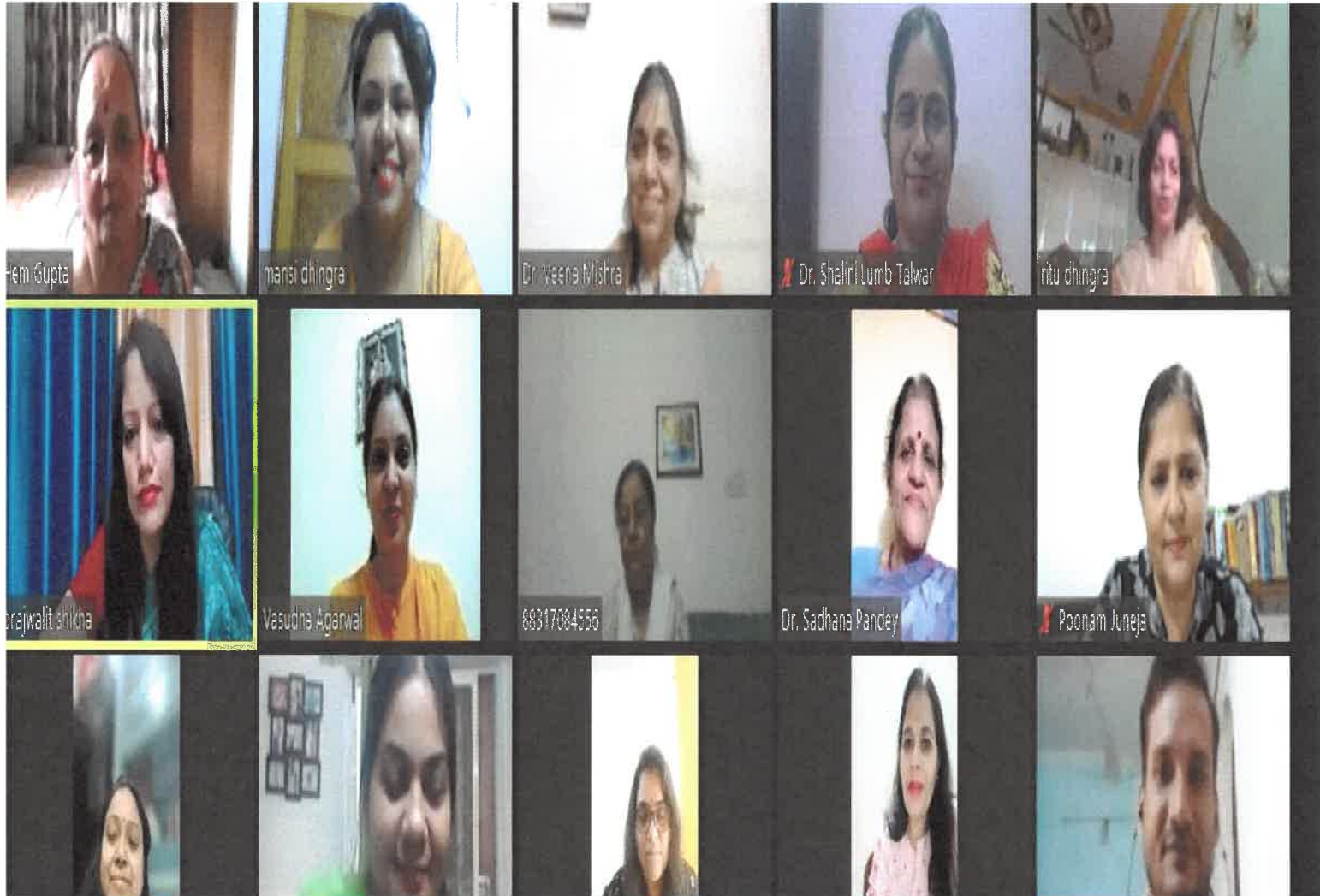


The program started with a welcome to the esteemed speaker and the participants by Dr. Ritu Dhingra. She gave a presentation on the journey of life of Dr. Savita Dutta, former Principal,

Maitreyi College. This was followed by an address by the Principal Prof. Haritma Chopra who felicitated Prof. Deepak Pental and apprised everyone about the research being carried out in the college. A brief introduction of Prof. Deepak Pental was also given by Dr. Ritu Dhingra. This lecture was attended by various participants which included present and retired faculty members, research scholars, students and family members of Dr. Savita Dutta.



Ritu Dhingra



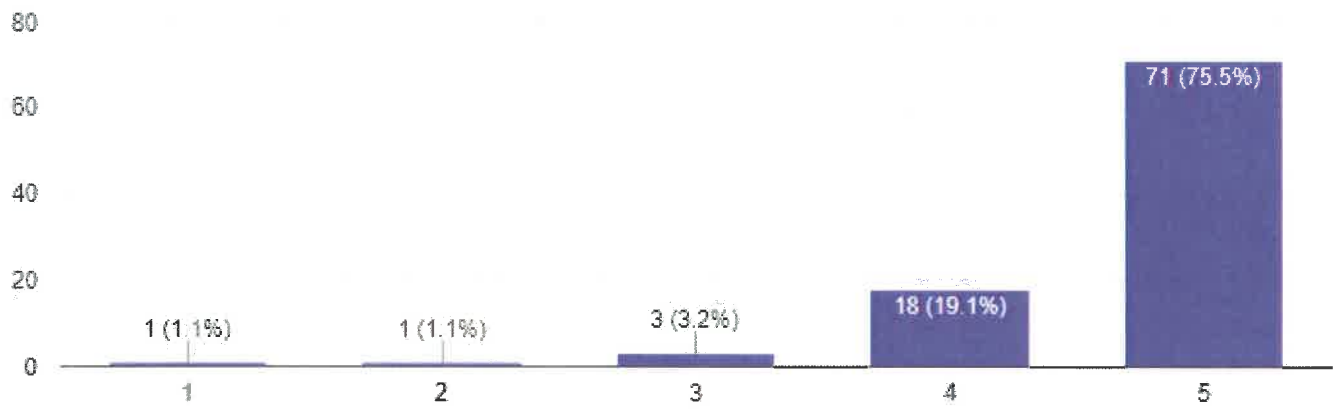
Ritu Dhingra

At the end of the lecture, Dr. Veena Mishra gave the vote of thanks to the chief guest who honored this occasion with his inspirational thoughts. She also thanked our honorable Principal, staff members, students and last but not least the audience for participating in this event. E-certificate were provided to all the participants and around 93 participants gave their feedback through Google forms. All participants rated this lecture more than 4 out of 5. Almost all the audience agreed that there was an enhancement in their knowledge after the lecture. Participants found the lecture very informative and were very enthusiastic to attend such lectures in future,

Dr. Veena Mishra

How do you rate this lecture on a scale of 1 to 5

94 responses

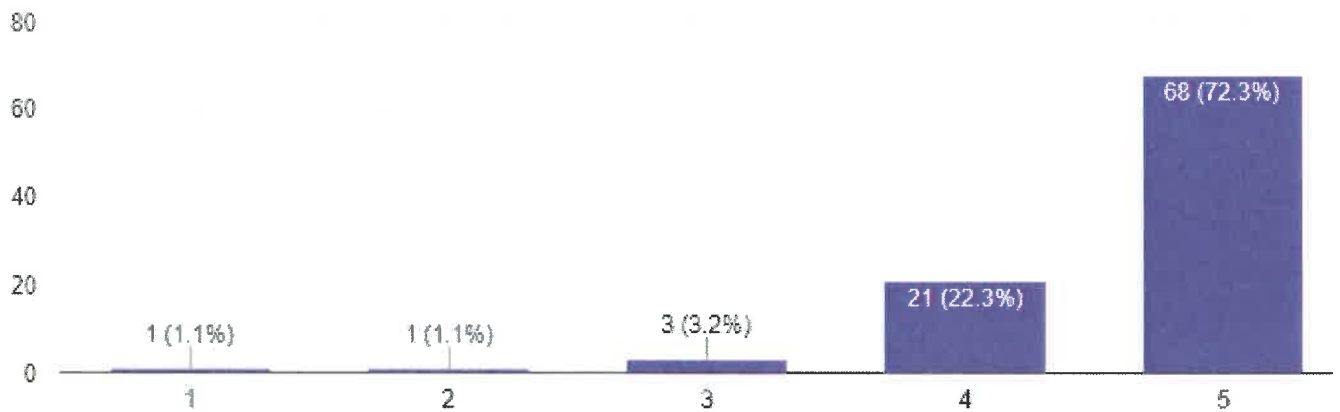


Ali Dyr

How do you rate your knowledge in this topic after attending the lecture?



94 responses



List of Participants

S.No	Email	Full Name (In capital letters)	Institution Name
1	smishra@maitreyi.du.ac.in	Savvi Mishra	Maitreyi College, DU

2	triranjita@gmail.com	Dr. Triranjita Srivastava	Kalindi College
3	Pyadav@maitreyi.du.ac.in	PARUL YADAV	Maitreyi College
4	rbbhanot@gmail.com	Rajni Bhanot	Maitreyi College, DU
5	anilchhillar91@gmail.com	Anil chhillar	Anil Chhillar
6	pjuneja@maitreyi.du.ac.in	DR POONAM JUNEJA	MAITREYI COLLEGE, DU
7	slumb@maitreyi.du.ac.in	Shalini Lumb Talwar	Maitreyi College, DU
8	nishthabharti893@gmail.com	NISHTHA BHARTI	Maitreyi College
9	rishikamittal06@gmail.com	RISHIKA MITTAL	Maitreyi college of women, DU
10	bhawnav128@gmail.com	BHAWNA VERMA	Maitreyi college, DU
11	thakurdiksha434@gmail.com	DIKSHA THAKUR	Maitreyi College, DU
12	shivanisinghbdn2003@gmail.com	SHIVANI SINGH	Maitreyi College, DU
13	snehasanjaysirohi@gmail.com	Sneha	Maitreyi College
14	sakshidadheech123@gmail.com	SAKSHI DADHEECH	Maitreyi College DU
15	kommiripoojitha1234@gmail.com	POOJITHA KOMMIRI	Maitreyi college
16	jangravinisha@gmail.com	Vinisha	Maitreyi college
17	harshitakhandelwal967@gmail.com	Harshita Khandelwal	Maitreyi college, DU
18	20043563010@maitreyi.du.ac.in	ARTI	Maitreyi College, DU
19	sharmavaishali0102@gmail.com	VAISHALI SHARMA	Maitreyi College , DU
20	nehdeswal@gmail.com	NEHA DESHWAL	Maitreyi College, DU

21	sunandajha772@gmail.com	Sunanda	Maitreyi college DU
22	Shivamsharma20926@gmail.com	SHIVAM SHARMA	Maitreyi college DU
23	Shiwani3082001@gmail.com	SHIWANI	Maitreyi college
24	vgoel@maitreyi.du.ac.in	Dr. VERSHA GOEL	Maitreyi College, DU
25	dhekprabha@gmail.com	PRABHA DHEK	Maitreyi college
26	preetinuniwal@gmail.com	PREETI	Maitreyi college , DU
27	poonikhushi7@gmail.com	KHUSHI POONIA	Maitreyi College,DU
28	prakitibhuner@gmail.com	PRAKRITI CHOUDHARY	Maitreyi College,DU
29	mksdav2020@gmail.com	Dr. Manoj Kumar Srivastava	Department of Physics, DAV PG College, Gorakhpur, UP
30	soniachahar9588@gmail.com	SONIA	Maitreyi college, DU
31	himaniyadav230@gmail.com	Himani Yadav	Maitreyi College, DU
32	purnimawadhwa685@gmail.com	PURNIMA	Maitreyi College, DU
33	tanuyadvkk@gmail.com	TANU	Maitreyi college (DU)
34	jamunashankarp@gmail.com	Jamuna Shankar Pal	Maitreyi College
35	luni@maitreyi.du.ac.in	LUNI	Maitreyi College
36	radhika@maitreyi.du.ac.in	RADHIKA VERMA	Maitreyi College
37	urvashisangrola@gmail.com	URVASHI SANGROLA	maitreyi college, DU
38	Saijalsingh9568@gmail.com	SAIJAL	Maitreyi college DU

Autu

39	nchauhan@maitreyi.du.ac.in	Nirmala Chauhan	Maitreyi College DU
40	tanishabachchani05112002@gmail.com	Tanisha	Maitreyi College, DU
41	yashwanianand7@gmail.com	Yashwani	Maitreyi college DU
42	ishiarshi@gmail.com	Ishita Arora	Maitreyi DU
43	mansi6.tewatia@gmail.com	MANSI TEWATIA	Maitreyi college
44	sharmila12012002@gmail.com	SHARMILA	Maitreyi College,DU
45	aasthaaggarwal82183@gmail.com	AASTHA AGARWAL	Maitreyi college, DU
46	neha.singh0500@gmail.com	NEHA SINGH	Maitreyi College, DU
47	kanojiakritika22@gmail.com	KRITIKA KANOJIA	Maitreyi College, DU
48	Simratkaur22002@gmail.com	SIMRAT KAUR NANDA	MAITREYI COLLEGE, DU
49	nancysonak123@gmail.com	NANCY DEVI	Maitreyi college ,DU
50	poojaydv60@gmail.com	POOJA KUMARI	Maitreyi College ,DU
51	tanujholri@gmail.com	TANU	Maitreyi college, DU
52	suman	SUMAN	MAITREYI COLLEGE
53	dhimandeepali54@gmail.com	DEEPALI DHIMAN	Maitreyi College DU
54	akumar2280@gmail.com	Amit Kumar Verma	Maitreyi College (DU)
55	achandra@maitreyi.du.ac.in	ATIKA CHANDRA	MAITREYI COLLEGE
56	akankshabaranwal470@gmail.com	Akanksha Baranwal	Maitreyi College, DU

Ati

57	anjalitripathi15112001@gmail.com	ANJALI	Maitreyi college DU
58	nimishasagar05@gmail.com	NIMISHA SAGAR	Maitreyi College DU
59	harshitarathi720@gmail.com	Harshita	Maitreyi college,DU
60	poojamaan1811@gmail.com	Pooja Maan	Maitreyi College ,DU
61	jprasad.vishwakarma@gmail.com	JAGDISH PRASAD	Maitreyi College
62	nidhirana32000@gmail.com	NIDHI RANA	Maitreyi college, DU
63	Kholasakshi@gmail.com	SAKSHI YADAV	Maitreyi college , DU
64	sharanyarenjit@gmail.com	Sharanya Renjit	Maitreyi College DU
65	avadakan@maitreyi.du.ac.in	Dr ALKA B VADAKAN	MAITREYI COLLEGE, DU
66	nehadhingra609@gmail.com	NEHA	Maitreyi College, DU
67	chauhanvishakha216@gmail.com	VISHAKHA	DU
68	dikshasharma22284@gmail.com	DIKSHA SHARMA	Maitreyi college, DU
69	manishakamania2@gmail.com	MANISHA	Maitreyi college, DU
70	kiranyadav123027@gmail.com	Kiran Yadav	Maitreyi College, DU
71	Lambahemant12345@gmail.com	HEMANT LAMBA	Maitreyi college
72	nidhisingh91027@gmail.com	Nidhi	Maitreyi College, DU
73	nishchaysaini5@yahoo.com	Nishchay Saini	Maitreyi college
74	1sd9sb65@gmail.com	Saturday Singh	Maitreyi College
75	r7k9cm@gmail.com	RAVI KUMAR	MAITREYI COLLEGE
76	sachdevapayal10@gmail.com	PAYAL SACHDEVA	Maitreyi College (DU)

77	Dhanka89@gmail.com	RINKU	Maitreyi College
78	dhanag2000@gmail.com	GARVITA DHANAWAT	Maitreyi College , DU
79	ranimamta11534@gmail.com	MAMTA	Maitreyi College
80	dpkyadav001@gmail.com	Deepak yadav	Maitreyi college
81	anchalpandey422@gmail.com	Anchal Pandey	Maitreyi college,DU
82	moomalsikar2004@gmail.com	Moomal	Maitreyi College Dehli University
83	tanubondwal55@gmail.com	TAMANNA	Maitreyi College, DU
84	srjain@maitreyi.du.ac.in	DR SWAPNA RAY JAIN	DU
85	vagarwal@maitreyi.du.ac.in	VASUDHA AGARWAL	Maitreyi college
86	vaishalibagauli@gmail.com	VAISHALI BAGAULI	Maitreyi College, DU
87	akumar7@maitreyi.du.ac.in	Ajay Kumar	Maitreyi College, DU
88	aswalshreya.227@gmail.com	SHREYA ASWAL	MAITREYI COLLEGE
89	mansidhingra84@gmail.com	MANSI DHINGRA	Maitreyi College, DU
90	pbiswas@maitreyi.du.ac.in	POLLY BISWAS	Maitreyi College, DU
91	nsingh1@maitreyi.du.ac.in	Dr. Neelam Singh	Maitreyi College DU
92	srjain@maitreyi.du.ac.in	DR SWAPNA RAY JAIN	Maitreyi College
93	pshikha@maitreyi.du.ac.in	PRAJWALIT SHIKHA	Maitreyi College, DU
94	du.m0202@gmail.com	Manish Kumar	Maitreyi college DU

Dr. Neelam Singh



Dr. Ritu Dhingra

Convenor and

TIC, Department of Physics

(2021-22)

Event: An Online Extempore Competition

Date: 27th October, 2021

Time: 10.30 A.M.

Platform: Google Meet

Link: <https://meet.google.com/sws-pjip-fvi>

No. of the Participants: 35

“You can speak well if your tongue delivers the message of your heart:

Extempore is an excellent way to assist the students not only in spontaneous thinking but also in asserting their creative ideas with precision, logical thinking and reasoning ability’. It is indeed an excellent training exercise for future leaders.

On 27th October 2021 an 'Online Intercollege Extempore Competition' was organised by the Scintillations, the Physics Society of Maitreyi College through Google platform. Students from various colleges and universities not only participated in the event but astonished the audience and judges with their thoughts and insights. The speakers were fluent and articulate while presenting their unscripted matter.

There were two rounds in this competition and only five participants were selected for the second round. The rules were the same for both the rounds. Each participant was given one minute for preparing the content and two minutes for speaking. Participants were required to switch on their cameras while speaking. The parameters for the judgment were the content, fluency, confidence and presentation. The finalists displayed their oratory skills with enthusiasm.

The prize winners for this event were:

1st :- Deepika (Hindu College)

2nd :- Ananya (Sri Aurobindo College (M))

3rd:- Isha Kalra (Maitreyi College)

The competition concluded successfully with great words of encouragement and appreciation from both the judges Dr.Prajwalit Shikha and Dr. Parul Yadav and the convenor of the event, Dr. Ritu Dhingra. In all 35 audience filled up the feedback form and 95%of them were satisfied with the event and almost all of them wanted to attend such events in future





The competition concluded successfully with great words of encouragement and appreciation from both the judges. Dr.Prajwalit Shikha and Dr. Parul Yadav and the convenor of the event, Dr. Ritu Dhingra. In all 35 audience filled up the feedback form and 95%of them were satisfied with the event and almost all of them wanted to attend such events in future

Dr. Ritu Dhingra

(TIC, Department of Physics)

Level: College Level

Date : 14-11-2021

Name of the organizing Department: Department of Physics

Name of the convenor of the event: Dr. Ritu Dhingra

Link for the session: <https://meet.google.com/pzt-gauz-emj>

Total Number of the beneficiaries (with relevant proofs): 46

Number of the beneficiaries from college:46

Alumni Interaction on Career Counselling

Department of Physics, Maitreyi College organised a career counseling session on Nov 14, 2021 on google meet platform for the students of Physics Honours and Physical Science. In all forty six students attended this interaction event. Two of our invited distinguished alumni were:

1. Ms. Mani Khurana- Scientific Officer, Bhabha Atomic Research Centre and
2. Ms. Tusha- Vigyan Prasar, Department of Science and Technology

The event started with the welcome of both the alumni by Dr Prajwalit Shikha. After giving a brief introduction Ms. Tusha was first invited to interact with students. She emphasized to students to have the right attitude towards a particular goal, keep on applying for various internships, and look for various avenues available at particular online sites. She also guided her juniors to build various skills required for a particular career etc.

Ms. Mani talked about how she undertook her journey from Maitreyi to Bhabha Atomic Research Centre which was full of struggle. She said that any hardship could be overcome with determination and hard work.



CAREER COUNSELLING

by our
Distinguished Alumni

November 14, 2021
Via Google Meet

Ms. Tusha
Project Associate

Vigyan Prasar
Department of
Science &
Technology



**Ms. Mani
Khurana**
Scientific Officer

Bhabha Atomic
Research
Centre



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The students had various queries which were answered by both Mani and Tusha. The students had some common questions regarding the importance of getting admission in a big institute for success and the right ways of looking for career opportunities. Mani also gave some tips on how to prepare for national level exams like GATE, JAM, JEST etc. and the importance of clearing these exams.

Both the alumni shared their contacts with the students and invited them to send their queries via mail for future communication.

Following are a few chats shared by the audience

1646_P_VaishaliSharma: Thankyou mam , for such an informative session . Mam you used a word " data analysis" . It is just a general query , that can a physics student do masters in Data analysis/science if we have interest in coding and how to get into it ?

Saranya R P: how is the physics department of other central universities like jnu, bhu etc.

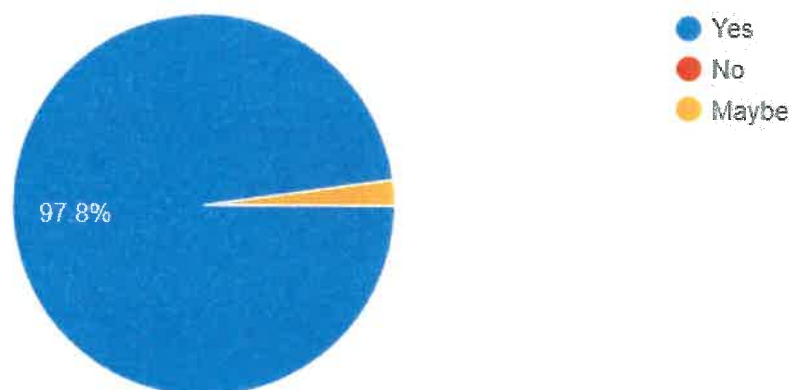
843_P Pranshi Mathur: Hello, I'm Pranshi and I'm in second year right now. I'm very interested in the fields of astrophysics and also in particle physics. So what can I do to prepare for these internship projects and further research projects in the future? How should I study?

The students were very happy to get a chance to interact with their own old college seniors and asked for more events of similar kind in future. With the vote of thanks by Dr. Ritu Dhingra the session was concluded.

A feedback form was circulated among students and their responses were recorded. Students liked the event and recommended more such interactions. They could relate themselves with much more openness with their seniors. Almost all students were satisfied with the event and rated the event between 4 and 5 on a scale of 5. Following are the responses of the feedback form.

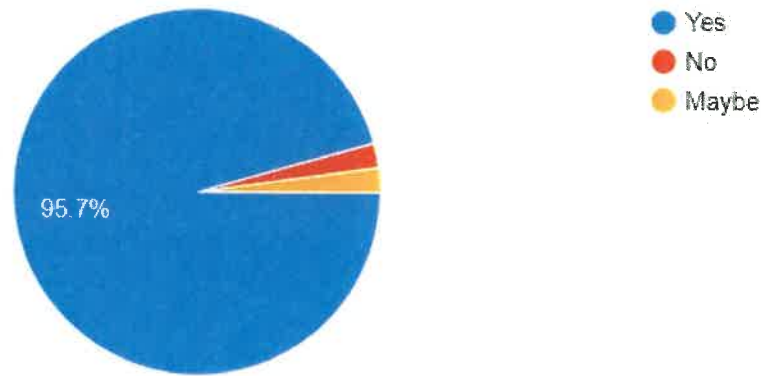
Was the session useful for you?

46 responses



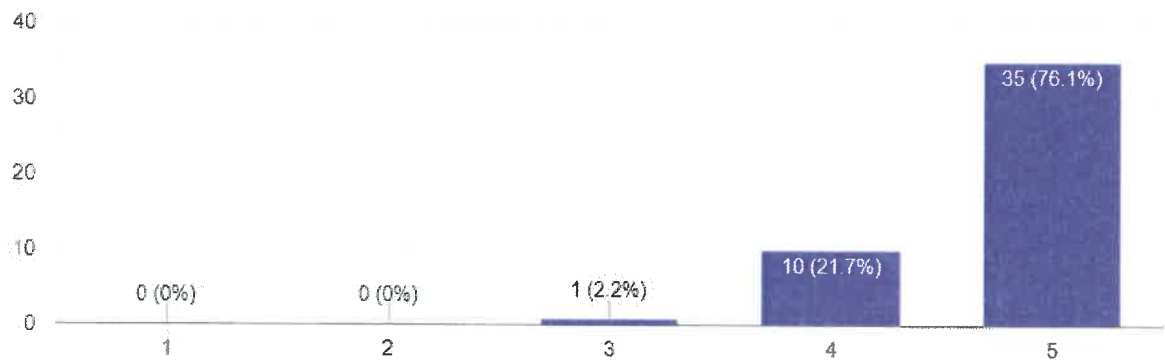
Will you like such interactions to be conducted more frequently?

46 responses



How do you rate the overall interaction on a scale of 5 with 5 being the highest score?

46 responses



Significance of the event : Career Counselling

List of the beneficiary Students:

S.No.	Name	Roll Number	Course
1	NISHA	1235	B. Sc. Physical Sciences 3rd year
	Sakshi		
2	Dadheech	1607	B.Sc.(H) Physics- 2nd year
	Vaishali		
3	Sharma	1646	B.Sc.(H) Physics- 2nd year
4	Tanu	19/1395	B.Sc.(H) Physics- 3rd year
	SHREYA		
5	ASWAL	19/1645	B.Sc.(H) Physics- 3rd year
	Garvita		
6	Dhanawat	19/1426	B.Sc.(H) Physics- 3rd year
7	Nidhi Rana	1707	B.Sc.(H) Physics- 3rd year
	Sharanya		
8	Renjit	1259	B.Sc.(H) Physics- 2nd year
9	Anvi Malik	1604	B.Sc.(H) Physics- 2nd year
10	Himani Yadav	1567	B.Sc.(H) Physics- 2nd year
11	Gunjan	19/1747	B.Sc.(H) Physics- 3rd year
12	MANISHA	19/433	B.Sc.(H) Physics- 3rd year
13	Nimisha sagar	2110	B.Sc.(H) Physics- 2nd year
	Payal		
14	Sachdeva	19/1216	B.Sc.(H) Physics- 3rd year
15	Sakshi	1244	B.Sc.(H) Physics- 3rd year
16	Avantika	19/1404	B.Sc.(H) Physics- 3rd year
17	Akshita Tyagi	19/819	B. Sc. Physical Sciences 3rd year
	Priyanka		
18	Kumari	19/1685	B.Sc.(H) Physics- 3rd year
19	Vaishali Bagauli	2020/1600	B.Sc.(H) Physics- 2nd year
20	Sneha	19/1746	B.Sc.(H) Physics- 3rd year
21	Monika	1470	B.Sc.(H) Physics- 2nd year
22	Harshita	841	B.Sc.(H) Physics- 2nd year
	SIMRAT KAUR		
23	NANDA	1652	B.Sc.(H) Physics- 2nd year
24	Pranshi Mathur	843	B.Sc.(H) Physics- 2nd year
25	Khushi	19/1220	B.Sc.(H) Physics- 3rd year

26	Avnika Tyagi	1306	B.Sc.(H) Physics- 2nd year
27	Khushi	19/1220	B.Sc.(H) Physics- 3rd year
28	Manisha	19/433	B.Sc.(H) Physics- 3rd year
29	Sonia	19/837	B.Sc.(H) Physics- 3rd year
30	Archana	1739	B.Sc.(H) Physics- 3rd year
31	Payal Sachdeva	19/1216	B.Sc.(H) Physics- 3rd year
32	Neha Singh	1792	B.Sc.(H) Physics- 3rd year
33	Sakshi dadheech	1607	B.Sc.(H) Physics- 2nd year
34	Monika	1470	B.Sc.(H) Physics- 2nd year
35	Saijal	2068	B.Sc.(H) Physics- 2nd year
36	Anjul	1883	B.Sc.(H) Physics- 2nd year
37	Mansi	1061	B.Sc.(H) Physics- 2nd year
38	Sharanya Renjit	1259	B.Sc.(H) Physics- 2nd year
39	Harshita	841	B.Sc.(H) Physics- 2nd year
40	Nimisha sagar	2110	B.Sc.(H) Physics- 2nd year
41	Neha	958	B.Sc.(H) Physics- 3rd year
42	Pooja Maan	19/766	B.Sc.(H) Physics- 3rd year
43	Priyanka Kumari	1685	B.Sc.(H) Physics- 3rd year
44	Tamanna	19/833	B.Sc.(H) Physics- 3rd year
45	Shivangi	1905	B.Sc.(H) Physics- 3rd year
46	Anchal pandey	19/0998	B.Sc.(H) Physics- 3rd year

Dr. Ritu Dhirgra
TIC, (2021-22)

Department of Physics

Online Orientation Programme

Level: College Level

Date : 22-11-2021

Name of the organizing Department: Department of Physics

Name of the convenor of the event: Dr. Ritu Dhingra

Total Number of the beneficiaries (with relevant proofs): 29

Number of the beneficiaries from college:29

Report:

An Online Orientation Programme was held for Ist year Physics Hons. students on 22nd November 2021 by the Department of Physics on Google Meet through the link meet.google.com/kby-tkqi-upx. The programme started with a welcome for the students. All the senior faculty members welcomed and addressed the students. The programme was in the form of a slide presentation which included an introduction with the faculty members of the department. Glimpses of the Physics Lab and infrastructure available in the department of Physics were also shown to the new entrants of the Department.

To encourage students to work hard they were apprised about the accomplishments of various alumni of the department. The details of the research projects undertaken by the students and faculty members in the college were also shared with our new students. A brief introduction of the Physics Society 'Scintillations' was also given to them They were also informed about several activities and annual festival 'Quest' organised by the department. The various outreach activities in which the senior students of second and third years were involved were also mentioned in this programme.

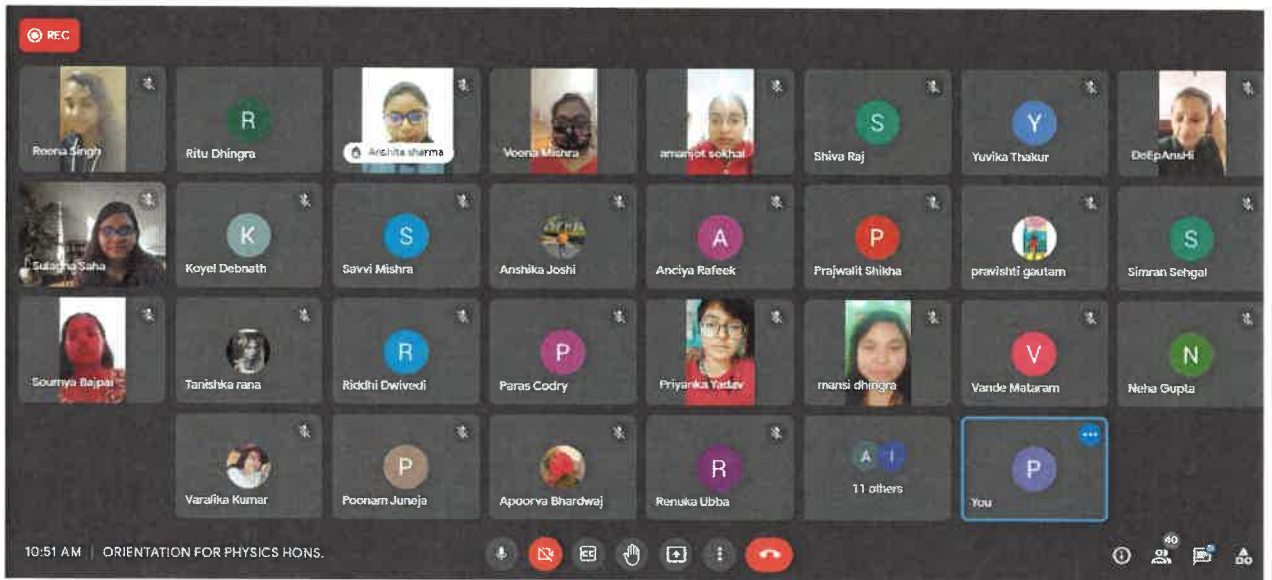
Students were also informed about the curriculum, various papers and options of the B.Sc. Hons. Physics course in detail. In the end their queries were addressed by the faculty members of the department.

A feedback form was also shared with the students in which they all were satisfied with the content and organisation of the event. All of them wanted more events to be organised by the department in future.

Online meeting link: meet.google.com/kby-tkqi-upx.

Geotagged photographs of the event (minimum 3)





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Significance of the event : Introduction to the Department of Physics

Ritu Dhangra

Dr. Ritu Dhangra
TIC, Department of Physics
Maitreyi College

Event; **VIGYAN SARVATRA PUJYATE**

Level: National Level

Date : 25-02-2022

Name of the Organising Body: Office of the PSA and Ministry of Culture

Name of the participating Department: Department of Physics

Name of the convenor of the event: Dr. Ritu Dhingra

Number of the beneficiaries from college: 75

Report:

VIGYAN SRVATRA PUJYATE

The students of the Physics department visited the 'Vigyan Sarvatra Pujyate' festival organised by the office of PSA and Ministry of Culture held at JawaharLal Nehru Stadium, on 25th February 2022. The events were a part of 'a glorious week of Science and Technology' which featured lectures, exhibits, performances, and interactive activities that encouraged the students to learn and appreciate the advancements in science and technology. Our students attended a lecture by Tessy Thomas, the first ever woman scientist to head a missile project in India (and thereby is known as the 'missile woman of India') . The lecture featured a detailed account of the technological advancements made by our country in the last 70 years, specifically focusing on the Agni-IV missile developed by DRDO. It was a really inspiring talk which motivated students to make important scientific contributions in the future.

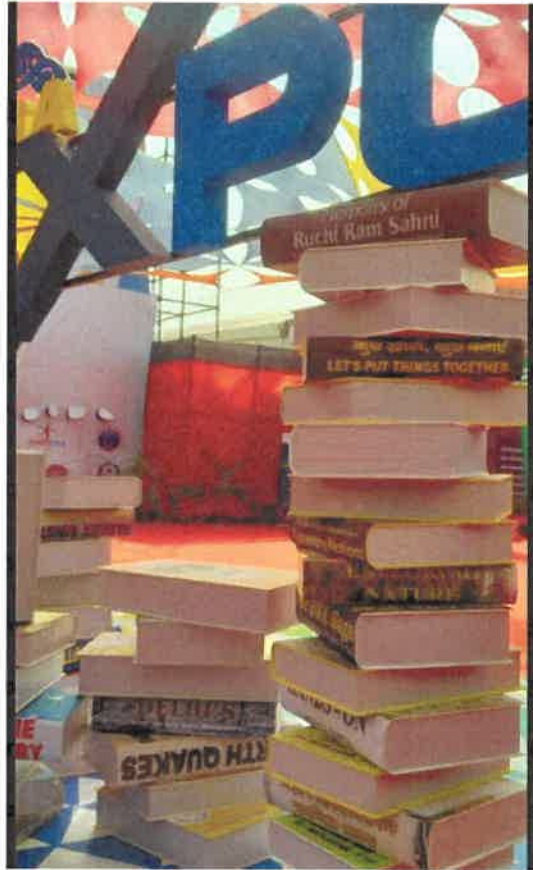
They also visited a Science Book Fair which showcased a variety of books on science for different ages and in multiple

languages as well. In addition, they also enjoyed a magic show and other such interactive activities.

The decor of the festival featured pictures and information on various scientists as well as on books. Also, there was an expo featuring different science-related work being conducted by different Ministries of the government.



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LIST OF STUDENTS

DATED: 25TH FEBRUARY 2022

REGISTRATION FOR LECTURE PROGRAMME

TIME: 03:00-04:00 PM

THEME: Swadeshi-Paramparik Inventions and Innovations

TITLE: Invention and Innovations in Science and Technology

EXPERT SPEAKER: Dr. Tessa Thomas, Director General (Aeronautical Systems), DRDO, Bengaluru

Sr. No.	Name of Participant	Affiliation/College Name	Email	Mobile No.	Signature
1.	Archana	Maitreyi College	sekitinanzwara9@gmail.com	9448549536	Archana
2.	Neha Singh	Maitreyi College	neha.singh050@gmail.com	9969827318	Neha
3.	Neha Deshpande	Maitreyi College	mehdeshpande@gmail.com	939684429	Neha
4.	Khushi	Maitreyi College	pratikkhushi7@gmail.com	93794000	Khushi
5.	Anjali	Maitreyi College	anjaliipathi15112000@gmail.com	9958780663	Anjali
6.	Garvita	Maitreyi College	ghanag2000@gmail.com	9810246883	Garvita
7.	Snaha	Maitreyi College	snaha.sanyal.sinha@gmail.com	954873387	Snaha
8.	Priyanka Kumari	Maitreyi College	kumari989118@gmail.com	9891185626	Priyanka
9.	Manisha	Maitreyi College	manishakumari2@gmail.com	9350045277	Manisha
10.	Bhanna	Maitreyi College	vikrambhannayaluv@gmail.com	917804471	Bhanna
11.	Sonia	Maitreyi College	soniacharya2000@gmail.com	958890889	Sonia
12.	Pooja Maam	Maitreyi College	poojamam1811@gmail.com	8829770499	Pooja
13.	Avantika	Maitreyi College	avantikayadav2000@gmail.com	9892189524	Avantika
14.	Nidhi Rana	Maitreyi College	nidhirana32000@gmail.com	9506228436	Nidhi
15.	Sonia	Maitreyi College	deshwalsonia60@gmail.com	8307829917	Sonia
16.	Klazika	Maitreyi College	klazika.dhiman@gmail.com	988238365	Klazika
17.	Sananya R Prasad	Maitreyi College	sananyarp@yaho.com	9495948311	Sananya
18.	Ritika Kichloo	Maitreyi College	ritika.kichloo2480@gmail.com	9319952330	Ritika
19.	Shivani Singh	Maitreyi College	shivani.singh12000@gmail.com	8218935629	Shivani
20.	Purnima	Maitreyi College	purnimawadhwa485@gmail.com	9729548201	Purnima
21.	Shivangi	Maitreyi College	shivangi.verma.182001@gmail.com	9999562660	Shivangi
22.	Deepali	Maitreyi College	dhimandeepali54@gmail.com	9860005890	Deepali
23.	Yogita	Maitreyi College	yogitasharma3402@gmail.com	2001650302	Yogita

ht

REGISTRATION FOR LECTURE PROGRAMME

DATED: 25TH FEBRUARY 2022

TIME: 03:00-04:00 PM

THEME: Swadeshi-Paramparik Inventions and Innovations

TITLE: Invention and Innovations in Science and Technology

EXPERT SPEAKER - Dr. Tessa Thomas, Director General (Aeronautical Systems), DRDO, Bengaluru

Sr. No.	Name of Participant	Affiliation/College Name	Email	Mobile No.	Signature
1	Hanvita	Maitreyi college	hanvita123@gmail.com	978997774	Hanvita
2	Shamika	Maitreyi college	shamika1202002@gmail.com	8287388850	Shamika
3	Tanu	Maitreyi college	tanujha121@gmail.com	9518860970	Tanujha
4	Pooja Kumari	Maitreyi College	poojaydv60@gmail.com	9899354331	Pooja Kumari
5	Priyanka Kumari	Maitreyi College	priyankaksharona1432@gmail.com	9971965526	Priyanka Kumari
6	Vinusha	Maitreyi college	vinusha123@gmail.com	9225103106	Vinusha
7	Monika	Maitreyi college	monikasuthar880@gmail.com	7206552709	Monika
8	Simrat Kaur	Maitreyi college	simratkaur12003@gmail.com	8487284313	Simrat Kaur
9	Vaishali Bagauli	Maitreyi college	vaishalibagauli@gmail.com	7302779517	Vaishali
10	Bhavana	Maitreyi college	bhavana12008@gmail.com	807715126	Bhavana
11	Vaishali Sharma	Maitreyi college	vaishalisharma1201@gmail.com	9877077908	Vaishali
12	Smita Singh	Maitreyi college	smita123@gmail.com	8851077370	Smita
13	Sanskriti Dandekar	Maitreyi college	sanskritidandekar@gmail.com	9958881630	Sanskriti
14	Ravina	Maitreyi College	ravinaksharwal129@gmail.com	8377981500	Ravina
15	Urvashi Chugh	Maitreyi college	urvashichugh@gmail.com	8974532359	Urvashi
16	Pranali M	Maitreyi college	pranali123@gmail.com	9873660838	Pranali
17	Preeti	Maitreyi college	preetimurugan@gmail.com	930618915	Preeti
18	Bhavana Varma	Maitreyi college	bhavanav123@gmail.com	9711379371	Bhavana
19	Nimisha Sagar	Maitreyi College	nimishasagar05@gmail.com	7048948226	Nimisha
20	Shruti Chaturvedi	Maitreyi college	shruti121@gmail.com	7651677759	Shruti
21	Bhavana Jorgid	Maitreyi college	jorgidbhavana12@gmail.com	8950761911	Bhavana
22	Aarti Malik	Maitreyi college	aartimalik123@gmail.com	9356014907	Aarti
23	Pranjali Nayak	Maitreyi college	nayakpranjali91@gmail.com	8462961488	Pranjali

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DATED: 25TH FEBRUARY 2022

REGISTRATION FOR LECTURE PROGRAMME

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THEME: Swadeshi-Paramparik Inventions and Innovations

TITLE: Invention and Innovations in Science and Technology

EXPERT SPEAKER: Dr. Tessy Thomas, Director General (Aeronautical Systems), DRDO, Bengaluru

Sr. No.	Name of Participant	Affiliation/College Name	Email	Mobile No.	Signature
1.	Anchara	Maitreyi College	sakshinaware9@gmail.com	9448549556	Anchara
2.	Neha Singh	Maitreyi College	neha.singh.0500@gmail.com	9969827315	Neha
3.	Neha Dashrath	Maitreyi College	nehadashrath@gmail.com	9396844241	Neha
4.	Khushi	Maitreyi College	poonakkhushi7@gmail.com	637074000	Khushi
5.	Ayali	Maitreyi College	anaitipathi15112001@gmail.com	9958780663	Ayali
6.	Garvita	Maitreyi College	dhruv2000@gmail.com	9810246883	Garvita
7.	Sneha	Maitreyi College	snehasanjayk@rediffmail.com	9548173387	Sneha
8.	Priyanka Kumari	Maitreyi College	kumari989118@gmail.com	9891185626	Priyanka
9.	Manisha	Maitreyi College	manishakumar02@gmail.com	9350045277	Manisha
10.	Bhavana	Maitreyi College	nikunabhavayadav@gmail.com	8175044371	Bhavana
11.	Sonia	Maitreyi College	soniacharya2000@gmail.com	9588690889	Sonia
12.	Pooja Maan	Maitreyi College	poojamaan1811@gmail.com	8829770999	Pooja
13.	Avantika	Maitreyi College	avantikayadav023@gmail.com	989189824	Avantika
14.	Nidhi Rana	Maitreyi College	nidhirana3200@gmail.com	9506228436	Nidhi
15.	Sonia	Maitreyi College	deshwalsonia06@gmail.com	8307829917	Sonia
16.	Klazika	Maitreyi College	raziika@gmail.com	9882383615	Klazika
17.	Saranya R Prasad	Maitreyi College	saranyarpr@gmail.com	9495948311	Saranya
18.	Ritika Kichloo	Maitreyi College	ritika.kichloo248@gmail.com	9319952350	Ritika
19.	Shivani Singh	Maitreyi College	shivansingh1202@gmail.com	828935629	Shivani
20.	Purnima	Maitreyi College	purnimawadhwa185@gmail.com	9729548204	Purnima
21.	Shivangi	Maitreyi College	shivangiverma122001@gmail.com	9999562660	Shivangi
22.	Deepali	Maitreyi College	dhruvdeepali51@gmail.com	9862005840	Deepali
23.	Yogita	Maitreyi College	yogitasharma3402@gmail.com	2001656502	Yogita



Ritu Dhingra

Dr. Ritu Dhingra

TIC, (2021-22)

Department of Physics

Event; IUAC -WEBINAR AND VIRTUAL VISIT ON NATIONAL SCIENCE DAY

Level: College Level

Date : 28-02-2022

Name of the organizing Body; IUAC

Name of the participating Department: Department of Physics
Link of the Meeting:

[://iuac.webex.com/iuac/j.php?MTID=m0088a801ff9a952a11fc0b0b85297680](https://iuac.webex.com/iuac/j.php?MTID=m0088a801ff9a952a11fc0b0b85297680)

Name of the convenor of the event: Dr. Ritu Dhingra

Number of the beneficiaries from college:16

Report:

IUAC WEBINAR AND VIRTUAL VISIT

On the occasion of the National Science Day, Inter University Accelerator Centre (IUAC), New Delhi organized an open house wherein students of B.Sc. Honours Physics were invited to interact with an eminent Physicist/Scientist of the country. The students were also given a virtual tour of the accelerator and the experimental facilities at IUAC to spread an awareness about the accelerator based research going on in the country and inspire them to pursue a career in Physics. However, due to the ongoing COVID 19 pandemic the program was organized in a virtual mode..

The online programme commenced at 10:30 A.M.. on Monday, 28th February 2022 and was hosted on the Cisco Webex platform. Only a maximum of 15 students of B.Sc. Physics along with a faculty member were invited for this event.



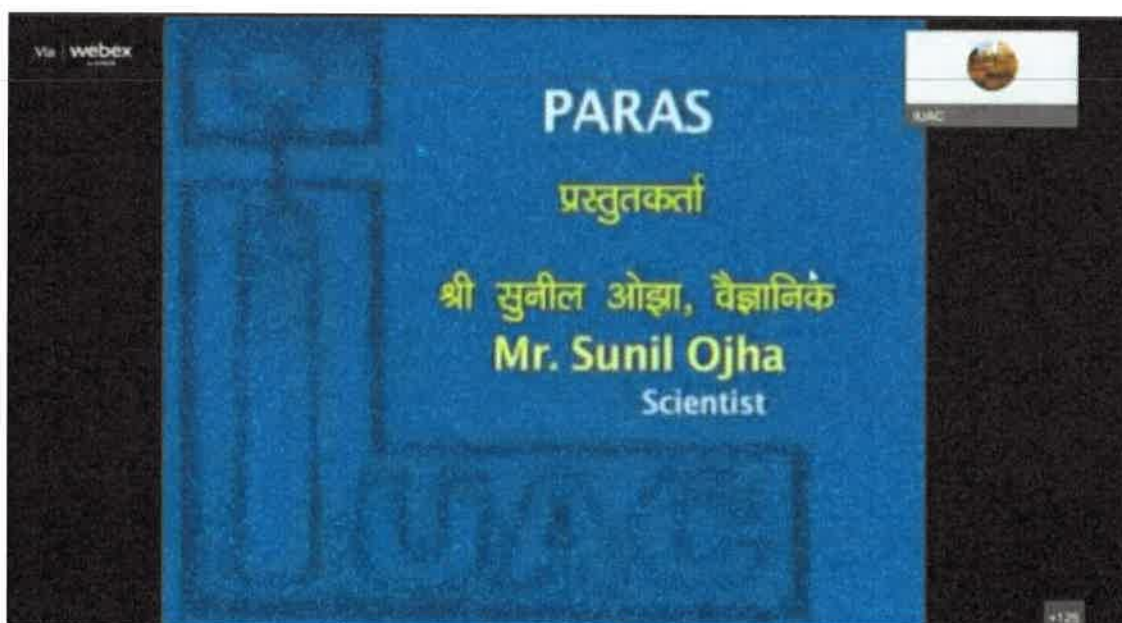
The event commenced with a welcome address by Prof. Avinash Chandra Pandey, Director, IUAC. He started with a few words on Sir C.V Raman and a brief introduction of IUAC facilities. He gave insights into the Raman effect and Raman scatter. He also explained about the phenomenon of nuclear fusion, and talked about moving towards a nuclear weapon free world.

The keynote speaker, Prof. Ashoke Sen, ICTS-Infosys Madhava Chair Professor, International Center for Theoretical Sciences, Bengaluru gave a talk on the topic 'Future of our universe.'

This was followed by a virtual lab tour of the IUAC, where the students were shown the particle accelerators and a few experimental facilities of IUAC. Also Pelletron control room, Linear Accelerator(LINAC), Hybrid Recoil Mass Analyzer(HYRA) and Indian National Gamma Array(INGA) were also virtually showcased to the students..

The session was educational and inspirational and a good learning opportunity for all the students and teachers alike.

This was followed by the vote of thanks and our National anthem.



Sunil Ojha

Visa | webex

Indian National Gamma Array
(INGA)
प्रस्तुतकर्ता
डॉ. आर.पी.सिंह, वैज्ञानिक
Dr. R. P. Singh
Scientist

BS
Raj Sharma

+128

R.P.S.

via webex

High Current Injector (HCI)

प्रस्तुतकर्ता
डॉ. राजेश हरिवाल, वैज्ञानिक
Dr. Rajesh Hariwal
Scientist

147

via webex

Hybrid Recoil Mass Analyzer (HYRA)

प्रस्तुतकर्ता
डॉ. एन.माधवन, वैज्ञानिक
Dr. N. Madhavan
Scientist

136

Dr.

via webex

मैटेरियल्स साइंस (बीम हॉल-II)
Materials Science(Beam Hall-II)

प्रस्तुतकर्ता
डॉ. अम्बुज त्रिपाठी, वैज्ञानिक
Dr. Ambuj Tripathi
Scientist

148

Dr. Ritu Dhingra

TIC, (2021-22)

Department of Physics

Event: Why Masters after Honours in Physics

Venue: NSB 28. Maitreyi College

Level: College Level

Date: -March 2, 2022

Name of the organizing Department: Department of Physics, Maitreyi College

Name of the convener of the event: Dr. Ritu Dhingra

Total Number of the beneficiaries (with relevant proofs):

Poster of the event:



 **Department of Physics** 
Maitreyi College
University of Delhi
presents

ALUMNA MEET

**Why Masters after
Honours in Physics?**

Date: March 2, 2022
TIME: 9:30 AM
VENUE: NSB 28

Ms Deepika Yadav
Batch : 2011-14

Convenor: Dr. Ritu Dhingra
Student Coordinators: Preeti, Sharanya Renjit,
Urvashi Sangrola



An alumni meet was organised by the department of physics on the theme 'Why Masters after Honours in Physics' in which young minds of Bsc.(Honours) Physics got an enriching session with their alumna Ms. Deepika Yadav, who is currently a mentor at UNIGOOD and pursuing her PhD from University of Edinburgh. She walked the students through her journey with Physics and her experiences. She talked about various options available after graduation and why one should opt for masters after completing the bachelor degree. She also provided information about various universities, institutions, courses and exams and to proceed with the same.

The enthusiastic students were curious about career prospects mentioned by Ms. Deepika. She gave an elaborative account of all the prospectus of higher education. All the queries of inquisitive students were satisfied by the guest speaker.

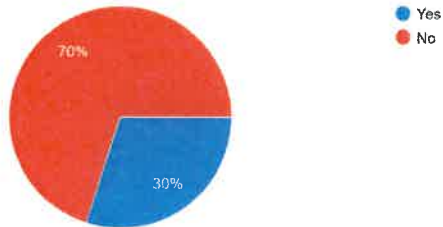
Before bidding a goodbye to the budding minds Ms. Deepika advised them to be a "normal pro Max insaan" that is, one who knows about the opportunities and is ready to grab them by putting his/her heart and soul into the same. The session was a big success and useful for the students which was reflected from the responses of the feedback.



DE

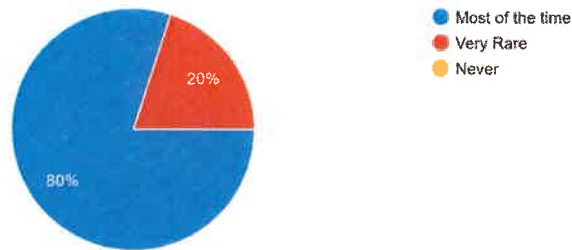
If you are interested in studying abroad (Master's and PhD), do you have source of information about how, when, and where to apply?

40 responses



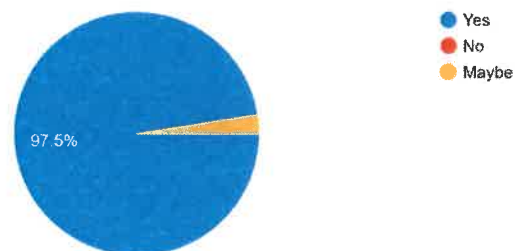
Do you sometimes feel lack of awareness, guidance and a mentor for your career choices?

40 responses



Would you recommend this session for the next incoming batch of BSc Physics?

40 responses



List of Students:

<u>S.No</u>	Name	Email Id	Class	College Name
1	Arushi Saxena	arushisaxena567@gmail.com	B.Sc.(H) IIInd year	Maitreyi college
2	Avnika Tyagi	avnikatyagi19@gmail.com	B.Sc.(H) IIInd year	Maitreyi College
3	Urvashi Sangrola	urvashisangrola@gmail.com	B.Sc.(H) IIInd year	Maitreyi College
4	Sharanya Renjit	sharyarenjit@gmail.com	B.Sc.(H) IIInd year	Maitreyi College
5	Renuka	ubbarenuka2003@gmail.com	B.Sc.(H) IIIrd year	Maitreyi College
6	Harshita	harshitarathi720@gmail.com	B.Sc.(H) IIInd year	Maitreyi college
7	Avantika	avantikaydv20002@gmail.com	B.Sc.(H) IIIrd year	Maitreyi college
8	Anshita sharma	anshitasharma9117@gmail.com	B.Sc.(H) IIIrd year	maitreyi college
9	Dhruvi Agrawal	dhruviagrawal1@gmail.com	B.Sc.(H) IIInd year	Maitreyi,DU
10	Preeti	preetinuniwal@gmail.com	B.Sc.(H) IIInd year	Maitreyi college
11	Shivani Singh	shivanisinghbdn2003@gmail.com	B.Sc.(H) IIIrd year	Maitreyi College
12	Monika	monikasuthar880@gmail.com	B.Sc.(H) IIInd year	Maitreyi college
13	Rishika Mittal	rishikamittal06@gmail.com	B.Sc.(H) IIInd year	Maitreyi college
14	Aastha Agarwal	aasthaagarwal82183@gmail.com	B.Sc.(H) IIInd year	Maitreyi College
15	Pooja kumari	poojaydv60@gmail.com	B.Sc.(H) IIInd year	Maitreyi College
16	Dipti Malik	rajvirrailway69@gmail.com	B.Sc.(H) IIIrd year	Maitreyi college
17	Isha patel	patelish1499@gmail.com	B.Sc.(H) IIIrd year	Maitreyi college
18	Vinisha	jangravinisha@gmail.com	B.Sc.(H) IIInd year	Maitreyi college
19	Bhavna	bhavna.d0808@gmail.com	B.Sc.(H) IIInd year	Maitreyi college
20	Tamanna	tanubondwal55@gmail.com	B.Sc.(H) IIIrd year	Maitreyi College

21	Khushi	pooniakhushi7@gmail.com	B.Sc.(H) IIIrd year	Maitreyi College
22	Jeau Mishr	jeaumishr@gmail.com	B.Sc.(H) Ist year	Maitreyi College
23	Tanu	tanuyadavkk@gmail.com	IB.Sc.(H) IInd year	Tanu
24	SIMRAT KAUR NANDA	simratkaur22002@gmail.com	B.Sc.(H) IInd year	MAITREYI COLLEGE
25	Nazika	nazikadhimaan@gmail.com	B.Sc.(H) IInd year	Maitreyi college,
26	Sweta singh	swetaveeru@gmail.com	B.Sc.(H) IInd year	Maitreyi college
27	Vaishali Bagauli	vaishalibagauli@gmail.com	B.Sc.(H) IInd year	Maitreyi College,
28	Himani Yadav	himaniyadav230@gmail.com	B.Sc.(H) IInd year	Maitreyi College,
29	Megha Bhardwaj	bhardwajmeghaa8@gmail.com	B.Sc.(H) IInd year	Maitreyi college
30	Pranjal Nayak	nayakpranjal91@gmail.com	B.Sc.(H) Ist year	Maitreyi College
31	Kirti Bhagia	kirtibhagia02@gmail.com	B.Sc.(H) IInd year	Maitreyi College
32	Ananya	ananyabishnoi2918@gmail.com	B.Sc.(H) Ist year	Maitreyi college
33	Soumya Bajpai	soumyabajpai2003@gmail.com	B.Sc.(H) Ist year	Maitreyi College
34	Anjali	anjalitripathi15112001@gmail.com	B.Sc.(H) IIIrd year	Maitreyi college
35	Amanjot	sokhalamanjot54@gmail.com	B.Sc.(H) Ist year	Maitreyi college
36	Sakshi dadheech	sakshidadheech123@gmail.com	B.Sc.(H) IInd year	Maitreyi college
37	Bhawna Verma	bhawnav128@gmail.com	B.Sc.(H) IInd year	Maitreyi college
38	Shiva raj	passionateshiva18@gmail.com	B.Sc.(H) Ist year	Maitreyi college
39	Vishakha	chauhanvishakha216@gmail.com	B.Sc.(H) IInd year	Maitreyi college
40	Garvita Dhanawat	dhanag2000@gmail.com	B.Sc.(H) IIIrd year	Maitreyi College



Dr. Ritu Dhingra
TIC, Department of Physics
Maitreyi College

Event: 'QUEST' Annual Fest of Department of Physics

Venue: Google meet platform

Level: National Level

Date: 15-04-2022

Name of the organizing Department: Department of Physics, Maitreyi College

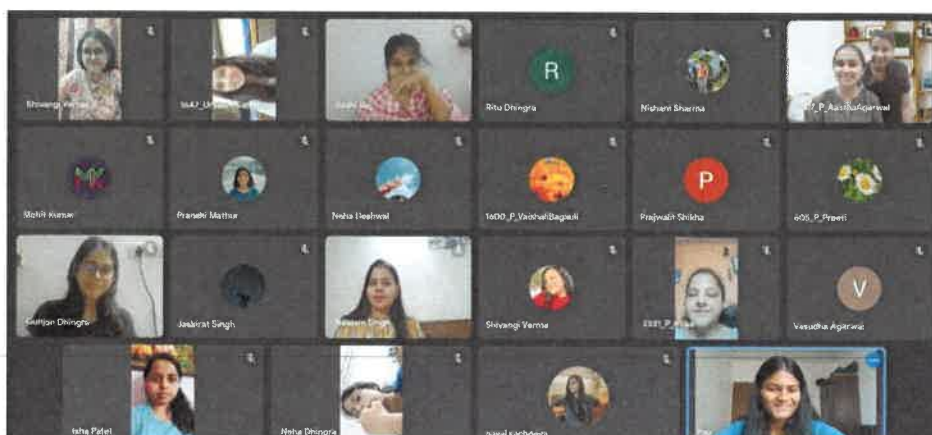
Name of the convener of the event: Dr. Ritu Dhingra

Total Number of the beneficiaries (with relevant proofs): 102

Poster of the event:



The Physics Society, 'Scintillations' of Maitreyi College organises its annual festival 'QUEST' every year and this year the event was conducted online on a holiday to involve maximum participation from all across the country. The event began with a welcome note by the event coordinator and teacher in charge of the Physics department, Dr Ritu Dhingra. The good wishes of our principal Dr Chopra were also conveyed..



The first event of the day was 'Shutters Up-The photography Contest'. There were sixteen contestants from different states in India who presented their outlook towards life and situations through their photographic skills. Their pictures addressed many problems such as hunger, rat race, and struggles of the ladies. The enthralling entries made the task of judges tedious.

This was followed by 'Fete and Fiesta- The Open-Mic event'. The participants enthralled the audience with their self created poems and songs on various topics

The third event festival was 'Memetron- The meme making competition. This event involved the participation of fifteen students who made the audience laugh with their creations.

The next event was 'Mind Bend- the Quiz Competition' in which eighteen contestants competed. The questions of the event required really a mind bend and the contestants had a tough time guessing the answers.



The brainstorming event 'Now in Orbit- Treasure Hunt' kept the thirty hunters on their toes to find the clues for searching the treasure.

The last event of the day was 'Physiobola- the Tombola event' in which eight competitors struggled with the numbers and the physical constants.

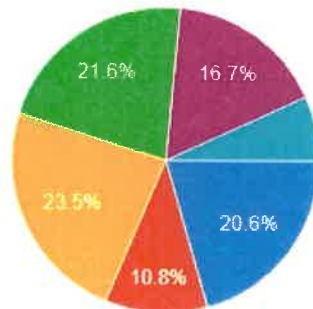
The innovative ideas of students in conducting various competitions were lauded both by the judges and the participants. It was an ordeal for the judges to decide the winners. The anchors of all the events also performed their duties wonderfully.

Everyone was glued to the screen till the end of the engrossing competitions. The event formally ended with the results and a vote of thanks to all the student volunteers and the participants. In all 102 participants filled the feedback form and their responses were encouraging and supportive.

Which event did you like the most?

 Copy

102 responses

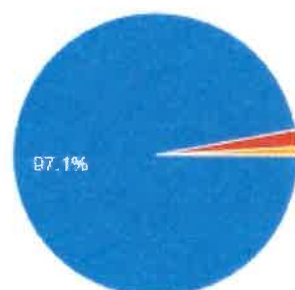


- Shutter's up (Photography competition)
- Fete and fiesta (Open mic competition)
- Memetron (Meme making competition)
- Mind bend (Fun quiz competition)
- Now in orbit (Space treasure hunt competition)
- Physiobola (Physics tambola competition)

According to you, was the event well organised?

 Copy

102 responses

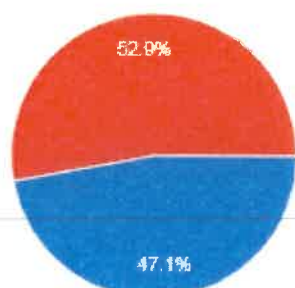


- Yes
- No
- Maybe

Did you participate or were you a part of the audience?

 Copy

102 responses



- Participant
- Audience



LIST OF PARTICIPANTS:

Meme making Competition					
S.No	Email	Name	College/University	Course	Year
1	adityadhankhar@yahoo.com	Aditya Dhankhar	ARSD	Economics Honors	1st
2	udayveeer.fbd@gmail.com	udayveer	Shivaji College	bsc life sciences	2nd year
3	23225y@gmail.com	Yogesh	JNU	Ma pol sci	1
4	kirtibhagia02@gmail.com	Kirti Bhagia	Maitreyi College	Bsc.(H) Physics	2nd
5	yadavji5117@gmail.com	Vinay Yadav	Government College of Bhiwani	B.sc	1st
6	firstthinker620@gmail.com	Guddu kumar	Motilal Nehru College	Bsc physics honour	2nd year
7	SHARMAMINNY@GMAIL.COM	Gaurangi Sharma	Motilal Nehru College	Physics hons	2nd
8	jesmalj@gmail.com	Jesmal Jalal	IISER Tirupati	BS MS	4th year
9	Msomani2312@gmail.com	MOHIT SOMANI	VNSGU	BSC	2
10	Suhanisharma012002@gmail.com	Suhani Sharma	JAMIA HAMDARD UNIVERSITY	BSc. Clinical Research	1st
11	asakshi855@gmail.com	Sakshi	Motilal Nehru College	bsc hons physics	2
12	Devvratbhattar12@gmail.com	Devvrat bhattar	NIT	Btech	3
13	thaleprem19@gmail.com	THALE PREM SAJJAN	MUMBAI UNIVERSITY	BCOM	2nd
14	anuragjasram@gmail.com	Anurag Gupta	Faculty of law	Lib	1
15	shivanibhardwaj4070@gmail.com	Shivani Sharma	Deenbandhu chottu ram university of science and technology	Btech Cse	3rd
Now in Orbit Competition					
1	anshikajoshi121@gmail.com	Anshika Joshi	Maitreyi college , Delhi University	Bsc Physics honours	Second Year
2	kirtibhagia02@gmail.com	Kirti Bhagia	Maitreyi College University of Delhi	Bsc.(H) Physics	Second Year
3	nikum.bhanuyadav@gmail.com	Bhawna	Maitreyi College ,DU	BSc(Hons)Physics	Third Year
4	hiya.srivastava7011@gmail.com	HIYA SRIVASTAVA	Maitreyi college, University of Delhi	B.Sc H Mathematics	Second Year
5	vanshikaagarwal2807@gmail.com	Vanshika Agarwal	Maitreyi College, Delhi University	B.sc Physical Sciences	Second Year
6	sharmamaulika.07@gmail.com	Maulika Sharma	Maitreyi College Delhi University	Bsc physical science with cs	Second Year
7	vaishalibagauli@gmail.com	Vaishali Bagauli	Maitreyi College, University of Delhi	BSc (hons) physics	Second Year

10	sakshisheoran29@gmail.com	Sakshi	Kalindi College, University of Delhi	B.Sc. Physics Hons.	Second Year
11	Suhanisharma012002@gmail.com	Suhani Sharma	Jamia Hamdard University	BSc. Clinical Research	First year
12	ash3.14ks@gmail.com	Ashish Kumar Sharma	Motilal Nehru College	Physics Honors	Third Year
13	kamakshiharit@gmail.com	Monisha	Hindu College	BSc (Hons) chemistry	First year
14	mk02082000@gmail.com	Mohit Kumar	SRM University NCR	BTech.	Second Year
15	ritikatuteja12@gmail.com	Ritika Tuteja	Gargi college	Bsc chemistry	First year
16	nayakpranjal91@gmail.com	Pranjal Nayak	Maitreyi College, University of Delhi	B.Sc.(Hons.) Physics	First year
17	monalimona123456@gmail.com	Sonali	Patliputra university,patna	Physics honors	Third Year
18	gargshruti814@gmail.com	Shruti garg	Kalindi college	Bsc life sciences	Second Year
19	thaleprem19@gmail.com	THALE PREM SAJJAN	KET'S V.G.VAZE COLLEGE (AUTONOMOUS), MUMBAI	BCOM	Second Year
20	rohitkumarv2003@gmail.com	Rohit Kumar	Sri Venkateswara College, University of Delhi	BSc Hons Electronics	First year
21	pooniakhushi7@gmail.com	Khushi	Maitreyi College,DU	Physics H	Third Year
22	dhanag2000@gmail.com	Garvita Dhanawat	Maitreyi College	Bsc Hons physics	Third Year
23	priyankadahiya392@gmail.com	Priyanka	Kalindi College, Delhi univrsity	B.Sc. (H) physics	Second Year
24	reevachutani@gmail.com	Reeva	Maitreyi college	Chem hons	Second Year
25	udayveeer.fbd@gmail.com	udayveer	20/23178	bsc life sciences	Second Year
26	pogowizard@gmail.com	Pratham Goswami	Dr. Ambedkar Institute of Technology	B.E.	First year
27	gunjandhingra08885@gmail.com	Gunjan	Maitreyi college, Delhi university	Bsc(H) Physics	Third Year
28	writefornishant@gmail.com	Nishant	Shivaji College, University of Delhi	B.Sc.(P) Life Science	Second Year
29	nehadhingra609@gmail.com	Neha	Maitreyi college, Delhi University	Bsc Hons physics	Third Year
30	rashiraj3010@gmail.com	Rashi Raj	Sri Venkateswara College, DU	B.Sc. Life Sciences	Third Year
	Photography Competition				
1	niveditapanwar1978@gmail.com	NIVEDITA PANWAR	MAITREYI COLLEGE	BSc. MATHEMATIC S HONS	First year
2	pallavisingh69016@gmail.com	Pallavi Singh	Maitreyi College	Bsc maths honors	First year
3	kajalmathur705@gmail.com	Kajal Mathur	Janki Devi Memorial College	B.A. Hons. Sociology	Third Year
4	nandini2jain2@gmail.com	Nandini Jain	JMC	B.A. Program	Second Year
6	Shekharkumar1952@gmail.com	Shekhar Kumar	Shivaji College	B.A Prog	Third Year
7	ultimatehero2468@gmail.com	Ayush Kumar	Ramias College	B.Sc. (Hons.) Botany	First year

	.COM	AGARWAL	college delhi University	maths	
9	neha.singh0500@gmail.com	Neha Singh	Maitreyi College	BSc Hons Physics	Third Year
10	indranilmajumdar03@gmail.com	Indranil Majumdar	Atma Ram Sanatan Dharma College	Economics	First year
11	shrutimadhu011201@gmail.com	SHRUTI MADHU SUDANAN	Symbiosis Centre for Management Studies, Noida	BBA	Second Year
12	thaleprem19@gmail.com	THALE PREM SAJJAN	KET'S V.G.VAZE COLLEGE (AUTONOMOUS), MUMBAI	BCOM	Second Year
13	ayushmansharan27@gmail.com	Ayushman Sharan	Dr. Ambedkar Institute of Technology	BE (CSE)	First year
14	udayveeer.fbd@gmail.com	udayveer	Shivaji College	bsc life sciences	Second Year
15	avnikatyagi19@gmail.com	Avnika Tyagi	Maitreyi College, DU	Bsc (H) Physics	Second Year
16	rashiraj3010@gmail.com	Rashi Raj	Sri Venkateswara College	B.Sc. Life Sciences	Third Year
	Fete and Fiesta Competition				
1	kumarianamika22jan@gmail.com	Kumari Anamika	Atma Ram sanatan dharm college	Economics hons	First year
2	lata120106pandey@gmail.com	Lakshita Pandey	ARSD College	Bcom Prog.	First year
3	asakshi855@gmail.com	Sakshi	Motilal Nehru College	Bsc hons physics	Second Year
4	monalimona123456@gmail.com	Sonali	Shri arvind mahilla college	Physics honors	Third Year
5	kupallavi60@gmail.com	Pallavi kumari	Sri arvind mahila college	Bsc(physics honours)	Second Year
6	brave.tousif03@gmail.com	Mohammad Tousif Ghani	I.T.S dental college Greater Noida	BDS	Third Year
7	thaleprem19@gmail.com	THALE PREM SAJJAN	KET'S V.G.VAZE COLLEGE (AUTONOMOUS), MUMBAI	BCOM	Second Year
8	udayveeer.fbd@gmail.com	udayveer	shivaji college	bsc life sciences	Second Year
9	anshitasharma9117@gmail.com	Anshita sharma	Maitreyi college	Bsc honours physics	First year
10	rashiraj3010@gmail.com	Rashi Raj	Sri Venkateswara College	B.Sc. Life Sciences	Third Year

Dr. Ritu Dhingra
TIC, Department of Physics
Maitreyi College

Event: Lecture by Prof. Ajoy K. Ghatak 'The Ten Most Beautiful Experiments in Science

Venue: Video Conferencing Hall, Library Maitreyi College

Level: College Level

Date : 19-04-2022

Name of the organizing Department: Department of Physics, Maitreyi College and NASI (National Academy of Sciences India), Delhi

Name of the convenor of the event: Dr. Ritu Dhingra

Total Number of the beneficiaries (with relevant proofs): 111

Number of the beneficiaries from college:111

**DEPARTMENT OF PHYSICS
MAITREYI COLLEGE**
(ACCREDITED WITH GRADE 'A' BY NAAC)
UNIVERSITY OF DELHI

AND
THE NATIONAL ACADEMY OF SCIENCES, INDIA - DELHI CHAPTER
PRESENT A LECTURE ON

'The Ten Most Beautiful Experiments in Science'
BY
Prof. Ajoy K. Ghatak
National Academy of Sciences, India
Formerly Professor of Physics at IIT Delhi

Date:- 19th April 2022
Time:- 11 AM
Venue:- Seminar Hall (NSB)

THE TEN MOST BEAUTIFUL EXPERIMENTS IN SCIENCE
Ajoy Ghatak

followed by a Quiz
with 20 books on
'The Ten Most Beautiful Experiments in Science' as prizes
(Sponsor: NASI)

For any queries contact:-
Neha Deshwal- 8396844244
Payal Sachdeva- 9119041044
Preeti- 9306818495
Sharanya- 9811258548

Registration Link:
<https://forms.gle/PBfnKDScoCZnznP7>

Each participant will be given an e-certificate

Convenor:
Dr. Ritu Dhingra
TIC, Department Of Physics

Patron:
Prof. Haritma Chopra
Principal, Maitreyi College

Dr. Ritu Dhingra

The Department of Physics, Maitreyi College, in joint collaboration with The National Academy of Sciences India (NASI), Delhi organised a lecture of Prof. Ajoy K. Ghatak titled 'The Ten Most Beautiful Experiments in Science; on 19th April 2022.

Prof. Ghatak, currently a part of NASI, did his MSc from University of Delhi and PhD from Cornell University. He joined IIT Delhi in 1966 from where he retired as Professor of Physics. He is the recipient of many awards including CSIR SS Bhatnagar award, SPIE Educator award, the Esther Hoffman Beller award, 16th Khwarizmi International award, the International Commission for Optics Galileo Galilei award, IETE Wadhwa Gold Medal, the UGC Meghnad Saha Award and most recently, the Sang Soo Lee Award in recognition of his unparalleled global contributions to the field of fiber optics research and related areas. He has authored over 170 research papers and several books including the undergraduate text optics. His latest book is titled 'The Ten Most Beautiful Experiments in Science', which was introduced by him in this lecture.

Inspired by a list of the ten most beautiful experiments in science, curated by Prof. Robert Crease a philosopher and historian of science, Prof. Ghatak in his book has tried to describe the physics of the ten experiments with an aim that young students would appreciate the beauty and profoundness of each experiment.

The lecture began with lighting of a lamp by Prof. Ghatak followed by a welcome speech by Dr. Ritu Dhingra (TIC, Department of Physics). All the students from B.Sc. (H) Physics and B.Sc. (Prog.) Physical Sciences were present, along with the faculty, at this knowledge sharing session. Before introducing the audience with 'The Ten Most Beautiful Experiments in Science' Prof. Ghatak talked about the importance of education and the historical development



of science and education in India. He urged everyone to acknowledge the privilege of learning

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and comprehension and to be proud of the revolutionary achievements in the field of science by the great minds of our country. He then proceeded with an exquisite description of the ten experiments. He referred to a large number of YouTube videos through which the students can acquire a greater appreciation of the beauty of each experiment. The students were fascinated by the wonderful lucid explanations of Eratosthenes' measurement of the Earth's circumference, and Cavendish's torsion-bar experiment. A number of such remarkably striking demonstrations of classic experiments like Newton's experiment on splitting a beam of sunlight into various colours when it falls on a glass prism and the double slit interference experiment with single electrons were elegantly discussed.



Prof. Ghatak summarised the talk by emphasising how each experiment is equally beautiful and important in the advancement of science. He quoted John Ruskin who defines 'beautiful' as

“Any material object which can give us pleasure in the simple contemplation of its outward qualities without any direct and definite exertion of the intellect, I call in some way, or in some degree, beautiful”

Prof. Ghatak was hopeful that from his lecture and book, the young students will feel enthused to learn and appreciate more of basic physics.

A handwritten signature in blue ink, appearing to be 'Ghatak', is located at the bottom center of the page.

The lecture was followed by a quiz organized for the students by Prof. Ghatak himself. He generously gave 20 copies of his book as a prize to the winners of the quiz.



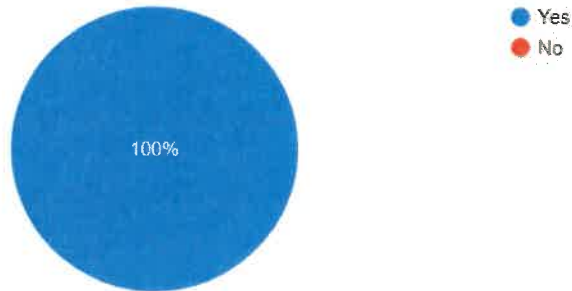
The lecture was a great success. It proved to be an opportunity of a lifetime for the students as they were enlightened by physics in its true form. It was truly a motivational and enriching experience for all the students and faculty present. The feedback of the lecture was very positive. The students got immensely motivated to dwell deeper into the fundamental principles of science and use them in their pursuit of further studies and research. Following are the responses from the feedback form. Each and every participant found the lecture very useful. They all gave very good ratings to the lecture.

Ant

Was the lecture useful for you?

111 responses

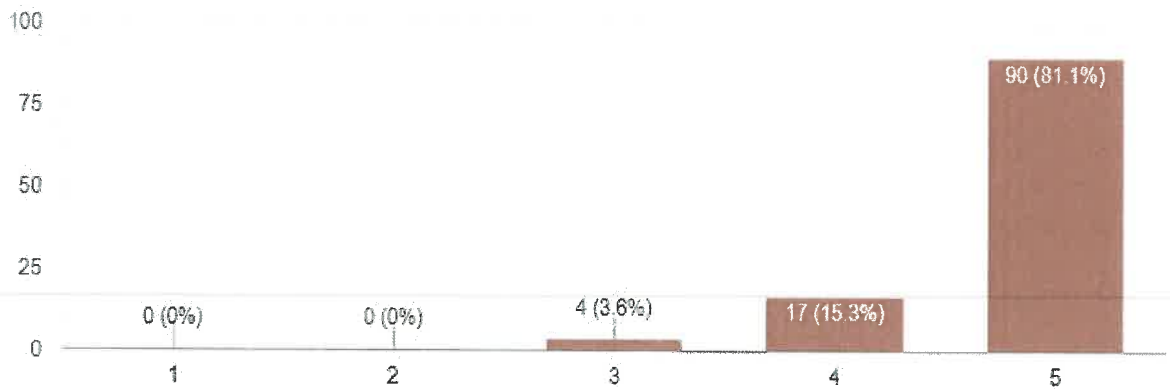
 Copy



How would you rate the lecture?

111 responses

 Copy



List of Participants:

S.N	Email	Name (with title Ms/Mr)	Phone Number	College	Course and Year
1	nazikadhimaan@gmail.com	Ms nazika	9882383615	Maitreyi college	Bsc honos physics 2nd y
2	monikasuthar880@gmail.com	Ms monika	7206552709	Maitreyi college	Bsc phy 2
3	preetiniwal@gmail.com	Ms Preeti	9306818495	Maitreyi college	Bsc (H) physics



4	ravinakhardwal1309@gmail.com	Ms Ravina	8397981510	Maitreyi college	B.Sc.(H) Physics and year
5	himaniyadav230@gmail.com	Ms. HIMANI YADAV	9311629423	Maitreyi College	B.Sc (H) Physics
6	shivanisinghbdn2993@gmail.com	Ms Shivani Singh	8218935629	Maitreyi College	B Sc (Hons) Physics, year
7	purnimawadhwa685@gmail.com	Ms Purnima	9729848384	Maitreyi college	B.Sc(H) Physics
8	vaishalibagauli@gmail.com	Ms. Vaishali Bagauli	9639652721	Maitreyi College, University of Delhi	BSc (H) physics, 2nd year
9	Avantikayadav20002	Ms Avantika	9896189824	Maitreyi college	BSc(H) physics/3rd year
10	sharanyarenjit@gmail.com	Ms Sharanya Renjit	09811258548	Maitreyi	B.Sc(H)Physics
11	bhawnav128@gmail.com	Ms. Bhawna Verma	9711377371	Maitreyi	B.S.c.physics (h)
12	aasthaaggarwal82183@gmail.com	Ms Aastha Agarwal	8218326523	Maitreyi College, University of Delhi	B.Sc. (Hons) Physics, 2)
13	shreya122chtrvdi@gmail.com	Ms shreya chaturvedi	7651877759	Maitreyi college	B.Sc physics honors 2nd
14	simratkaur22002@gmail.com	MS. SIMRAT KAUR NANDA	8882284318	MAITREYI COLLEGE, UNIVERSITY OF DELHI	B.SC(H) PHYSICS
15	kumariankita24754@gmail.com	Ms Ankita	9053965254	Maitreyi college, du	Bsc physics honors 2nd ye.
16	tanujholri@gmail.com	Ms Tanu	9518860470	Maitreyi college	Bsc honors physics 2nd ye.
17	dhanag2000@gmail.com	Ms Garvita Dhanawat	8810246883	Maitreyi College	Bsc Hons Physics, 3rd ye
18	20neha02yadav@gmail.com	Ms Neha Yadav	9350166716	Maitreyi college	Bsc(H) Physics

19	yuvika1114@gmail.com	Ms Yuvika Thakur	9971972377	Maitreyi College	Bsc honors physics 1 year
20	bhardwajmeghaa8@gmail.com	Megha Bhardwaj	9319077478	Maitreyi college	BSc Hons physics second
21	Tanishkaran3993@gmail.com	Ms. Tanishka Rana	8899019086	Maitreyi college	Bsc physics (hons) and year
22	bijarniasalonee@gmail.com	Ms Salonee Bijarnia	8890677658	Maitreyi College	BSc Physic Honours
23	dhimandeepali54@gmail.com	Ms DEEPALI DHIMAN	1899	Maitriye college	Bsc hons physics 3rd year
24	mansi6.tewatia@gmail.com	Ms Mansi Tewatia	8595096822	Maitreyi college	B.Sc(H) Physics, 2nd year
25	bhavna.d0808@gmail.com	Ms Bhavna Dargan	8077751368	Maitreyi College	Physics honours (II year)
26	pravishiti01@gmail.com	Ms Pravishti Gautam	8742902780	Maitreyi college	Bsc(H) physics
27	Av644499@gmail.com	Ms deepanshi verma	9528786282	Maitreyi college	Bsc phy hons(1st yr)
28	sharmavaishali0102@gmail.com	Ms. Vaishali Sharma	9877097908	Maitreyi College	Bsc (H) Physics , 2nd year
29	tanuyadavkk@gmail.com	Ms. Tanu	8529323305	Maitreyi College	Physics Hons.
30	simranhonour2003@gmail.com	Ms Simran	8950278751	Maitreyi College	Bsc(H) physics
31	sharmila12012002@gmail.com	Ms Sharmila	8287388850	Maitreyi College	B.Sc Physics Hons ;2nd year
32	bhawnasinghchaudhary126@gmail.com	Ms Bhawna Singh	7303758918	Maitreyi College	BSc physics hons,first year
33	neha.singh0500@gmail.com	Ms Neha Singh	9969827318	Maitreyi College	BSc Hons Physics
34	poojaydv60@gmail.com	Pooja Kumari	9899354331	Maitreyi College	B.Sc.Physics Hons
35	nimishasagar05@gmail.com	Ms nimisha sagar	7048948226	Maitreyi college	B.SC.(H) physics and year

36	kirtibhagia02@gmail.com	Ms. Kirti Bhagia	9810844426	Maitreyi College	Bsc. H Physics 2nd yr
37	renukaubba8295@gmail.com	Ms Renuka	8295918221	Maitreyi college	Bsc (Hons.) Physics 1st
38	jeaumishr@gmail.com	Ms Jeau Mishr	9109998781	Maitreyi College	BSc (hons) Physics, 1st `
39	dikshasharma22284@gmail.com	Ms Diksha Sharma	8290680069	Maitreyi college	BSC hons physics,3rd ye
40	dhruviagrawal1@gmail.com	Ms. Dhruvi Agrawal	8130470660	Maitreyi,DU	B.Sc(H) Physics 2nd yea
41	nayakpranjal91@gmail.com	Ms. Pranjal Nayak	8462961488	Maitreyi College	Bsc Hons Physics
42	soniachahar9588@gmail.com	Ms. Sonia	9588590889	Maitreyi College	B. Sc. (H) Physics, 3rd ye
43	anshitasharma9117@gmail.com	Ms Anshita sharma	9117285502	Maitreyi college	Bsc Hons physics 1sy ye
44	toshniwaljiya@gmail.com	Ms Jiya Toshniwal	7878154328	Maitreyi college	Bsc hons physics 1st yea
45	mamtasharma8755423267@gmail.com	Ms Khushi	7505651510	Maitreyi college	Bsc physics honour's 1st
46	Saijalsingh956@gmail.com	Ms saijal	9520319131	Maitreyi college	Bsc hons physics / 2020
47	kumari989118@gmail.com	Ms Priyanka Kumari	9891184626	Maitreyi College	Bsc. (Hons.) Physics
48	rishikamittal06@gmail.com	Ms. Rishika Mittal	8447098914	Maitreyi college	Bsc(H) Physics and 2nd `
49	rajvirrailway69@gmail.com	Ms Dipti Malik	9356014407	Maitreyi college	Bsc Physcis hons
50	ishiarshi@gmail.com	Ms. Ishita arora	8173980205	Maitreyi college	Physics honours 3rd year
51	Gunjandhingra08885@gmail.com	Ms. Gunjan Dhingra	7888763864	Maitreyi	Bsc(H) Physics, 3rd year
52	ananyabishnoi2918@gmail.com	Ms. Ananya	7988255435	Maitreyi college	Bsc physics hons first ye
53	jangidbhawna67@gmail.com	Ms.Bhawna Jangid	8950761911	Maitreyi College	B.Sc.(Hons.)Physics
54	sakshinarware9@gmail.com	Ms Archana	8448549536	Maitreyi College	Bsc (H) Physics
55	nidhirana32000@gmail.com	Ms Nidhi Rana	9306228436	Maitreyi college	Bsc(h)physics, 3rd year

56	nehdeswal@gmail.com	Ms Neha Deshwal	8396844244	Maitreyi College	Bsc Physics honrs 3rd year
57	sachdevapayal10@gmail.com	Ms Payal Sachdeva	9119041044	Maitreyi College	BSc(H) Physics (3rd year
58	kholasakshi@gmail.com	Ms Sakshi	8930772256	Maitreyi	Bsc(H) Physucs 3rd year
59	yadavparul283@gmail.com	Ms Parul yadav	9350992581	Maiteryi College	Bsc phy honrs 1st year
60	harshitarathi720@gmail.com	Ms Harshita	7206848074	Maitreyi college	Bsc physics honour,2 nd
61	anjalitripathi15112001@gmail.com	Ms Anjali	9958780663	Maitreyi college	BSC(H) physics (3rd year
62	sakshidadheech123@gmail.com	Ms Sakshi dadheech	9958881670	Maitreyi college	Bsc (H) physics and 2nd
63	sokhalamanjot54@gmail.com	Ms.Amanjot	8295648841	Maitreyi college	BSC honrs physics 1st year
64	deepyadav2812@gmail.com	Ms.Deepika	8569971105	Maitreyi College	Bsc.physics honrs.1st year
65	Passionateshiva18@gmail.com	Ms shiva raj	9142620972	Maitreyi college	Bsc physics (honrs)
66	Chauh6	Ms Vishakha	8954407569	Maitreyi college	Physics and 2year
67	priyankayadav9876544@gmail.com	Miss Priyanka	7206008373	Maitreyi College	Physics honours 1st year
68	riddhidwivedi10@gmail.com	Ms Riddhi Dwivedi	9151312297	Maitreyi	Bsc honrs. (physics)
69	riagoel03@gmail.com	Ms Ria Goel	9871580140	Maitreyi College	B.Sc(H) Physics 2nd year
70	ritikakichloo24802@gmail.com	Ms ritika kichloo	9319952330	Maitreyi college	Bsc physics honrs 2nd year
71	anjalitripathi15112001@gmail.com	Ms. Anjali	9958780663	Maitreyi college	BSC(H) physics
72	saksheesuravi168@gmail.com	Sakshee Suravi	7903741691	Matreyi	B.Sc physics Honrs,2
73	soumyabajpai2003@gmail.com	Soumya Bajpai	7879676807	Maitreyi College	BSc Honors Physics 1st year
74	poojamaan1811@gmail.com	Ms Pooja Maan	8824770499	Maitreyi college	B.sc (h) Physics 3 rd year
75	pooiakhushi7@gmail.com	Ms Khushi	6375140020	Maitreyi College	BSc(H) Physics

76	snehasanjaysirohi@gmail.com	Ms Sneha	9548173383	Maitreyi college	Bsc Physics hon, final y
77	nehadhingra609@gmail.com	Ms. Neha	6283623135	Maitreyi	Bsc (H) physics, 3rd year
78	anchalpandey422@gmail.com	Ms. Anchal Pandey	6392334032	Maitreyi college	Bsc hon.s.physics 3rd year
79	shakshikardam8@gmail.com	Ms Shakshi	9310386609	Maitreyi college	Bsc Hons physics
80	avnikatyagi19@gmail.com	Ms Avnika Tyagi	9811747927	Maitreyi College	Bsc (H) Physics
81	manishakamania2@gmail.com	Ms Manisha	9350045217	Maitreyi college	B.Sc(H) Physics
82	tanubondwal55@gmail.com	Tamanna	9053941395	Maitreyi College	BSc physics (H)
83	aswalshreya.227@gmail.com	Ms Shreya Aswal	9654489693	Maitreyi College	B.Sc.(H) Physics and 3rd year
84	deshwalsonia60@gmail.com	Ms. Sonia	8307829917	Maitreyi college	B.Sc Physics honours, 3rd year
85	anjulratan@gmail.com	Ms Anjul	9461254312	Maitreyi college	B.sc. (h) physics
86	shakshikardam8@gmail.com	Ms Shakshi	9310386609	Maitreyi college	BSC physics hon
87	shivangiverma122001@gmail.com	Ms	9999562660	Maitreyi College	Bsc(H) Physics
88	simratkaur22002@gmail.com	Ms Simrat Kaur	8882284318	MAITREYI COLLEGE,	B.Sc(H) Physics, 2nd Year
89	khushisr540@gmail.com	Khushi	8595624772	Maitreyi	Bsc phy(1)
90	purnimawadhwa685@gmail.com	Ms.Purnima	9729848384	Maitreyi College	B.Sc(H) Physics
91	renukaubba8295@gmail.com	Ms Renuka	8295918221	Maitreyi college	Bsc.physics (hons.)
92	ravinakhardwal1309@gmail.com	Ms Ravina	8397981510	Maitreyi college	B.Sc.(H) Physics and 3rd year
93	shivanisinghbdn2003@gmail.com	Ms Shivani Singh	8218935629	Maitreyi College, DU	B.Sc.(Hons.) Physics

94	monikasuthar880@gmail.com	Ms Monika	7206552709	Maitreyi college,	BSc. Physics (hon.)
95	pravishiti01@gmail.com	Ms Pravishti Gautam	8742902780	Maitreyi college	Bsc(H) physics
96	bhawnav128@gmail.com	Ms. Bhawna Verma	9711377371	Maitreyi college	B.Sc.(H) Physics
97	patelish1499@gmail.com	Ms Isha Patel	9302506023	Maitreyi college	Bsc physics honors first y
98	jangravinisha@gmail.com	Ms vinisha	9275503806	Maitreyi college	Bsc(h) physics,2 nd year
99	jeaumishr@gmail.com	Ms Jeau Mishr	9109998781	Maitreyi College,	Bsc (hons) Physics, 1st Y
100	deepyadav2812@gmail.com	Ms. Deepika	8569971105	Maitreyi College	Physics hons.1st year
101	harshitarathi720@gmail.com	Harshita	7206848074	Maitreyi college	Bsc physics honour,2nd y
102	sokhalamanjot54@gmail.com	Ms.Amanjot	8295648841	Maitreyi college	B.Sc honours physics 1st
103	yadavparul283@gmail.com	Ms. Parul yadav	9350992581	Maiteryi College	Bsc phy hons -1st year
104	anjulratan@gmail.com	Ms Anjul	9461254312	maitreyi college	B.sc.(H) physics 2nd yea
105	barnalidebnath2002@gmail.com	Ms Koyel Debnath	7628914782	Maitreyi college	Physics honours (1st yea
106	Pinkig1345@gmail.com	Ms pinki	9654030860	Maitreyi College	Bsc hons physics 2nd ye
107	simranhonour2003@gmail.com	Ms Simran	8950278751	Maitreyi College	2021/1289
108	jangidbhawna67@gmail.com	Ms. Bhawna Jangid	8950761911	Maitreyi College	B.Sc. (H) Physics
109	sakshinarware9@gmail.com	Ms. Archana	8448549536	Maitreyi College	Bsc (H)Physics ,3rd year
110	yogitasharma3402@gmail.com	Ms yogita sharma	9001658302	Maitreyi college du	Bsc physics hon
111	Tanishkarana3993@gmail.com	Ms. Tanishka Rana	8368522804	Maitreyi college	Bsc physics (hona) an year

 Dr. Ritu Dhingra

Convenor & TIC, Department of Physics

Farewell to Third Year Students

Date : 25-04-2022

Name of the organizing Department: Department of Physics

Name of the convenor of the event: Dr. Ritu Dhingra

Total Number of the beneficiaries (with relevant proofs): 110

Number of the beneficiaries from college: 110

Report:

The department of Physics organised a farewell for the

To bid farewell to the third year students all the first and second year students organized a farewell on 25th April, 2022 in the new science block of the college premises. The senior most batch of physics honours students were given a warm welcome with a shower of flower petals and a tilak. The junior students entertained their outgoing seniors with their dancing, singing and other creative abilities. Each third year student was given a title and a sachet as a token of remembrance. The faculty members gave their best wishes and blessings to the students.





Ritu Dhirma
Dr. Ritu Dhirma
TIC, Department of Physics
Maitreyi College

Event: 'QUEST' Annual Fest of Department of Physics

Venue: Google meet platform

Level: National Level

Date: 15-04-2022

Name of the organizing Department: Department of Physics, Maitreyi College

Name of the convener of the event: Dr. Ritu Dhingra

Total Number of the beneficiaries (with relevant proofs): 102

Poster of the event:



The Physics Society, 'Scintillations' of Maitreyi College organises its annual festival 'QUEST' every year and this year the event was conducted online on a holiday to involve maximum participation from all across the country. The event began with a welcome note by the event coordinator and teacher in charge of the Physics department, Dr Ritu Dhingra. The good wishes of our principal Dr Chopra were also conveyed..

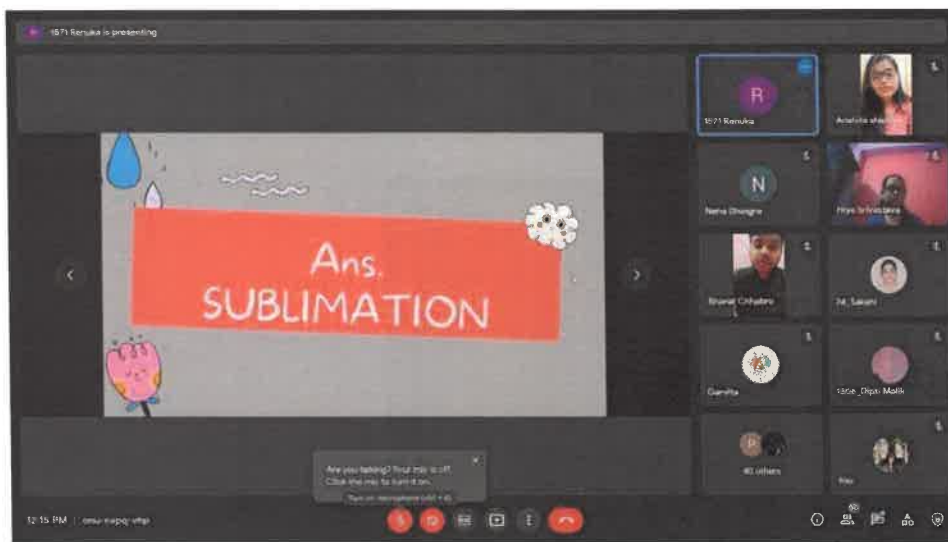


The first event of the day was 'Shutters Up-The photography Contest'. There were sixteen contestants from different states in India who presented their outlook towards life and situations through their photographic skills. Their pictures addressed many problems such as hunger, rat race, and struggles of the ladies. The enthralling entries made the task of judges tedious.

This was followed by 'Fete and Fiesta- The Open-Mic event;'. The participants enthralled the audience with their self created poems and songs on various topics

The third event festival was 'Memetron- The meme making competition. This event involved the participation of fifteen students who made the audience laugh with their creations.

The next event was 'Mind Bend- the Quiz Competition' in which eighteen contestants competed. The questions of the event required really a mind bend and the contestants had a tough time guessing the answers.



The brainstorming event 'Now in Orbit- Treasure Hunt' kept the thirty hunters on their toes to find the clues for searching the treasure.

The last event of the day was 'Physiobola- the Tombola event' in which eight competitors struggled with the numbers and the physical constants.

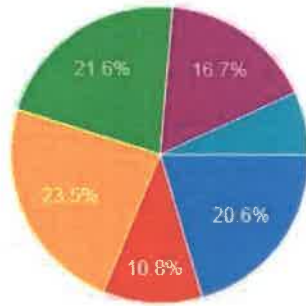
The innovative ideas of students in conducting various competitions were lauded both by the judges and the participants. It was an ordeal for the judges to decide the winners. The anchors of all the events also performed their duties wonderfully.

Everyone was glued to the screen till the end of the engrossing competitions. The event formally ended with the results and a vote of thanks to all the student volunteers and the participants. In all 102 participants filled the feedback form and their responses were encouraging and supportive.

Which event did you like the most?



102 responses

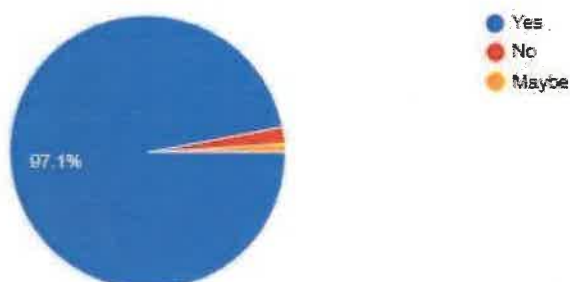


- Shutter's up (Photography competition)
- Fete and fiesta (Open mic competition)
- Memetron (Meme making competition)
- Mind bend (Fun quiz competition)
- Now in orbit (Space treasure hunt competition)
- Physiobola (Physics tambola competition)

According to you, was the event well organised?

Copy

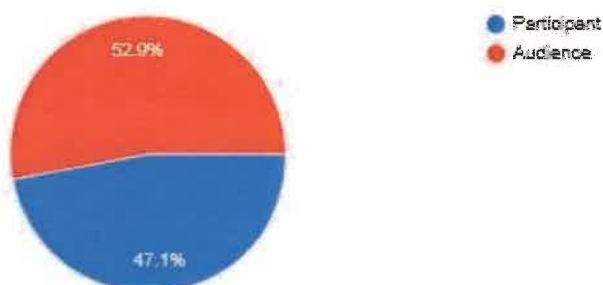
102 responsee



Did you participate or were you a part of the audience?

Copy

102 responsee



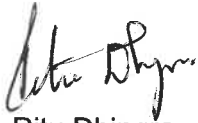
LIST OF PARTICIPANTS:

Meme making Competition					
S.No	Email	Name	College/University	Course	Year
1	adityadhankhar@yahoo.com	Aditya Dhankhar	ARSD	Economics Honors	1st
2	udayveeer.fbd@gmail.com	udayveer	Shivaji College	bsc life sciences	2nd year
3	23225y@gmail.com	Yogesh	JNU	Ma pol sci	1
4	kirtibhagia02@gmail.com	Kirti Bhagia	Maitreyi College	Bsc.(H) Physics	2nd
5	yadavji5117@gmail.com	Vinay Yadav	Government College of Bhiwani	B.sc	1st
6	firstthinker620@gmail.com	Guddu kumar	Motilal Nehru College	Bsc physics honour	2nd year
7	SHARMAMINNY@GMAIL.COM	Gaurangi Sharma	Motilal Nehru College	Physics honors	2nd
8	jesmalj@gmail.com	Jesmal Jalal	IISER Tirupati	BS MS	4th year
9	Msomani2312@gmail.com	MOHIT SOMANI	VNSGU	BSC	2
10	Suhanisharma012002@gmail.com	Suhani Sharma	JAMIA HAMDARD UNIVERSITY	BSc. Clinical Research	1st
11	asakshi855@gmail.com	Sakshi	Motilal Nehru College	bsc honors physics	2

12	Devvratbhattar12@gmail.com	Devvrat bhattar	NIT	Btech	3
13	thaleprem19@gmail.com	THALE PREM SAJJAN	MUMBAI UNIVERSITY	BCOM	2nd
14	anuragjasram@gmail.com	Anurag Gupta	Faculty of law	Llb	1
15	shivanibhardwaj4070@gmail.com	Shivani Sharma	Deenbandhu chottu ram university of science and technology	Btech Cse	3rd
Now in Orbit Competition					
1	anshikajoshi121@gmail.com	Anshika Joshi	Maitreyi college , Delhi University	Bsc Physics honours	Second Year
2	kirtibhagia02@gmail.com	Kirti Bhagia	Maitreyi College University of Delhi	Bsc.(H) Physics	Second Year
3	nikum.bhanuyadav@gmail.com	Bhawna	Maitreyi College ,DU	BSc(Hons)Physics	Third Year
4	hiya.srivastava7011@gmail.com	HIYA SRIVASTAVA	Maitreyi college, University of Delhi	B.Sc H Mathematics	Second Year
5	vanshikaagarwal2807@gmail.com	Vanshika Agarwal	Maitreyi College, Delhi University	B.sc Physical Sciences	Second Year
6	sharmamaulika.07@gmail.com	Maulika Sharma	Maitreyi College Delhi University	Bsc physical science with cs	Second Year
7	vaishalibagauli@gmail.com	Vaishali Bagauli	Maitreyi College, University of Delhi	BSc (hons) physics	Second Year
9	SHARMAMINNY@GMAIL.COM	Gaurangi Sharma	Motilal nehru	Physics hons	Second Year
10	sakshisheoran29@gmail.com	Sakshi	Kalindi College, University of Delhi	B.Sc. Physics Hons.	Second Year
11	Suhanisharma012002@gmail.com	Suhani Sharma	Jamia Hamdard University	BSc. Clinical Research	First year
12	ash3.14ks@gmail.com	Ashish Kumar Sharma	Motilal Nehru College	Physics Honors	Third Year
13	kamakshiharit@gmail.com	Monisha	Hindu College	BSc (Hons) chemistry	First year
14	mk02082000@gmail.com	Mohit Kumar	SRM University NCR	BTech.	Second Year
15	ritikatuteja12@gmail.com	Ritika Tuteja	Gargi college	Bsc chemistry	First year
16	nayakpranjal91@gmail.com	Pranjal Nayak	Maitreyi College, University of Delhi	B.Sc.(Hons.) Physics	First year
17	monalimona123456@gmail.com	Sonali	Patliputra university, patna	Physics honors	Third Year
18	gargshruti814@gmail.com	Shruti garg	Kalindi college	Bsc life sciences	Second Year
19	thaleprem19@gmail.com	THALE PREM SAJJAN	KET'S V.G.VAZE COLLEGE (AUTONOMOUS), MUMBAI	BCOM	Second Year
20	rohitkumarv2003@gmail.com	Rohit Kumar	Sri Venkateswara College, University of Delhi	BSc Hons Electronics	First year
21	pooniakhushi7@gmail.com	Khushi	Maitreyi College, DU	Physics H	Third Year
22	dhanag2000@gmail.com	Garvita	Maitreyi College	Bsc Hons	Third

		Dhanawat		physics	Year
23	priyankadahiya392@gmail.com	Priyanka	Kalindi College, Delhi univrsity	B.Sc. (H) physics	Second Year
24	reevachutani@gmail.com	Reeva	Maitreyi college	Chem hons	Second Year
25	udayveer.fbd@gmail.com	udayveer	20/23178	bsc life sciences	Second Year
26	pogowizard@gmail.com	Pratham Goswami	Dr. Ambedkar Institute of Technology	B.E.	First year
27	gunjandhingra08885@gmail.com	Gunjan	Maitreyi college, Delhi university	Bsc(H) Physics	Third Year
28	writefornishant@gmail.com	Nishant	Shivaji College, University of Delhi	B.Sc.(P) Life Science	Second Year
29	nehadhingra609@gmail.com	Neha	Maitreyi college, Delhi University	Bsc Hons physics	Third Year
30	rashiraj3010@gmail.com	Rashi Raj	Sri Venkateswara College, DU	B.Sc. Life Sciences	Third Year
	Photography Competition				
1	niveditapanwar1978@gmail.com	NIVEDITA PANWAR	MAITREYI COLLEGE	BSc. MATHEMATIC S HONS	First year
2	pallavisingh69016@gmail.com	Pallavi Singh	Maitreyi College	Bsc maths honors	First year
3	kajalmathur705@gmail.com	Kajal Mathur	Janki Devi Memorial College	B.A. Hons. Sociology	Third Year
4	nandini2jain2@gmail.com	Nandini Jain	JMC	B.A. Program	Second Year
6	Shekharkumar1952@gmail.com	Shekhar Kumar	Shivaji College	B.A Prog	Third Year
7	ultimatehero2468@gmail.com	Ayush Kumar	Ramjas College	B.Sc. (Hons.) Botany	First year
8	AGARWALHARSH040@GMAIL.COM	HARSH AGARWAL	MOTILAL nehru college delhi University	Ba prog eco maths	First year
9	neha.singh0500@gmail.com	Neha Singh	Maitreyi College	BSc Hons Physics	Third Year
10	indranilmajumdar03@gmail.com	Indranil Majumdar	Atma Ram Sanatan Dharma College	Economics	First year
11	shrutimadhu011201@gmail.com	SHRUTI MADHU SUDANAN	Symbiosis Centre for Management Studies, Noida	BBA	Second Year
12	thaleprem19@gmail.com	THALE PREM SAJJAN	KET'S V.G.VAZE COLLEGE (AUTONOMOUS), MUMBAI	BCOM	Second Year
13	ayushmansharan27@gmail.com	Ayushman Sharan	Dr. Ambedkar Institute of Technology	BE (CSE)	First year
14	udayveer.fbd@gmail.com	udayveer	Shivaji College	bsc life sciences	Second Year
15	avnikatyagi19@gmail.com	Avnika Tyagi	Maitreyi College, DU	Bsc (H) Physics	Second Year
16	rashiraj3010@gmail.com	Rashi Raj	Sri Venkateswara College	B.Sc. Life Sciences	Third Year
	Fete and Fiesta Competition				
1	kumarianamika22jan@gmail.com	Kumari Anamika	Atma Ram sanatan dharm college	Economics hons	First year
2	lata120106pandey@gmail.com	Lakshita	ARSD College	Bcom Prog.	First year

		Pandey			
3	asakshi855@gmail.com	Sakshi	Motilal Nehru College	Bsc hons physics	Second Year
4	monalimona123456@gmail.com	Sonali	Shri arvind mahilla college	Physics honors	Third Year
5	kupallavi60@gmail.com	Pallavi kumari	Sri arvind mahila college	Bsc(physics honours)	Second Year
6	brave.tousif03@gmail.com	Mohammad Tousif Ghani	I.T.S dental college Greater Noida	BDS	Third Year
7	thaleprem19@gmail.com	THALE PREM SAJJAN	KET'S V.G.VAZE COLLEGE (AUTONOMOUS), MUMBAI	BCOM	Second Year
8	udayveer.fbd@gmail.com	udayveer	shivaji college	bsc life sciences	Second Year
9	anshitasharma9117@gmail.com	Anshita sharma	Maitreyi college	Bsc honours physics	First year
10	rashiraj3010@gmail.com	Rashi Raj	Sri Venkateswara College	B.Sc. Life Sciences	Third Year



Dr. Ritu Dhingra
TIC, Department of Physics
Maitreyi College

Event; **VIGYAN SRVATRA PUJYATE**

Level: National Level

Date : 25-02-2022

Name of the Organising Body: Office of the PSA and Ministry of Culture

Name of the participating Department: Department of Physics

Name of the convenor of the event: Dr. Ritu Dhingra

Number of the beneficiaries from college: 75

Report:

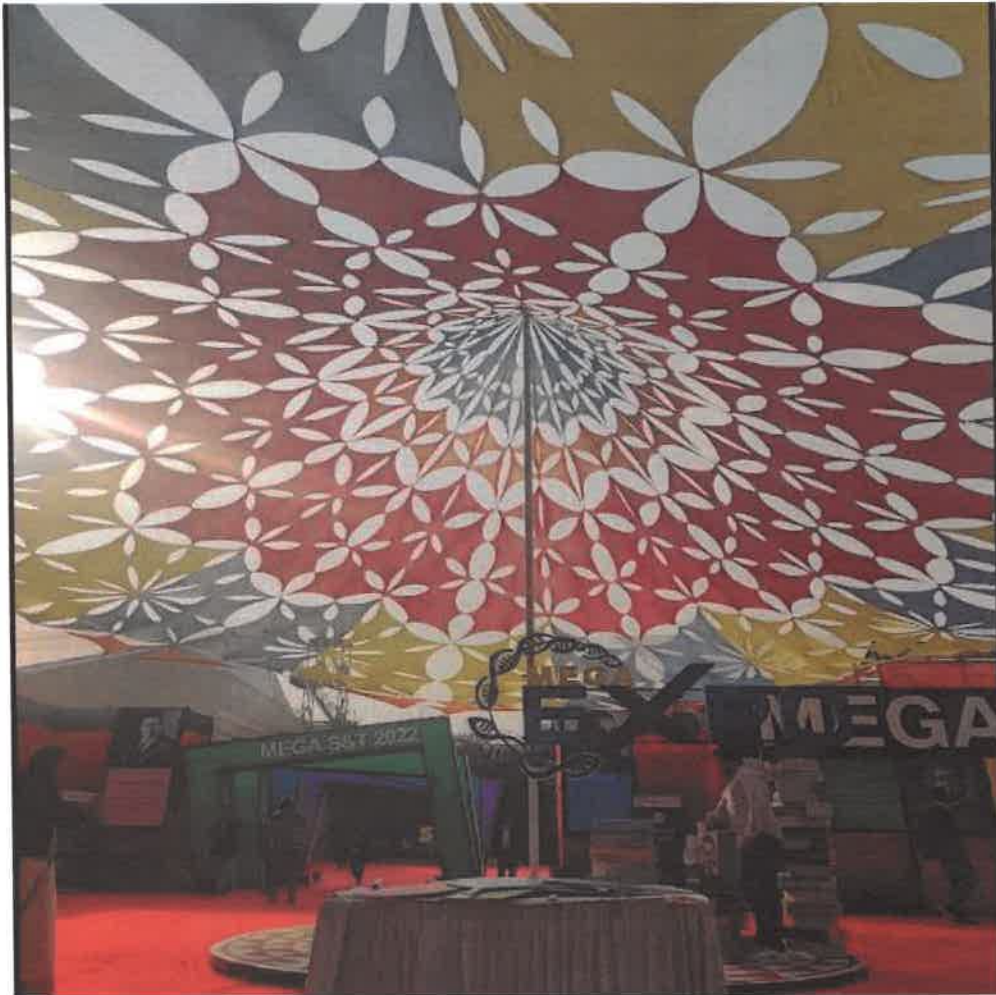
VIGYAN SRVATRA PUJYATE

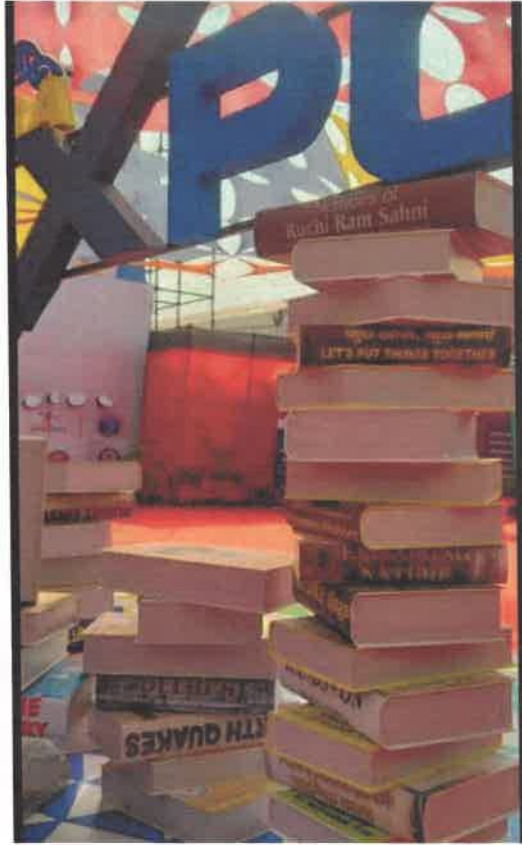
The students of the Physics department visited the 'Vigyan Sarvatra Pujyate' festival organised by the office of PSA and Ministry of Culture held at JawaharLal Nehru Stadium, on 25th February 2022. The events were a part of 'a glorious week of Science and Technology' which featured lectures, exhibits, performances, and interactive activities that encouraged the students to learn and appreciate the advancements in science and technology. Our students attended a lecture by Tessy Thomas, the first ever woman scientist to head a missile project in India (and thereby is known as the 'missile woman of India') . The lecture featured a detailed account of the technological advancements made by our country in the last 70 years, specifically focusing on the Agni-IV missile developed by DRDO. It was a really inspiring talk which motivated students to make important scientific contributions in the future.

They also visited a Science Book Fair which showcased a variety of books on science for different ages and in multiple

languages as well. In addition, they also enjoyed a magic show and other such interactive activities.

The decor of the festival featured pictures and information on various scientists as well as on books. Also, there was an expo featuring different science-related work being conducted by different Ministries of the government.







Ritu Dhyra
(Dr. RITU DHINGRA)
TIC, Dept. of Physics.

Event; IUAC -WEBINAR AND VIRTUAL VISIT ON NATIONAL SCIENCE DAY

Level: College Level

Date : 28-02-2022

Name of the organizing Body; IUAC

**Name of the participating Department: Department of Physics
Link of the Meeting;;**

[://iuac.webex.com/iuac/j.php?MTID=m0088a801ff9a952a11fc0b0b85297680](https://iuac.webex.com/iuac/j.php?MTID=m0088a801ff9a952a11fc0b0b85297680)

Name of the convenor of the event: Dr. Ritu Dhingra

Number of the beneficiaries from college:16

Report:

IUAC WEBINAR AND VIRTUAL VISIT

On the occasion of the National Science Day, Inter University Accelerator Centre (IUAC), New Delhi organized an open house wherein students of B.Sc. Honours Physics were invited to interact with an eminent Physicist/Scientist of the country. The students were also given a virtual tour of the accelerator and the experimental facilities at IUAC to spread an awareness about the accelerator based research going on in the country and inspire them to pursue a career in Physics. However, due to the ongoing COVID 19 pandemic the program was organized in a virtual mode..

The online programme commenced at 10:30 A.M.. on Monday, 28th February 2022 and was hosted on the Cisco Webex platform. Only a maximum of 15 students of B.Sc. Physics along with a faculty member were invited for this event.

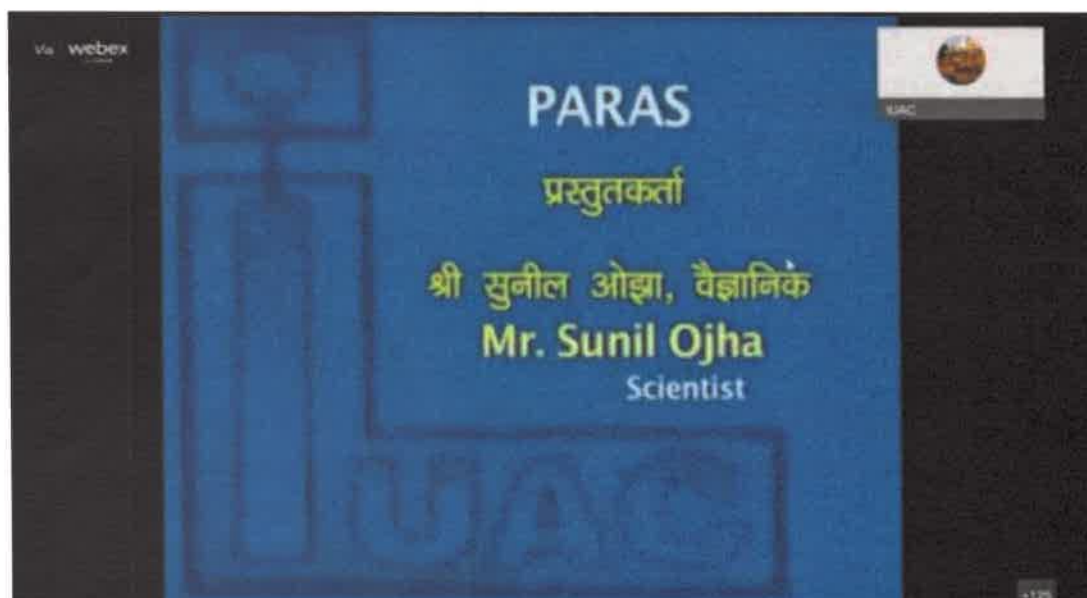
The event commenced with a welcome address by Prof. Avinash Chandra Pandey, Director, IUAC. He started with a few words on Sir C.V Raman and a brief introduction of IUAC facilities. He gave insights into the Raman effect and Raman scatter. He also explained about the phenomenon of nuclear fusion, and talked about moving towards a nuclear weapon free world.

The keynote speaker, Prof. Ashoke Sen, ICTS-Infosys Madhava Chair Professor, International Center for Theoretical Sciences, Bengaluru gave a talk on the topic 'Future of our universe'.

This was followed by a virtual lab tour of the IUAC, where the students were shown the particle accelerators and a few experimental facilities of IUAC. Also Pelletron control room, Linear Accelerator(LINAC), Hybrid Recoil Mass Analyzer(HYRA) and Indian National Gamma Array(INGA) were also virtually showcased to the students..

The session was educational and inspirational and a good learning opportunity for all the students and teachers alike.

This was followed by the vote of thanks and our National anthem.



Indian National Gamma Array (INGA)

BS

BS

प्रस्तुतकर्ता

डॉ. आर.पी.सिंह, वैज्ञानिक

Dr. R. P. Singh

Scientist

INGA

via webex

मैटेरियल्स साइंस (बीम हॉल-II)
Materials Science (Beam Hall-II)

प्रस्तुतकर्ता
डॉ. अम्बुज त्रिपाठी, वैज्ञानिक
Dr. Ambuj Tripathi
Scientist

UAC

148

Ritu Dhyani
(Dr. RITU DHINGRA)
TIC, Dept. of Physics.
Maitreyi College.

Event: Lecture by Prof. Ajoy K. Ghatak 'The Ten Most Beautiful Experiments in Science

Venue: Video Conferencing Hall, Library Maitreyi College

Level: College Level

Date : 19-04-2022

Name of the organizing Department: Department of Physics, Maitreyi College and NASI (National Academy of Sciences India), Delhi

Name of the convenor of the event: Dr. Ritu Dhingra

Total Number of the beneficiaries (with relevant proofs): 111

Number of the beneficiaries from college:111

The poster is for a lecture event. At the top, it lists the organizing institutions: Department of Physics, Maitreyi College (University of Delhi), and The National Academy of Sciences, India - Delhi Chapter. The title of the lecture is 'The Ten Most Beautiful Experiments in Science' by Prof. Ajoy K. Ghatak, a former professor at IIT Delhi. The event is scheduled for 19th April 2022 at 11 AM in Seminar Hall (NSI). A book cover for 'The Ten Most Beautiful Experiments in Science' by Ajoy Ghatak is shown. A chalkboard graphic indicates a quiz with 20 books as prizes, sponsored by NASI. Contact information for queries and a registration link are provided. The convenor is Dr. Ritu Dhingra and the patron is Prof. Haritma Chopra.

**DEPARTMENT OF PHYSICS
MAITREYI COLLEGE**
(ACCREDITED WITH GRADE 'A' BY NAAC)
UNIVERSITY OF DELHI

AND
THE NATIONAL ACADEMY OF SCIENCES, INDIA - DELHI CHAPTER
PRESENT A LECTURE ON

'The Ten Most Beautiful Experiments in Science'
BY
Prof. Ajoy K. Ghatak
National Academy of Sciences, India
Formerly Professor of Physics at IIT Delhi

Date:- 19th April 2022
Time:- 11 AM
Venue:- Seminar Hall (NSI)

THE TEN MOST BEAUTIFUL EXPERIMENTS IN SCIENCE
Ajoy Ghatak

followed by a Quiz with 20 books on 'The Ten Most Beautiful Experiments in Science' as prizes (Sponsor: NASI)

For any queries contact:-
Neha Deshwal- 8396844244
Payal Sachdeva- 9119041044
Preeti- 9306818495
Sharanya- 9811258548

Registration Link:
<https://forms.gle/PBfnKD5boCZnznP7>

Each participant will be given an e-certificate

Convenor:
Dr. Ritu Dhingra
TIC, Department Of Physics

Patron:
Prof. Haritma Chopra
Principal, Maitreyi College

The Department of Physics, Maitreyi College, in joint collaboration with The National Academy of Sciences India (NASI), Delhi organised a lecture of Prof. Ajoy K. Ghatak titled 'The Ten Most Beautiful Experiments in Science; on 19th April 2022.

Prof. Ghatak, currently a part of NASI, did his MSc from University of Delhi and PhD from Cornell University. He joined IIT Delhi in 1966 from where he retired as Professor of Physics. He is the recipient of many awards including CSIR SS Bhatnagar award, SPIE Educator award, the Esther Hoffman Beller award, 16th Khwarizmi International award, the International Commission for Optics Galileo Galilei award, IETE Wadhwa Gold Medal, the UGC Meghnad Saha Award and most recently, the Sang Soo Lee Award in recognition of his unparalleled global contributions to the field of fiber optics research and related areas. He has authored over 170 research papers and several books including the undergraduate text optics. His latest book is titled 'The Ten Most Beautiful Experiments in Science', which was introduced by him in this lecture.

Inspired by a list of the ten most beautiful experiments in science, curated by Prof. Robert Crease a philosopher and historian of science, Prof. Ghatak in his book has tried to describe the physics of the ten experiments with an aim that young students would appreciate the beauty and profoundness of each experiment.

The lecture began with lighting of a lamp by Prof. Ghatak followed by a welcome speech by Dr. Ritu Dhingra (TIC, Department of Physics). All the students from B.Sc. (H) Physics and B.Sc. (Prog.) Physical Sciences were present, along with the faculty, at this knowledge sharing session. Before introducing the audience with 'The Ten Most Beautiful Experiments in Science' Prof. Ghatak talked about the importance of education and the historical development



of science and education in India. He urged everyone to acknowledge the privilege of learning

and comprehension and to be proud of the revolutionary achievements in the field of science by the great minds of our country. He then proceeded with an exquisite description of the ten experiments. He referred to a large number of YouTube videos through which the students can acquire a greater appreciation of the beauty of each experiment. The students were fascinated by the wonderful lucid explanations of Eratosthenes' measurement of the Earth's circumference, and Cavendish's torsion-bar experiment. A number of such remarkably striking demonstrations of classic experiments like Newton's experiment on splitting a beam of sunlight into various colours when it falls on a glass prism and the double slit interference experiment with single electrons were elegantly discussed.



Prof. Ghatak summarised the talk by emphasising how each experiment is equally beautiful and important in the advancement of science. He quoted John Ruskin who defines 'beautiful' as

“Any material object which can give us pleasure in the simple contemplation of its outward qualities without any direct and definite exertion of the intellect, I call in some way, or in some degree, beautiful”

Prof. Ghatak was hopeful that from his lecture and book, the young students will feel enthused to learn and appreciate more of basic physics.

The lecture was followed by a quiz organized for the students by Prof. Ghatak himself. He generously gave 20 copies of his book as a prize to the winners of the quiz.

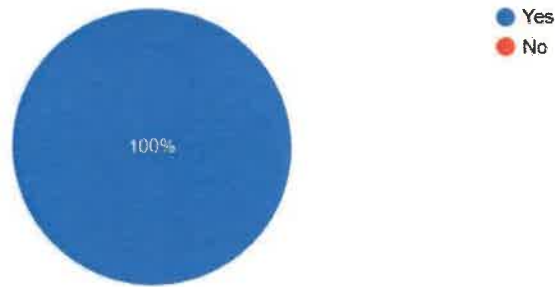


The lecture was a great success. It proved to be an opportunity of a lifetime for the students as they were enlightened by physics in its true form. It was truly a motivational and enriching experience for all the students and faculty present. The feedback of the lecture was very positive. The students got immensely motivated to dwell deeper into the fundamental principles of science and use them in their pursuit of further studies and research. Following are the responses from the feedback form. Each and every participant found the lecture very useful. They all gave very good ratings to the lecture.

Was the lecture useful for you?

 Copy

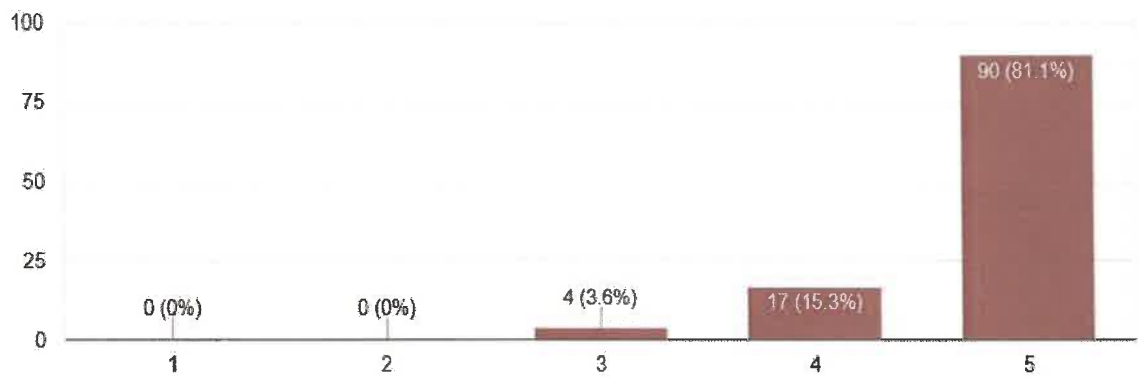
111 responses



How would you rate the lecture?

 Copy

111 responses



List of Participants

S.N	Email	Name (with title - Ms/Mr)	Phone Number	College	Course and Year
1	nazikadhimaan@gmail.com	Ms nazika	9882383615	Maitreyi college	Bsc honos physics 2nd year
2	monikasuthar880@gmail.com	Ms monika	7206552709	Maitreyi college	Bsc phy 2
3	preetinuniwal@gmail.com	Ms Preeti	9306818495	Maitreyi college	Bsc (H) physics

4	ravinakhardwal1309@gmail.com	Ms Ravina	8397981510	Maitreyi college	B.Sc.(H) Physics and 2n year
5	himaniyadav230@gmail.com	Ms. HIMANI YADAV	9311629423	Maitreyi College	B.Sc (H) Physics
6	shivanisinghbdn2993@gmail.com	Ms Shivani Singh	8218935629	Maitreyi College	B Sc (Hons) Physics, 2n year
7	purnimawadhwa685@gmail.com	Ms Purnima	9729848384	Maitreyi college	B.Sc(H) Physics
8	vaishalibagauli@gmail.com	Ms. Vaishali Bagauli	9639652721	Maitreyi College, University of Delhi	BSc (H) physics, 2nd year
9	Avantikayadav20002	Ms Avantika	9896189824	Maitreyi college	BSc(H) physics/3rd year
10	sharanyarenjit@gmail.com	Ms Sharanya Renjit	09811258548	Maitreyi	B.Sc(H)Physics
11	bhawnav128@gmail.com	Ms. Bhawna Verma	9711377371	Maitreyi	B.S.c.physics (h)
12	aasthaagarwal82183@gmail.com	Ms Aastha Agarwal	8218326523	Maitreyi College, University of Delhi	B.Sc. (Hons) Physics, 2 year
13	shreya122chtrvdi@gmail.com	Ms shreya chaturvedi	7651877759	Maitreyi college	B.Sc physics honors 2nd yea
14	simratkaur22002@gmail.com	MS. SIMRAT KAUR NANDA	8882284318	MAITREYI COLLEGE, UNIVERSITY OF DELHI	B.SC(H) PHYSICS
15	kumariankita24754@gmail.com	Ms Ankita	9053965254	Maitreyi college, du	Bsc physics hons 2nd year
16	tanujholri@gmail.com	Ms Tanu	9518860470	Maitreyi college	Bsc hons physics 2nd year
17	dhanag2000@gmail.com	Ms Garvita Dhanawat	8810246883	Maitreyi College	Bsc Hons Physics, 3rd year
18	20neha02yadav@gmail.com	Ms Neha Yadav	9350166716	Maitreyi college	Bsc(H) Physics

19	yuvika1114@gmail.com	Ms Yuvika Thakur	9971972377	Maitreyi College	Bsc honors physics 1year
20	bhardwajmeghaa8@gmail.com	Megha Bhardwaj	9319077478	Maitreyi college	BSc Hons physics an second
21	Tanishkaran3993@gmail.com	Ms. Tanishka Rana	8899019086	Maitreyi college	Bsc physics (hons) and 1st year
22	bijarniasalonee@gmail.com	Ms Salonee Bijarnia	8890677658	Maitreyi College	BSc Physic Honours
23	dhimandeepali54@gmail.com	Ms DEEPALI DHIMAN	1899	Maitriye college	Bsc hons physics 3rd year
24	mansi6.tewatia@gmail.com	Ms Mansi Tewatia	8595096822	Maitreyi college	B.Sc(H) Physics, 2nd year
25	bhavna.d0808@gmail.com	Ms Bhavna Dargan	8077751368	Maitreyi College	Physics honours (II year)
26	pravishtti01@gmail.com	Ms Pravishti Gautam	8742902780	Maitreyi college	Bsc(H) physics
27	Av644499@gmail.com	Ms deepanshi verma	9528786282	Maitreyi college	Bsc phy hons(1st yr)
28	sharmavaishali0102@gmail.com	Ms. Vaishali Sharma	9877097908	Maitreyi College	Bsc (H) Physics , 2nd year
29	tanuyadavkk@gmail.com	Ms. Tanu	8529323305	Maitreyi College	Physics Hons.
30	simranhonour2003@gmail.com	Ms Simran	8950278751	Maitreyi College	Bsc(H) physics
31	sharmila12012002@gmail.com	Ms Sharmila	8287388850	Maitreyi College	B.Sc Physics Hons ;2nd year
32	bhawnasinghchaudhary126@gmail.com	Ms Bhawna Singh	7303758918	Maitreyi College	BSc physics hons,first year
33	neha.singh0500@gmail.com	Ms Neha Singh	9969827318	Maitreyi College	BSc Hons Physics
34	poojaydv60@gmail.com	Pooja Kumari	9899354331	Maitreyi College	B.Sc.Physics Hons
35	nimishasagar05@gmail.com	Ms nimisha sagar	7048948226	Maitreyi college	B.SC.(H) physics and 2nd year
36	kirtibhagia02@gmail.com	Ms. Kirti Bhagia	9810844426	Maitreyi College	Bsc. H Physics 2nd yr

37	renukaubba8295@gmail.com	Ms Renuka	8295918221	Maitreyi college	Bsc (Hons.) Physics 1st
38	jeaumishr@gmail.com	Ms Jeau Mishr	9109998781	Maitreyi College	BSc (hons) Physics, 1st Year
39	dikshasharma22284@gmail.com	Ms Diksha Sharma	8290680069	Maitreyi college	BSC hons physics,3rd year
40	dhruviagrawal1@gmail.com	Ms. Dhruvi Agrawal	8130470660	Maitreyi,DU	B.Sc(H) Physics 2nd year
41	nayakpranjal91@gmail.com	Ms. Pranjal Nayak	8462961488	Maitreyi College	Bsc Hons Physics
42	soniachahar9588@gmail.com	Ms. Sonia	9588590889	Maitreyi College	B. Sc. (H) Physics, 3rd year
43	anshitasharma9117@gmail.com	Ms Anshita sharma	9117285502	Maitreyi college	Bsc Hons physics 1sy year
44	toshniwaljiya@gmail.com	Ms Jiya Toshniwal	7878154328	Maitreyi college	Bsc hons physics 1st year
45	mamtasharma8755423267@gmail.com	Ms Khushi	7505651510	Maitreyi college	Bsc physics honour's 1st yea
46	Sajjalsingh956@gmail.com	Ms saijal	9520319131	Maitreyi college	Bsc hons physics / 2020
47	kumari989118@gmail.com	Ms Priyanka Kumari	9891184626	Maitreyi College	Bsc. (Hons.) Physics
48	rishikamittal06@gmail.com	Ms. Rishika Mittal	8447098914	Maitreyi college	Bsc(H) Physics and 2nd year
49	rajvirrailway69@gmail.com	Ms Dipti Malik	9356014407	Maitreyi college	Bsc Physcis hons
50	ishiarshi@gmail.com	Ms. Ishita arora	8173980205	Maitreyi college	Physics honours 3rd year
51	Gunjandhingra08885@gmail.com	Ms. Gunjan Dhingra	7888763864	Maitreyi	Bsc(H) Physics, 3rd year
52	ananyabishnoi2918@gmail.com	Ms. Ananya	7988255435	Maitreyi college	Bsc physics hons first year

53	jangidbhawna67@gmail.com	Ms.Bhawna Jangid	8950761911	Maitreyi College	B.Sc.(Hons.)Physics
54	sakshinarware9@gmail.com	Ms Archana	8448549536	Maitreyi College	Bsc (H) Physics
55	nidhirana32000@gmail.com	Ms Nidhi Rana	9306228436	Maitreyi college	Bsc(h)physics, 3rd year
56	nehdeswal@gmail.com	Ms Neha Deshwal	8396844244	Maitreyi College	Bsc Physics hon 3rd year
57	sachdevapayal10@gmail.com	Ms Payal Sachdeva	9119041044	Maitreyi College	BSc(H) Physics (3rd year)
58	kholasakshi@gmail.com	Ms Sakshi	8930772256	Maitreyi	Bsc(H) Physucs 3rd year
59	yadavparul283@gmail.com	Ms Parul yadav	9350992581	Maiteryi College	Bsc phy hon 1st year
60	arshitarathi720@gmail.com	Ms Harshita	7206848074	Maitreyi college	Bsc physics honour,2 nd year
61	anjalitripathi15112001@gmail.com	Ms Anjali	9958780663	Maitreyi college	BSC(H) physics (3rd year)
62	sakshidadheech123@gmail.com	Ms Sakshi dadheech	9958881670	Maitreyi college	Bsc (H) physics and 2nd year
63	sokhalamanjot54@gmail.com	Ms.Amanjot	8295648841	Maitreyi college	BSC hon physics 1st year
64	deepyadav2812@gmail.com	Ms.Deepika	8569971105	Maitreyi College	Bsc.physics hon.1st year
65	Passionateshiva18@gmail.com	Ms shiva raj	9142620972	Maitreyi college	Bsc physics (hons)
66	Chauh6	Ms Vishakha	8954407569	Maitreyi college	Physics and 2year
67	riyankayadav9876544@gmail.com	Miss Priyanka	7206008373	Maitreyi College	Physics honours 1st year
68	riddhidwivedi10@gmail.com	Ms Riddhi Dwivedi	9151312297	Maitreyi	Bsc hon. (physics)
69	riagoel03@gmail.com	Ms Ria Goel	9871580140	Maitreyi College	B.Sc(H) Physics 2nd year
70	ritikakichloo24802@gmail.com	Ms ritika kichloo	9319952330	Maitreyi college	Bsc physics hon 2nd year
71	anjalitripathi15112001@gmail.com	Ms. Anjali	9958780663	Maitreyi college	BSC(H) physics
72	saksheesuravi168@gmail.com	Sakshee Suravi	7903741691	Matreyi	B.Sc physics Hons,2

73	soumyabajpai2003@gmail.com	Soumya Bajpai	7879676807	Maitreyi College	BSc Honors Physics 1st year
74	poojamaan1811@gmail.com	Ms Pooja Maan	8824770499	Maitreyi college	B.sc (h) Physics 3 rd year
75	pooniakhushi7@gmail.com	Ms Khushi	6375140020	Maitreyi College	BSc(H) Physics
76	snehasanjaysirohi@gmail.com	Ms Sneha	9548173383	Maitreyi college	Bsc Physics honors, final year
77	nehadingra609@gmail.com	Ms. Neha	6283623135	Maitreyi	Bsc (H) physics, 3rd year
78	anchalpandey422@gmail.com	Ms. Anchal Pandey	6392334032	Maitreyi college	Bsc honors.physics 3rd year
79	shakshikardam8@gmail.com	Ms Shakshi	9310386609	Maitreyi college	Bsc Hons physics
80	avnikatyagi19@gmail.com	Ms Avnika Tyagi	9811747927	Maitreyi College	Bsc (H) Physics
81	manishakamania2@gmail.com	Ms Manisha	9350045217	Maitreyi college	B.Sc(H) Physics
82	tanubondwal55@gmail.com	Tamanna	9053941395	Maitreyi College	BSc physics (H)
83	aswalshreya.227@gmail.com	Ms Shreya Aswal	9654489693	Maitreyi College	B.Sc.(H) Physics and 3rd year
84	deshwalsonia60@gmail.com	Ms. Sonia	8307829917	Maitreyi college	B.Sc Physics honours, 3r year
85	anjulratan@gmail.com	Ms Anjul	9461254312	Maitreyi college	B.sc. (h) physics
86	shakshikardam8@gmail.com	Ms Shakshi	9310386609	Maitreyi college	BSC physics honors
87	shivangiverma122001@gmail.com	Ms	9999562660	Maitreyi College	Bsc(H) Physics
88	simratkaur22002@gmail.com	Ms	8882284318	MAITREYI COLLEGE, UNIVERSITY OF DELHI	B.Sc(H) Physics, 2nd Year
89	khushisr540@gmail.com	Khushi	8595624772	Maitreyi	Bsc phy(1)
90	purnimawadhwa685@gmail.com	Ms.Purnima	9729848384	Maitreyi College	B.Sc(H) Physics
91	renukaubba8295@gmail.com	Ms Renuka	8295918221	Maitreyi college	Bsc.physics (hons.)

92	ravinakhardwal1309@gmail.com	Ms Ravina	8397981510	Maitreyi college	B.Sc.(H) Physics and 2n year
93	shivanisinghbdn2003@gmail.com	Ms Shivani Singh	8218935629	Maitreyi College, DU	B.Sc.(Hons.) Physics
94	monikasuthar880@gmail.com	Ms Monika	7206552709	Maitreyi college, Delhi University	BSc. Physics (hon.)
95	pravisht01@gmail.com	Ms Pravishti Gautam	8742902780	Maitreyi college	Bsc(H) physics
96	bhawnav128@gmail.com	Ms. Bhawna Verma	9711377371	Maitreyi college	B.Sc.(H) Physics
9	atelish1499@gmail.com	Ms Isha Patel	9302506023	Maitreyi college	Bsc physics honors first year
98	jangravinisha@gmail.com	Ms vinisha	9275503806	Maitreyi college	Bsc(h) physics,2 nd year
99	jeaumishr@gmail.com	Ms Jeau Mishr	9109998781	Maitreyi College, University Of Delhi	Bsc (hons) Physics, 1st Year
100	deepyadav2812@gmail.com	Ms. Deepika	8569971105	Maitreyi College	Physics honors.1st year
101	harshitarathi720@gmail.com	Harshita	7206848074	Maitreyi college	Bsc physics honour,2nd year
102	sokhalamanjot54@gmail.com	Ms.Amanjot	8295648841	Maitreyi college	B.Sc honours physics 1st year
103	yadavparul283@gmail.com	Ms. Parul yadav	9350992581	Maitreyi College	Bsc phy honors -1st year
104	anjulratan@gmail.com	Ms Anjul	9461254312	maitreyi college	B.sc.(H) physics 2nd year
105	barnalidebnath2002@gmail.com	Ms Koyel Debnath	7628914782	Maitreyi college	Physics honours (1st year)
106	Pinkig1345@gmail.com	Ms pinki	9654030860	Maitreyi College	Bsc honors physics 2nd year
107	simranhonour2003@gmail.com	Ms Simran	8950278751	Maitreyi College	2021/1289
108	jangidbhawna67@gmail.com	Ms. Bhawna Jangid	8950761911	Maitreyi College	B.Sc. (H) Physics
109	sakshinarware9@gmail.com	Ms. Archana	8448549536	Maitreyi College	Bsc (H)Physics ,3rd year

110	yogitasharma3402@gmail.com	Ms yogita sharma	9001658302	Maitreyi college du	Bsc physics hon
111	Tanishkarana3993@gmail.com	Ms. Tanishka Rana	8368522804	Maitreyi college	Bsc physics (hona) and 1st year


Dr. Ritu Dhingra

Convenor & TIC, Department of Physics

Alumni Interaction on Career Counselling

Department of Physics, Maitreyi College organised a career counselling session on Nov 14, 2021 on google meet platform for the students of Physics Honours and Physical Science. In all fifty students attended this interaction event. Two of our invited distinguished alumni were:

1. Ms. Mani Khurana- Scientific Officer, Bhabha Atomic Research Centre and
2. Ms. Tusha- Vigyan Prasar, Department of Science and Technology

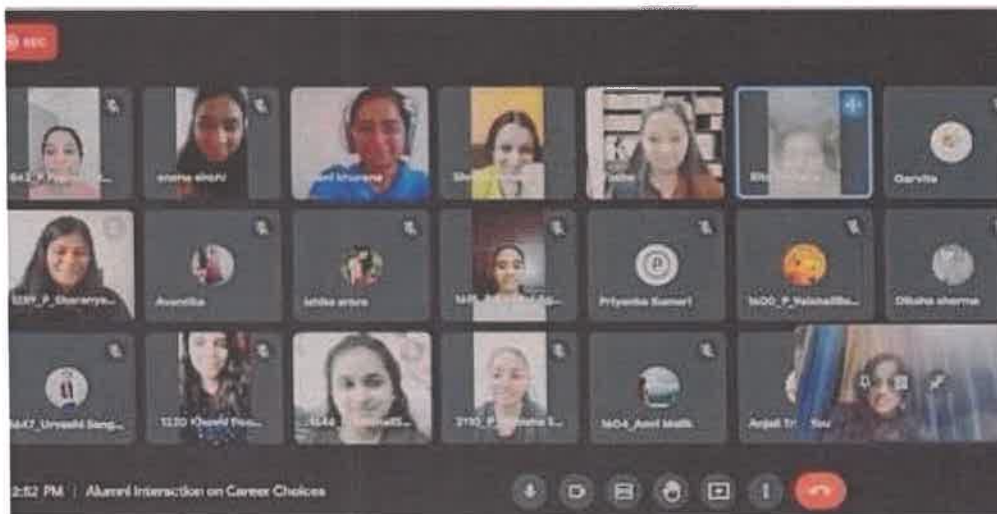
The event started with the welcome of both the alumni by Dr Prajwalit Shikha. After giving a brief introduction Ms. Tusha was first invited to interact with students. She emphasized to students to have the right attitude towards a particular goal, keep on applying for various internships, and look for various avenues available at particular online sites. She also guided her juniors to build various skills required for a particular career etc.

Ms. Mani talked about how she undertook her journey from Maitreyi to Bhabha Atomic Research Centre which was full of struggle. She said that any hardship could be overcome with determination and hard work.

CAREER COUNSELLING
by our
Distinguished Alumni
November 14, 2021
Via Google Meet

Ms. Tusha
Project Associate
Vigyan Prasar
Department of
Science &
Technology

**Ms. Mani
Khurana**
Scientific Officer
Bhabha Atomic
Research
Centre



The students had various queries which were answered by both Mani and Tusha. The students had some common questions regarding the importance of getting admission in

a big institute for success and the right ways of looking for career opportunities. Mani also gave some tips on how to prepare for national level exams like GATE, JAM, JEST etc. and the importance of clearing these exams.

Both the alumni shared their contacts with the students and invited them to send their queries via mail for future communication.

Following are a few chats shared by the audience

1646_P_VaishaliSharma: Thankyou mam , for such an informative session . Mam you used a word " data analysis" . It is just a general query , that can a physics student do masters in Data analysis/science if we have interest in coding and how to get into it ?

Saranya R P: how is the physics department of other central universities like jnu, bhu etc.

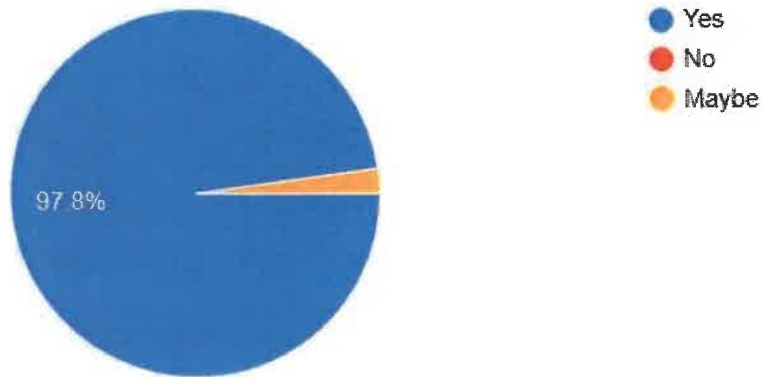
843_P Pranshi Mathur: Hello, I'm Pranshi and I'm in second year right now. I'm very interested in the fields of astrophysics and also in particle physics. So what can I do to prepare for these internship projects and further research projects in the future? How should I study?

The students were very happy to get a chance to interact with their own old college seniors and asked for more events of similar kind in future. With the vote of thanks by Dr. Ritu Dhingra the session was concluded.

A feedback form was circulated among students and their responses were recorded. Students liked the event and recommended more such interactions. They could relate themselves with much more openness with their seniors. Almost all students were satisfied with the event and rated the event between 4 and 5 on a scale of 5. Following are the responses of the feedback form.

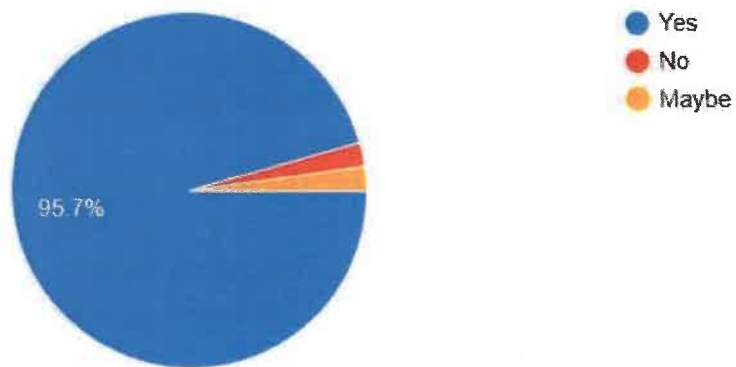
Was the session useful for you?

46 responses



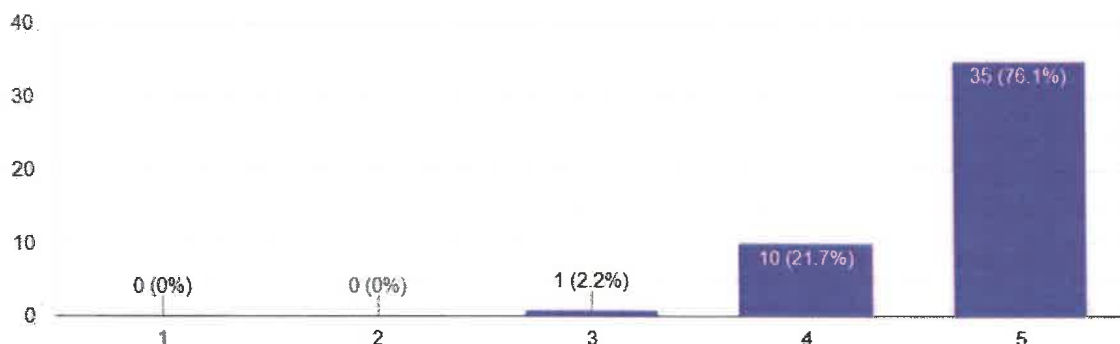
Wil you like such interactions to be conducted more frequently?

46 responses



How do you rate the overall interaction on a scale of 5 with 5 being the highest score?

46 responses



Significance of the event : Career Counselling

Level: College Level

Date : 14-11-2021

Name of the organizing Department: Department of Physics

Link for the session: <https://meet.google.com/pzt-gauz-emj>

Name of the convenor of the event: Dr. Ritu Dhingra

Total Number of the beneficiaries (with relevant proofs): 46

Number of the beneficiaries from college: 46

List of the beneficiary Students:

S.No.	Name	Roll Number	Course
1	NISHA	1235	B. Sc. Physical Sciences 3rd year
2	Sakshi Dadheech	1607	B.Sc.(H) Physics- 2nd year
3	Vaishali Sharma	1646	B.Sc.(H) Physics- 2nd year
4	Tanu	19/1395	B.Sc.(H) Physics- 3rd year
5	SHREYA ASWAL	19/1645	B.Sc.(H) Physics- 3rd year

6	Garvita Dhanawat	19/1426	B.Sc.(H) Physics- 3rd year
7	Nidhi Rana	1707	B.Sc.(H) Physics- 3rd year
8	Sharanya Renjit	1259	B.Sc.(H) Physics- 2nd year
9	Anvi Malik	1604	B.Sc.(H) Physics- 2nd year
10	Himani Yadav	1567	B.Sc.(H) Physics- 2nd year
11	Gunjan	19/1747	B.Sc.(H) Physics- 3rd year
12	MANISHA	19/433	B.Sc.(H) Physics- 3rd year
13	Nimisha sagar	2110	B.Sc.(H) Physics- 2nd year
14	Payal Sachdeva	19/1216	B.Sc.(H) Physics- 3rd year
15	Sakshi	1244	B.Sc.(H) Physics- 3rd year
16	Avantika	19/1404	B.Sc.(H) Physics- 3rd year
17	Akshita Tyagi	19/819	B. Sc. Physical Sciences 3rd year
18	Priyanka Kumari	19/1685	B.Sc.(H) Physics- 3rd year
19	Vaishali Bagauli	2020/1600	B.Sc.(H) Physics- 2nd year
20	Sneha	19/1746	B.Sc.(H) Physics- 3rd year
21	Monika	1470	B.Sc.(H) Physics- 2nd year
22	Harshita	841	B.Sc.(H) Physics- 2nd year
23	SIMRAT KAUR NANDA	1652	B.Sc.(H) Physics- 2nd year
24	Pranshi Mathur	843	B.Sc.(H) Physics- 2nd year
25	Khushi	19/1220	B.Sc.(H) Physics- 3rd year
26	Avnika Tyagi	1306	B.Sc.(H) Physics- 2nd year
27	Khushi	19/1220	B.Sc.(H) Physics- 3rd year
28	Manisha	19/433	B.Sc.(H) Physics- 3rd year
29	Sonia	19/837	B.Sc.(H) Physics- 3rd year
30	Archana	1739	B.Sc.(H) Physics- 3rd year
31	Payal Sachdeva	19/1216	B.Sc.(H) Physics- 3rd year
32	Neha Singh	1792	B.Sc.(H) Physics- 3rd year
33	Sakshi dadheech	1607	B.Sc.(H) Physics- 2nd year
34	Monika	1470	B.Sc.(H) Physics- 2nd year


35	Saijal	2068	B.Sc.(H) Physics- 2nd year
36	Anjul	1883	B.Sc.(H) Physics- 2nd year
37	Mansi	1061	B.Sc.(H) Physics- 2nd year
38	Sharanya Renjit	1259	B.Sc.(H) Physics- 2nd year
39	Harshita	841	B.Sc.(H) Physics- 2nd year
40	Nimisha sagar	2110	B.Sc.(H) Physics- 2nd year
41	Neha	958	B.Sc.(H) Physics- 3rd year
42	Pooja Maan	19/766	B.Sc.(H) Physics- 3rd year
43	Priyanka Kumari	1685	B.Sc.(H) Physics- 3rd year
44	Tamanna	19/833	B.Sc.(H) Physics- 3rd year
45	Shivangi	1905	B.Sc.(H) Physics- 3rd year
46	Anchal pandey	19/0998	B.Sc.(H) Physics- 3rd year

Ritu Dhingra

(Dr. RITU DHINGRA)

TIC, Dept. of Physics

Report on Orientation Programme for first year Physics Honours held on 22nd November 2021



Department of Physics, Maitreyi College
invites you to an **Orientation Programme**
At 10.00AM on 22nd November, 2021.
Google Meet Link: meet.google.com/kby-tkqi-up

An Online Orientation Programme was held for first year Physics Honours students on 22nd November 2021 by the Department of Physics on Google Meet through the link meet.google.com/kby-tkqi-upx. The programme started with a welcome for the students. All the senior faculty members welcomed and addressed the students. The programme was in the form of a slide presentation which included an introduction with the faculty members of the department. Glimpses of the Physics Lab and infrastructure available in the department of Physics were also shown to the new entrants of the Department.

To encourage students to work hard they were apprised about the accomplishments of various alumni of the department. The details of the research projects undertaken by the students and faculty members in the college were also shared with our new students. A brief introduction of the Physics Society 'Scintillations' was also given to them. They were also informed about several activities and annual festival 'Quest' organised by the department. The various outreach activities in which the senior students

of second and third years were involved were also mentioned in this programme.

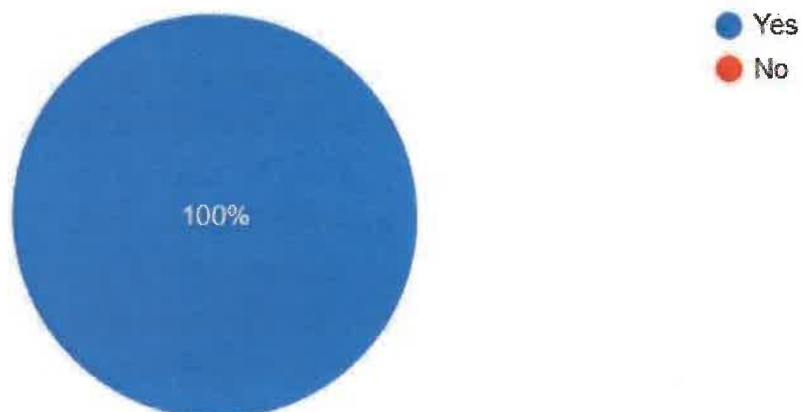


Students were also informed about the curriculum, various papers and options of the B.Sc. Hons. Physics course in detail. In the end their queries were addressed by the faculty members of the department.

A feedback form was also shared with the students in which they all were satisfied with the content and organisation of the event. All of them wanted more events to be organised by the department in future.

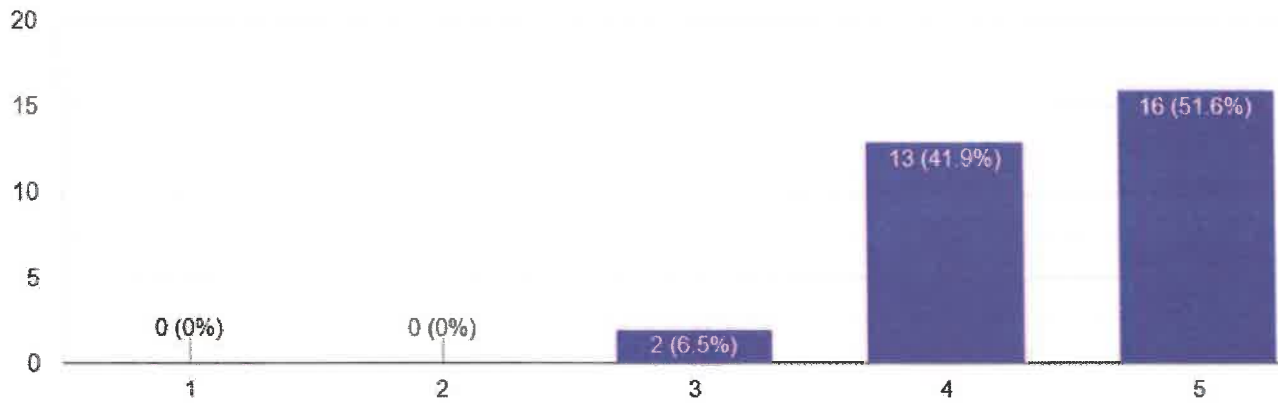
Will you take part or organise such events in the Department of Physics in future?

31 responses



How did you rate this Orientation Programme on a scale of 1-5?

31 responses



The following students attended the event.

No.	Name	Roll No.
1	Isha Patel	1758
2	Ananya	1197
3	Bhawna Singh	1296
	Yuvika Thakur	1303
5	Jiya Toshniwal	1195
6	Bhawna Jangid	1857
7	KHUSHI	1652
8	Simran	1289
	Pravishti	
9	Gautam	1196
10	Riddhi Dwivedi	1357
11	Pranjal Nayak	2215
12	Tanishka Rana	1827
	SULAGNA	
13	SAHA	1199
14	Dipti Malik	1306
15	Koyel Debnath	1749
16	Shiva raj	1943
17	Varalika Kumar	1295

18	Anciya V R	1320
19	Anshita sharma	1653
20	PRIYANKA	1482
21	Anshika joshi	1524
22	Koyel Debnath	1749
23	Deepanshi verma	1565
24	Sonia Singh	1668
25	Renuka	1571
26	Priya kumari	2121
27	Dipti Malik	1306
28	Parul Yadav	1310
29	Soumya Bajpai	1294
30	anshita sharma	1653
31	Manisha	0003

Event; IUAC -WEBINAR AND VIRTUAL VISIT ON NATIONAL SCIENCE DAY

Level: College Level

Date : 28-02-2022

Name of the organizing Body; IUAC

**Name of the participating Department: Department of Physics
Link of the Meeting;;**

[://iuac.webex.com/iuac/j.php?MTID=m0088a801ff9a952a11fc0b0b85297680](https://iuac.webex.com/iuac/j.php?MTID=m0088a801ff9a952a11fc0b0b85297680)

Name of the convenor of the event: Dr. Ritu Dhingra

Number of the beneficiaries from college:16

Report:

IUAC WEBINAR AND VIRTUAL VISIT

On the occasion of the National Science Day, Inter University Accelerator Centre (IUAC), New Delhi organized an open house wherein students of B.Sc. Honours Physics were invited to interact with an eminent Physicist/Scientist of the country. The students were also given a virtual tour of the accelerator and the experimental facilities at IUAC to spread an awareness about the accelerator based research going on in the country and inspire them to pursue a career in Physics. However, due to the ongoing COVID 19 pandemic the program was organized in a virtual mode..

The online programme commenced at 10:30 A.M.. on Monday, 28th February 2022 and was hosted on the Cisco Webex platform. Only a maximum of 15 students of B.Sc. Physics along with a faculty member were invited for this event.

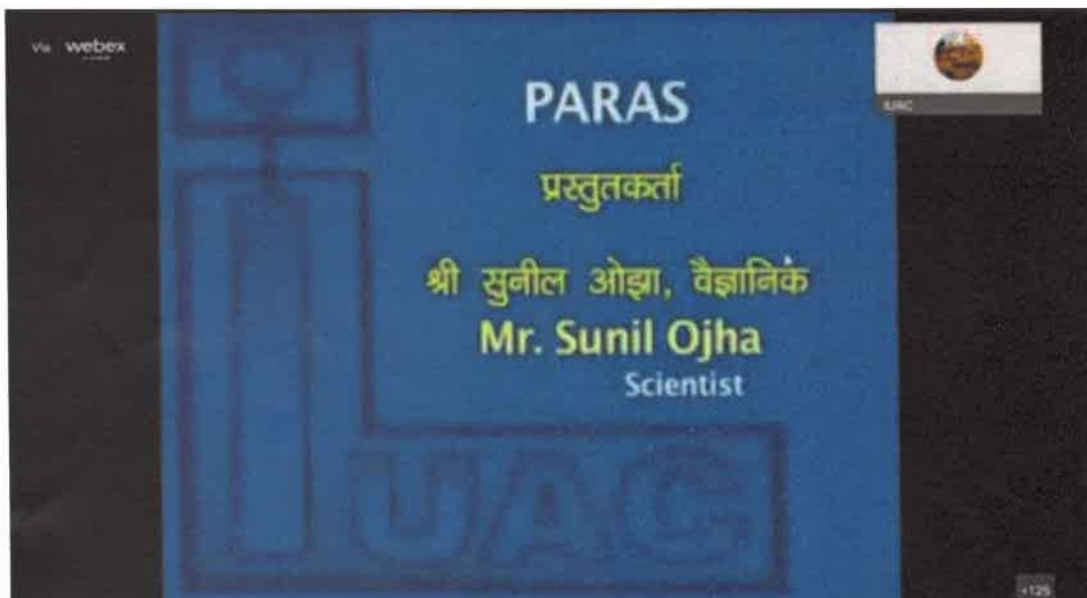
The event commenced with a welcome address by Prof. Avinash Chandra Pandey, Director, IUAC. He started with a few words on Sir C.V Raman and a brief introduction of IUAC facilities. He gave insights into the Raman effect and Raman scatter. He also explained about the phenomenon of nuclear fusion, and talked about moving towards a nuclear weapon free world.

The keynote speaker, Prof. Ashoke Sen, ICTS-Infosys Madhava Chair Professor, International Center for Theoretical Sciences, Bengaluru gave a talk on the topic 'Future of our universe'.

This was followed by a virtual lab tour of the IUAC, where the students were shown the particle accelerators and a few experimental facilities of IUAC. Also Pelletron control room, Linear Accelerator(LINAC), Hybrid Recoil Mass Analyzer(HYRA) and Indian National Gamma Array(INGA) were also virtually showcased to the students..

The session was educational and inspirational and a good learning opportunity for all the students and teachers alike.

This was followed by the vote of thanks and our National anthem.



Indian National Gamma Array (INGA)

प्रस्तुतकर्ता

डॉ. आर.पी.सिंह, वैज्ञानिक

Dr. R. P. Singh

Scientist

Via webex

High Current Injector
(HCI)

प्रस्तुतकर्ता
डॉ. राजेश हरिवाल, वैज्ञानिक
Dr. Rajesh Hariwal
Scientist

UAC

+147

Via webex

Hybrid Recoil Mass Analyzer
(HYRA)

प्रस्तुतकर्ता
डॉ. एन.माधवन, वैज्ञानिक
Dr. N. Madhavan
Scientist

BS
Sat Sharma

+126

via webex

मैटेरियल्स साइंस (बीम हॉल-II)
Materials Science(Beam Hall-II)

प्रस्तुतकर्ता
डॉ. अम्बुज त्रिपाठी, वैज्ञानिक
Dr. Ambuj Tripathi
Scientist

UAC

UAC

Dr. Ritu Dhingra (Dr. RITU-DHINGRA)
TIC, Dept. of Physics

6th Dr Savita Datta Memorial Lecture

National/International/Inter-University/State Level/College Level: College

Date (DD-MM-YYYY): 30-09-2022

Name of the organizing Department/Society: Physics

Name of the convenor/coordinator of the event: Dr Poonam Juneja

Resource Persons (alongwith their affiliation): Prof. A.K. Bakshi

Total Number of the participants/beneficiaries (with relevant proofs):

Number of the participants/beneficiaries from college:150

Report of the event:

The Department of Physics, Maitreyi College organized the 6th Dr. Savita Datta Memorial Lecture on *“Achieving Excellence in Higher Education in India in the 21st Century: Challenges and Opportunities”* by Prof. A. K. Bakshi on September 30, 2022 in the Video Conferencing Hall in hybrid mode. The event was attended by family members of Dr Datta, students and lab staff from across various disciplines and also the administrative staff of the college.

Prof. Bakshi is currently posted as Chairman of Centre for e-Learning as well as Chairman of Guru Angad Dev Teaching – Learning Centre (a Centre of the MHRD Govt. of India) both located at SGTB Khalsa College, University of Delhi. Prof. Bakshi did his post-doctoral training at the University of Erlangen-Nurnberg and is recognized as one of the best teachers of Chemistry in the country. He has also the distinction of being one of the first persons from the Universities in India to have been selected as the Member Scientist of the “Third Indian Research Expedition to Antarctica” in 1984.

The event began with the welcoming of the speaker by Dr Poonam Juneja (TIC, Physics Department) and Principal, Prof. Haritma Chopra, followed by Saraswati Vandana and lamp lighting. A brief presentation on the life of Late Dr. Savita Datta was shown in remembrance of her achievements and contributions in various fields – education, research, college and University administration.

Prof. Bakshi talked about the current higher education scenario in India. He elucidated how the education system doesn't encourage creativity because it is based on kindergarten techniques which focus on answers only. The teaching learning process should be a learner's activity where students remain engrossed in learning by doing. He emphasized on the need of upgrading the entire evaluation system. He also mentioned the necessary factors for the 21st century education system

that would be based on new teaching methods, thinking based curriculum and upgraded marking system.

His talk was highly motivational and encouraged all. Students and other staff asked many questions which Prof. Bakhshi answered patiently. The three best questions were selected and awarded. They took away their share of learning from the lecture in a grateful way.

The event ended with the Vote of Thanks being delivered by Dr Veena Mishra.

Poster of the event:

DEPARTMENT OF PHYSICS
MAITREYI COLLEGE
(NAAC Accredited 'A' Grade)
UNIVERSITY OF DELHI
cordially invites you to the

6
Dr. Savita Datta Memorial Lecture

on
Achieving Excellence in Higher Education in India in the 21st Century: Challenges and Opportunities

Join us
SEMINAR HALL, LIBRARY + ZOOM at 11:00 AM, September 30, 2022

Prof. A. K. Bakhshi
Chairman, National Resource Centre of Chemistry of MoE, Govt. of India
Chairman, Guru-Angad Dev Teaching Learning Centre of MoE and Centre for e-Learning at SGTB Khalsa College, University of Delhi
Former Vice-Chancellor, PDM University, Bahadurgarh, Haryana
Executive Director, Tertiary Education Commission, Mauritius
Director, ILLI, University of Delhi
Director, CPDHE, University of Delhi

e-Certificates will be provided to all participants after filling the feedback form
Registration link: <https://forms.gle/d9KZsAQui4ACEFua9>

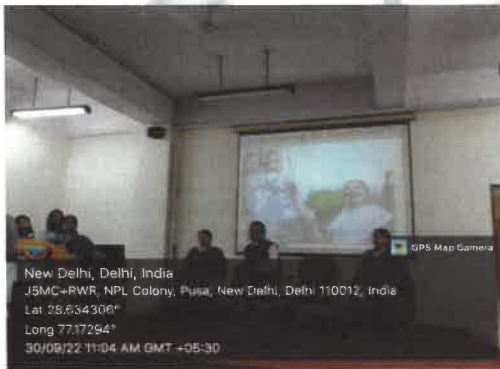
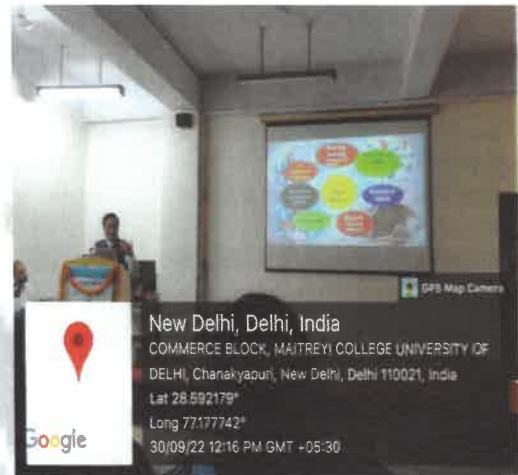
Convenor:
Dr. Poonam Juneja
TIC, Department of Physics

Patron:
Prof. Haritma Chopra
Principal (Offg.), Maitreyi College

Online meeting link:

<https://us06web.zoom.us/j/87540006053?pwd=R244eEFrVmFMQzgxZGdCc3c4Tm16QT09>

Geotagged photographs of the event:



Significance of the event (Outreach/Soft Skill Development/Curriculum Enrichment, etc.):

The lecture by Prof. Bakhshi provided an opportunity to all listeners to think about the scenario of higher education in our country. They were able to relate with what is lacking and how best can we change the system to prepare today's generation for tomorrow. They understood the need to have a skill-based and industry led curriculum, with the teacher being equally ready. The quality of research was not of global standards because of outdated syllabi. The need to revamp the education system and bring innovation in all aspects was appreciated by all.

It was truly a motivational and enriching experience for all.

Name of the Prize holders (if any) alongwith their affiliation:

1. Bhavana (B. Sc. (H) Physics II year, Maitreyi College)
2. Urvashi Sangrola (B. Sc. (H) Physics III year, Maitreyi College)
3. Vaishali and Astha (B. Sc. (H) Physics III year, Maitreyi College)



Signature of the Convenor

(Dr. Poonam Juneja)

List of participants (September 30, 2022)

S. No.	Name	Course
1.	Manisha	B. Sc. (H) Physics II year
2.	AADITRI SARASWAT	B. Sc. Physical Sc.
3.	AARTI	B. Sc. Physical Sc. II year
4.	AASTHA AGARWAL	B. Sc. (H) Physics III year
5.	AAYUSHI	Bsc.Physical science with chemistry (3 year)
6.	ADITI	B. Sc. Physical Sc. II year
7.	AKSHITA	B. Sc. Physical Sc. II year
8	AMANJOT	B. Sc. (H) Physics II year
9	Amisha yadav	B. Sc. Physical Sc.
10	ANANYA	B. Sc. (H) Physics II year
11	ANCHAL	B. Sc. Physical Sc. III year
12	Anjul	B. Sc. (H) Physics III year
13	ANSHIKA	B. Sc. Physical Sc. III year
14	ANSHIKA JOSHI	B. Sc. (H) Physics II year
15	ANURA DUBEY	B. Sc. Physical Sc. III year
16	AVNIKA TYAGI	B. Sc. (H) Physics III year
17	BHARTI	B.A.Programme II Year
18	BHAVNA	B. Sc. (H) Physics III year
19	BHAWNA JANGID	B. Sc. (H) Physics II year
20	BHAWNA SINGH	B. Sc. (H) Physics II year
21	BHAWNA VERMA	B. Sc. (H) Physics III year
22	CHANDANI KHATRI	B. Sc. Physical Sc. II year
23	DEEPANSHI VERMA	B. Sc. (H) Physics II year
24	DEEPIKA	B. Sc. (H) Physics II year
25	DHRUVI AGRAWAL	B.Sc(H) physics
26	DIVYA	B. Sc. Physical Sc. III year
27	DIKSHA	B. Sc. Physical Sc. II year
28	EKTA	B. Sc. Physical Sc. III year
29	Harshita	B. Sc. (H) Physics III year
30	Isha Joshi	B. Sc. Physical Sc. III year
31	ISHA SUHAG	B. Sc. Physical Sc. III year
32	Jeau Mishr	B. Sc. (H) Physics II year
33	JIYA TOSHNIWAL	B. Sc. (H) Physics II year
34	JYOTI KUMARI	B. Sc. Physical Sc. II year
35	JYOTI SAHNI	
36	KANIKA JOSHI	B. Sc. life science II year
37	KHUSHI	B. Sc. (H) Physics II year
38	KHUSHI	B. Sc. Physical Sc. III year
39	KIRTI BHAGIA	B. Sc. (H) Physics III year

S. No.	Name	Course
40	MANISHA KUMARI	B. Sc. Physical Sc. II year
41	MANSI	B. Sc. Physical Sc. III year
42	MANSI TEWATIA	B. Sc. (H) Physics III year
43	MEGHA BHARDWAJ	B. Sc. (H) Physics III year
44	MONIKA	B. Sc. (H) Physics III year
45	MONIKA	BA Prog. (Pol. Sc. & Sociology) III year
46	MUSKAN KUMARI	B. Sc. Physical Sc. III year
47	NIDHI	B. A. Hindi (H) III year
48	NIKITA SHAKLAN	B. Sc. Physical Sc. III year
49	NIMISHA SAGAR	B. Sc. (H) Physics III year
50	NISHI THAKUR	B. Sc. Physical Sc. II year
51	NISHITA SHAKLAN	B. Sc. Physical Sc. III year
52	PARIDHI CHOUDHARY	B. Sc. Physical Sc. III year
53	Parul Yadav	B. Sc. (H) Physics II year
54	PINKI	B. Sc. (H) Physics III year
55	POOJA KUMARI	B. Sc. (H) Physics III year
56	PRANJAL NAYAK	B. Sc. (H) Physics II year
57	PRANSHI MATHUR	B. Sc. (H) Physics III year
58	PRIYANKA	B. Sc. Physical Sc. III year
59	PRIYANKA	B. Sc. (H) Physics II year
60	PRIYANKA KUMARI	B. Sc. (H) Physics III year
61	PRIYANSHI VERMA	B. Sc. Physical Sc. III year
62	PURNIMA	B. Sc. (H) Physics III year
63	RAVINA	B. Sc. (H) Physics III year
64	RENU	B. Sc. Physical Sc. III year
65	RIA GOEL	B. Sc. (H) Physics III year
66	RIDDHI DWIVEDI	B. Sc. (H) Physics II year
67	RISHIKA MITTAL	B. Sc. (H) Physics III year
68	RITIKA	BA Prog. II year
69	RITIKA KICHLOO	B. Sc. (H) Physics III year
70	Ritu	B. Sc. Physical Sc.
71	RUCHIKA	B. Sc. Physical Sc. II year
72	SAIJAL	B. Sc. (H) Physics III year
73	SAKSHEE SURAVI	B. Sc. (H) Physics III year
74	SAKSHI	B. Sc. Physical Sc. III year
75	SAKSHI DADHEECH	B. Sc. Physical Sc. III year
76	Sarala R L	B. Sc. Physical Sc. II year
77	SHARANYA RENJIT	B. Sc. (H) Physics III year
78	SHARMILA	B. Sc. (H) Physics III year
79	Shiva raj	B. Sc. (H) Physics II year
80	SHIVANI JOSHI	B. Sc. Physical Sc.
81	SHIVANI SINGH	B. Sc. (H) Physics III year

Educational Visit to National Physical Laboratory (Open Day)

National/International/Inter-University/State Level/College Level – College Level

Date (DD-MM-YYYY) - 28th September 2022

Name of the organizing Department/Society – Physics Department

Name of the convenor/coordinator of the event – Dr Poonam Juneja

Resource Persons (alongwith their affiliation) - NIL

Number of the participants/beneficiaries from college (list of participants to be attached as proof) – 4 students + 3 teachers

Report of the event:

An educational visit to the CSIR-National Physical Laboratory was undertaken by the Physics Department, Maitreyi College on the occasion of NPL's Foundation Day on September 28, 2022.

NPL develops measurement and calibration standards that are internationally accepted and are among the best in the world. It also conducts multidisciplinary R&D to develop the measurement standards for futuristic technologies like solar cells, bio-medical, and quantum information processing.

The Force and Hardness standards lab is engaged in establishing primary standards in various areas such as Mass, Length, Dimension and Nano-metrology; Optical Radiation; Force and hardness; Pressure, Vacuum and Ultrasonics; Acoustics and Vibration; Fluid flow. In the Liquid Nitrogen and Liquid Helium plants students learnt about liquification of gases and its application in various fields like low temperature research. In the Solar Park generation of electricity from the solar panels was demonstrated. The energy produced by silicon solar cells/panels can either be stored in a battery (for personal use) or an off-grid system to transfer excess energy to the government. The students were appreciative of the fact that these solar panels are sustainable and have extremely low maintenance costs. In the Focused Ion Beam (FIB) laboratory, colors generated by the interaction of light with nanostructures was demonstrated. In the luminescence laboratory, the students learnt about laser driven white light source and UV excited invisible ink that could find potential use in electoral camps. They also elucidated the technology to differentiate between real and fake currency. The hydroelectric cell demonstration displayed how LEDs were powered by adding a few drops of water on nanoporous metal oxide based Hydroelectric Cell (HEC) at room temperature. Metal oxide HEC provides an eco-friendly, cost-effective, and portable green energy source with almost no running cost. Some other demonstrations that the students appreciated were about ferrofluids and superconductivity. At the APEX technology building students learnt about the radiation effects of mobile phones on the brain and human body. Students also got to know

their mobile phones SAR values and its significance. At the end a short film was shown to the students portraying all the achievements, past accomplishments and the ongoing research taking place at the National Physical Laboratory.

Geotagged photographs of the event:





Significance of the event (Outreach/Soft Skill Development/Curriculum Enrichment, etc.):

The visit proved to be an opportunity of a lifetime for the students as they were enlightened by physics in its true form. It was truly a motivational and enriching experience for all. It helped students in better understanding of Physics and its applications and the ongoing research in the various fields of the subject. The students could not get enough of the labs and wanted to explore more apart from the route that was given to them. They also got the opportunity to interact with two alumni of Maitreyi college working in Quantum Optics and Photometry labs at NPL, motivating them further. The feedback from the students was very positive. They were immensely inspired to dwell deeper into the fundamental principles of science and explore future possibilities in research. Their queries were endless at all the sections of the laboratory.

Signature of the Convenor

(Dr Poonam Juneja)

List of students:

S. NO.	NAME (B. Sc. (H) Physics III year)	S. NO.	NAME (B. Sc. (H) Physics II year)
1.	Ritika	21.	Manisha
2.	Megha	22.	Parul
3.	Kirti	23.	Deepanshi
4.	Sharmila	24.	Pravishti
5.	Rishika	25.	Dipti
6.	Anjul	26.	Koyel
7.	Tanu	27.	Renuka
8.	Nimisha	28.	Tanishka
9.	Vinisha	29.	Jiya
10.	Mansi	30.	Pranjal
11.	Sakshi Dadheech	31.	Bhawna singh
12.	Harshita	32.	Vaishali
13.	Vishakha	33.	Yuvika Thakur
14.	Dhruvi	34.	Kumud Tanwar
15.	Shreya	35.	Sakshi Yadav
S. NO.	NAME (B. Sc. Physical Sc. III year)	36.	Varalika
16.	Anura Dubey	37.	Khushi
17.	Tanu	38.	Anshika
18.	Aayushi	39.	Anshita
19.	Divya	40.	Riddhi
20.	ANSHIKA	41.	Isha



Signature of the Convenor

(Dr Poonam Juneja)