

Invited Talks, Workshops & Departmental Activities

Under DBT STAR STATUS

Session 2022-23

Department of Physics

Kanya Maha Vidyalaya, Jalandhar

(An Autonomous & Heritage Institution)

6. Physics KMV undergraduates in top 10% of National level Exam

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1. **Date of program:** 5 August, 2022
2. **Title/Theme of the Program:** National Graduate Physics Examination
3. **Program for the benefit of:** Students to test concepts of Physics and compete at national level
4. **Objective:** To motivate students to stake-up physics as a career
5. **Total no. of participants:** 35
6. **Venue of the program:** Physics lab, Kanya Maha Vidyalaya

Kanya Maha Vidyalaya, Jalandhar has been at the forefront in imparting quality education to the students. Students are encouraged to participate in various national level competitions. Under the able guidance of dynamic Madam Principal Dr. Atima Sharma, **NATIONAL GRADUATE PHYSICS EXAMINATION (NGPE)** is carried out in the institution. NGPE is the only national level examination testing students in theory and as well as experiment. NPGE is conducted by **Indian Association of Physics Teachers (IAPT)** and includes the individual's assessment at India level. Dr. Neetu Verma, center incharge of national examinations in Physics Department of Kanya Maha Vidyalaya has been conducting this exam since 2007. Students of B.Sc. of Kanya Maha Vidyalaya, Jalandhar participated in **NATIONAL GRADUATE PHYSICS EXAMINATION** conducted on 27th March 2022. They competed with the students from national reputed institutes like Mirinda House (Delhi), St. Stefan College (Delhi), BHU, Varanasi, Punjab University Chandigarh and various IIT's. Our students Ananya and Bishakha have qualified this national examination with above cut off merit while four students named Anamika, Inderpreet, Harjot and Haramanpreet qualified this national examination with Top 10% of merit. **Principal Dr. (Mrs.) Atima Sharma** congratulated and blessed the students for their remarkable achievement.



नैशनल ग्रेजुएट फिजिक्स एग्जामिनेशन में चमकीं के.एम.वी. की छात्राएं



सफलता पाने वाली छात्राओं के साथ डा. आतिमा शर्मा द्विवेदी व अन्य।

जालंधर, 12 अगस्त (विनीत): कन्या महाविद्यालय की छात्राओं ने इंडियन एसोसिएशन ऑफ फिजिक्स टीचर्स द्वारा आयोजित राष्ट्रीय ग्रेजुएट एग्जामिनेशन इन फिजिक्स में भाग लेकर उत्कृष्ट प्रदर्शन किया। को-ऑर्डिनेटर डा. नीतू चौपड़ा ने बताया कि उक्त परीक्षा में कालेज की छात्रा अनन्या व विशाखा ने टॉप कट-आफ मेरिट हासिल करके क्वालीफाई किया, जबकि अनामिका, इंद्रप्रीत,

हरजोत व हरमनप्रीत कौर ने भाग लेकर टॉप-10 फीसदी योग्यता के साथ सफलता पाई।

उल्लेखनीय है कि उक्त परीक्षा में देश के प्रतिष्ठित शिक्षण संस्थान जैसे मिरिंडा हाउस, नई दिल्ली, सेंट स्टीफंस कालेज, नई दिल्ली, बनारस हिंदू यूनिवर्सिटी, वाराणसी, पंजाब यूनिवर्सिटी, चंडीगढ़ सहित विभिन्न भारतीय प्रौद्योगिकी संस्थानों के विद्यार्थियों ने भी भाग लिया था।

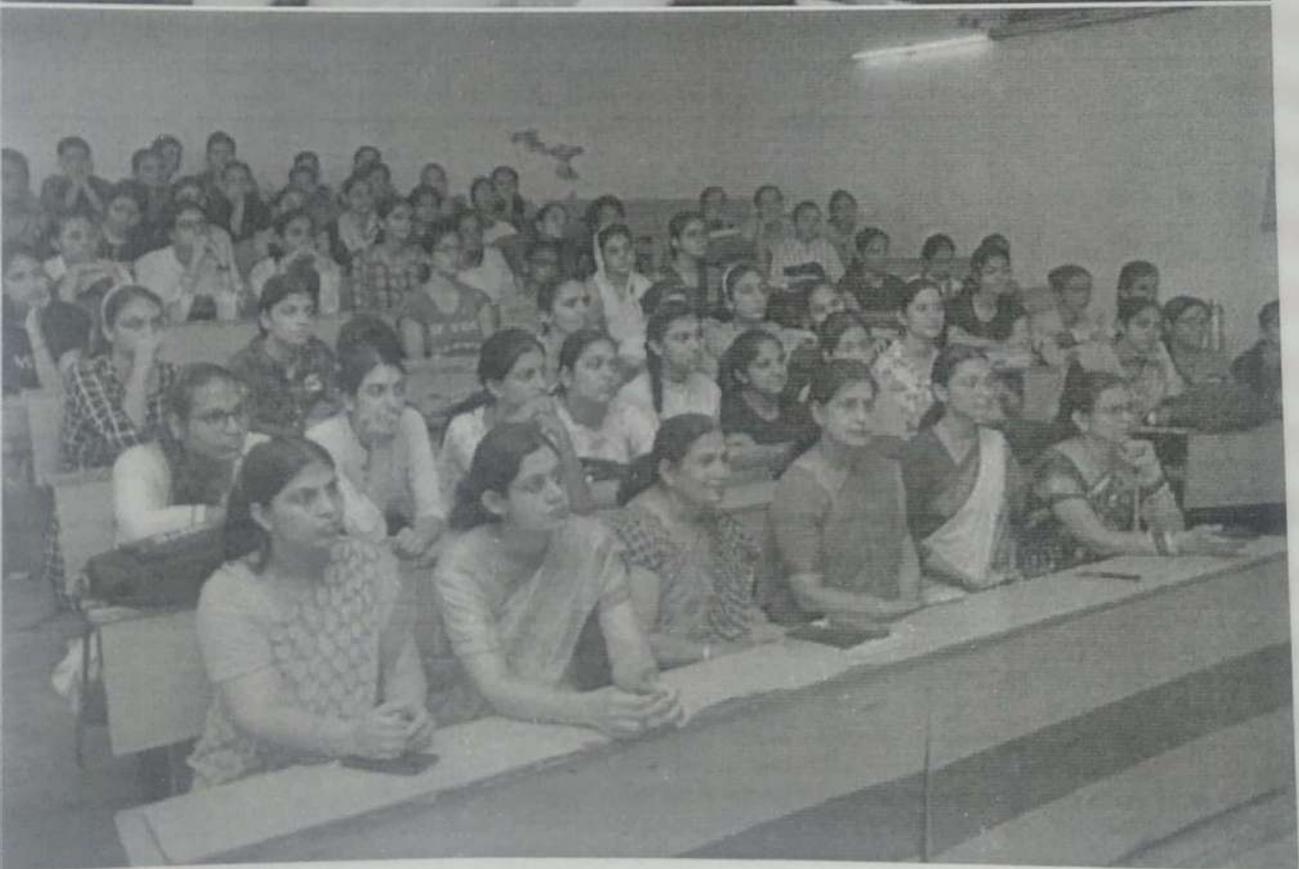
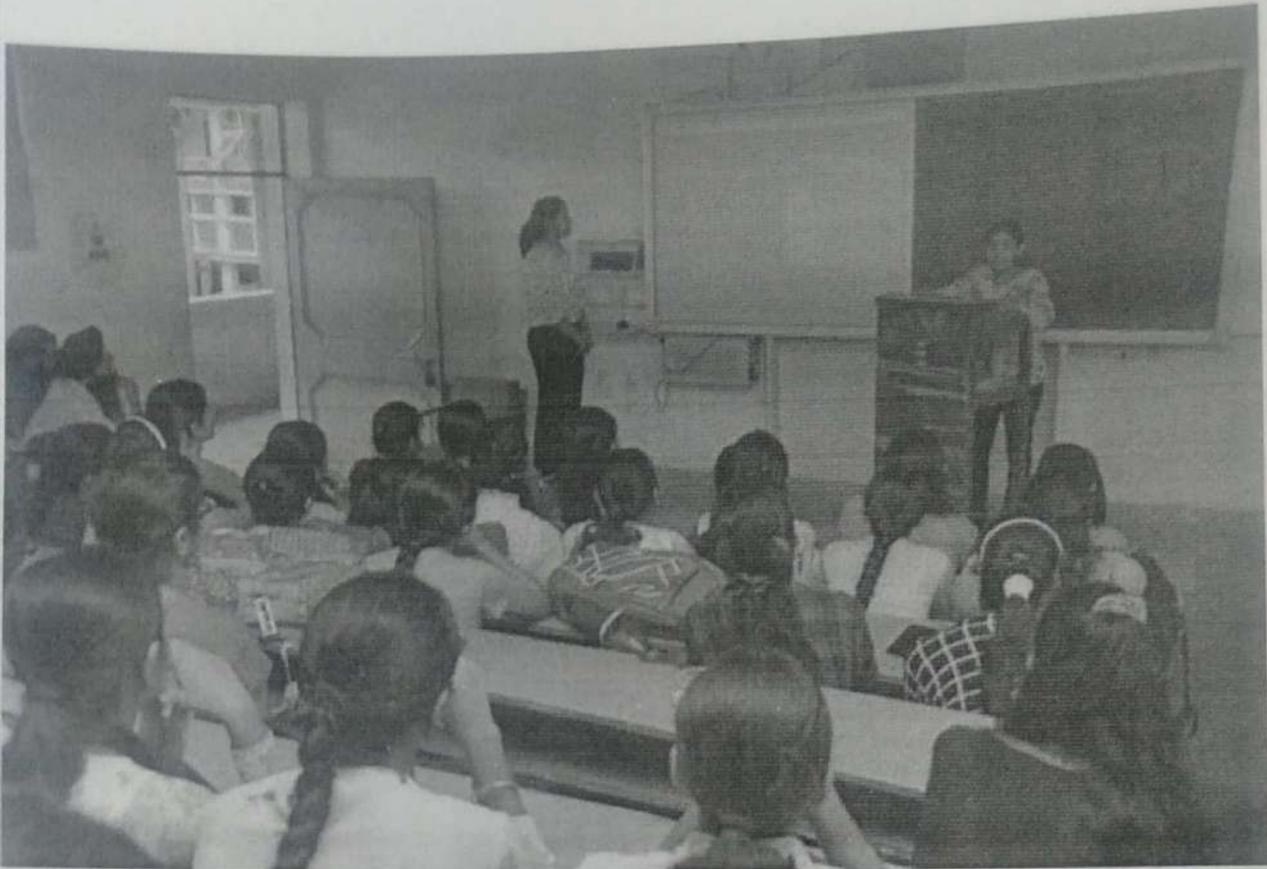
7. Celebrating the 103rd birth anniversary of Vikram Sarabhai

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1. Date of program: 18/8/2022
2. Title/Theme of the Program: Celebrating the 103rd birth anniversary of Vikram Sarabhai
3. Program for the benefit of: To introduce students with the works and role of Dr. Vikram Sarabhai in the field of Indian Space Research
4. Objective: To motivate students to pursue research and work in the field of Space science
5. Total no. of participants: 60 (including 10 faculty members)
6. Venue of the program: Smart Class room R-56, Kanya Maha Vidyalaya

Kanya Maha Vidyalaya, Jalandhar has been at the forefront in imparting quality education to the students. In this regard, the VIPNET club of P.G. Department of Physics celebrated the 103rd birth anniversary of Dr. Vikram Ambalal Sarabhai, Father of the Indian Space Program. In the event the presentation was delivered which covered his will to establish a Science Community in our country and achievements. The event was attended by the post graduate and undergraduate Physics students. The event commenced by introducing the students with the motive of VIPNET club and also the responsibilities performed by VIPNET faculty members and student members. Vikram Sarabhai Science Society of Physics Department comes under the prestigious VIPNET (Vigyan Prasar Network club) of government of India. The VIPNET club of Physics department is one of three clubs in Punjab upgraded to Silver Category with their hard work. Further, the students explained about the achievements and life of Dr. Vikram Sarabhai. Students discussed the role of Dr. Vikram Sarabhai in the Indian Space Program. At the end of the event, a small interactive quiz out of shared information was organized to boost the participation of students and winners were awarded with small tokens of gifts. Prof.(Dr.) Atima Dwivedi, Principal appreciated the efforts of event organizers and students. Mrs. Parminder Cheema, HOD Physics department concluded the session with vote of thanks and encouraged the students to show their maximum participation in further upcoming events.





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Attendance cum feedback form
Celebrating the 103rd birth anniversary of Vikram
Sarabhai

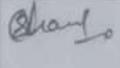
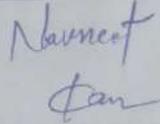
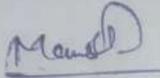
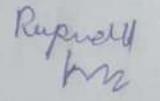
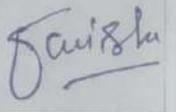
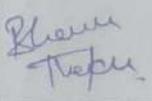
Dated: August 18, 2022

Name of Student	Class	Roll no.	Feedback	Signature
Manjusha	BSc(H) Physics IV	224229	Enthusiastic	Manjusha
Khushi	BSc. (H) Physics - IV	224226	Enthusiastic	Khushi
Manpreet	BSc (Honours) Physics IV	224230	Very knowledgeable	Manpreet
Manpreet	BSc(H) Physics IV	224229	Knowledgeable	Manpreet
Raminder	BSc(H) Physics IV	224227	Knowledgeable	Raminder
Harpreet Kaur	BSc. (H) Physics IV	224231	Good	Harpreet
Tamara Kaur	B.Sc NM IV	224811	Good	Tamara
Simranjit Kaur	B.Sc NM IV	224812	Good	Simran

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Attendance cum feedback form
Celebrating the 103rd birth anniversary of Vikram
Sarabhai

Dated: August 18, 2022

Name of Student	Class	Roll no.	Feedback	Signature
Shabnam	BSc-Non Med Sem-IV	224810	Good	
Ishika	BSc - Non Medical - IV	224814	Good	
Ravinder kaur	BSc CS IV	224453	Good	
Navneet kaur	B.Sc Non Medical IV	224801	Good	
Mansi	BSc Non medical Sem IV	224813	Good	
Rupinder kaur	BSc (N.M) Sem IV	224808	Good	
Jaiisha	BSc (N.M) Sem IV	224815	Good	
Bhawna Thakur	BSc (NM) IV	224804	Good	



Attendance cum feedback form
Celebrating the 103rd birth anniversary of Vikram
Sarabhai

Dated: August 18, 2022

Name of Student	Class	Roll no.	Feedback	Signature
Beenu Kumari	B.Sc (Non-Med) Sem 4	224802	Good	Beenu Kumari
Diksha	Bsc Cs Sem 6	224480	Good	Diksha
Tanya	Bsc. Cs Sem 6 th	224481	Good	Tanya
Indupreet	Bsc Cs Sem VI	224482	good	Indu
Bishappa	Bsc Cs Sem VI	224478	good	Bishappa
Nandini	BSC CS Sem VI	224479	good	Nandini
Radhika	Bsc Cs Sem VI	224476	Very good	Radhika
Amanya	Bsc NMA Sem-VI	224853	Very Good	Amanya

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9. Session on Handholding support to Mentee Institutions on Pre-Incubation Facilities

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1. **Date of program:** August 31, 2022
2. **Title/Theme of the Program:** Session on Handholding support to Mentee Institutions on Pre-Incubation Facilities
3. **Program for the benefit of:** Interaction with five mentee institutions
4. **Objective:** To share various incubation facilities at KMV, Jalandhar
5. **Total no. of participants:** 22

Summary:

Kanya Maha Vidyalaya, Jalandhar an autonomous and heritage institution provides infrastructure and technical support to the students having innovative ideas to transform their ideas into new & innovative products for the betterment of the society. It is a matter of great pride that the Ministry of Education's Innovation Cell, has recognised KMV, Jalandhar as a high performing IIC institution (with a star rating of 4) to act as mentor. Under the Mentor-Mentee program KMV-IIC has organized an orientation session on Handholding support to Mentee Institutions on Pre-Incubation Facilities for its five mentee Institutions. Session witnessed presence of in campus faculty along with the IIC representatives from Govt. College, Ropar, Guru Hargobind Institute of Law for Women, Ludhiana, J.C. DAV College, Dasuya, IITM College of Art Science and Commerce, Sonipat and Laxmi Narayan College of Technology Excellence, Bhopal. The Institution's Innovation Council (IIC) at Kanya Maha Vidyalaya, Jalandhar (KMV) was established in the year 2019. The aim of KMV-IIC is to develop and strengthen entrepreneurial and innovative skills in the budding professionals who are interested in starting their own ventures. KMV-IIC is equipped with state of art infrastructure that includes Innovation Hub, Cuisine Lab, Animation Lab, Sukriti- The Retail Lab, Beauty and wellness lab, Audio-Visual Studio, Fashion Designing Lab. KMV Innovation Ambassadors introduced and elaborated incubation facilities available at KMV, Jalandhar. During the presentations Innovation



Ambassadors elaborated that Innovation hub is an independent place of learning, inspiration, motivation, recreation, imagination and thinking. In order to enhance the creativity and skill in Education of Basic Physics, some experiments like circular pendulum, Black hole, Air cannon, Doppler Effect, energy transfer in spring etc, are installed to make it easier for students to understand the concepts of Physics in a practical way. Also the Center of Beauty & Wellness has a well equipped lab and smart classes for students to enhance their practical skills. Beauty and wellness center offers Micro Derma Abrasion, Beauty Studio, Galvanic, High Frequency Skin Analyzer, UV Lamp (For Nail Extension), Autoclave, Sterilizer etc. Kanya Maha Vidyalaya, Jalandhar has been a proud recipient to an array of awards for excellence in skill based education and outstanding performances by the students in Hospitality and Tourism. A three room guest house managed by the students under Hospitality and Tourism. Students practice bedmaking and other Accommodation Management practical's in the guest house at the KMV campus. The Basic Training Kitchen and Bakery are the hands-on training labs to learn various culinary aspects. The Basic Training Restaurant is the hands-on training lab to learn various concepts of the food and beverage service industry. Under Textile and Apparel Technology, students are trained in handloom making, stitching, draping etc. KMV IIC has supported several students to establish their own boutiques under seed money projects. Students also sell their products through Amazon under the banner of KMV, Jalandhar. To boost talent among KMViets, a fashion show named Sukriti is organized every year where students get an opportunity to exhibit their talents through modeling, fashion designing and make up art. Under the program Nutrition, Exercise and Health, KMV IIC boost spirits of students to enhance their skills as dieticians, for which workshops, extension lectures and invited talks are organized regularly. Overall the event was very interesting and motivated mentee institutions to establish such incubation facilities at their own campuses.

Principal Prof. (Dr.) Atima Sharma Dwivedi applauded efforts of KMV IIC for organizing such orientation sessions and invited mentee institutions to visit and avail incubation facilities at KMV, Jalandhar. She added that today innovation is the need of the hour and our curriculum should focus on innovations and entrepreneurship.





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10. Antaragni- Event for Exuberance

YUKTI- National Innovation Repository Submission

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https://www.instagram.com/p/CsiUfeq03Xp/?utm_source=ig_web_copy_link&igshid=MmJiY2i4NDBkZg==

1. **Date of program:** September 6 , 2022
2. **Title/Theme of the Program:** YUKTI- National Innovation Repository Submission
3. **Program for the benefit of:** To create Innovation repository at institute level by identifying, scouting innovation ideas and start-ups from students
4. **Objective:** To create and maintain a repository of Innovation ideas by identifying and evaluating innovations of students.
5. **Total no. of participants:** 250 (Including 50 teachers)
6. **Venue:** Kanya Maha Vidyalaya, Jalandhar

Summary:

KanyaMahaVidyalaya Jalandhar, a pioneer institute of women education in Northern India and uplifting academic standards towards excellence by developing and promoting new age innovative programmes. The college organizes various innovative activities for inculcating innovative spirit among students. These competitions are organized every year with the objective to provide a platform for the students to showcase their talent. To carry the baton ahead, the Department of Science organized an intra college idea pooling event Antaragni and received an overwhelming response from students of different departments. The motive of this event is to develop various skills of students and to expose them to the current trends in the technical and professional fields. The event includes submission of Innovation ideas, prototypes and start-ups. The event was organized on 6th September 2022. The event was successful enough as around 200 students' registered for this event and students showcased their talent. Almost 122 innovation ideas, 54 prototypes and 30 start-up ideas were received and evaluated.

The prototypes were developed from projects submitted under Hackathon Event organized by the Department of Science. The best projects submitted by the students were mentored by the teachers of this institute as well as mentored from relevant experts of national repute.

From the submitted entries, best innovative ideas, prototypes and start-ups were selected and students were encouraged with prizes under three categories. These selected ideas, prototypes and start-ups were submitted to YUKTI- National Innovation Repository (NIR) program of Institution's Innovation Council, an initiative of the Ministry of Education, Government of India. Total 124 students registered under this program, and submitted 65 innovation ideas, 35 prototypes and 20 start-ups. These submitted applications were verified by experts and 64 innovative ideas, 33 prototypes and 19 start-ups were recommended from our institution.

The institution is backed by a team of very dedicated faculty and students and the efforts put in by everyone have barred the institution with the fruits.

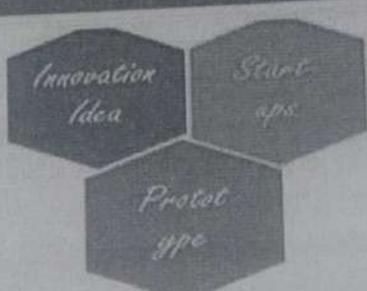


The Heritage & Autonomous Institution
KANYA MAHA VIDYALAYA JALANDHAR
College with potential for excellence by UGC
Star college Status by DBT, Govt of India
Ranked No. 1 College of Punjab and Top National Ranking (India Today Survey 2021)
(India Today, Outlook magazine and Times of India Group)



Department of Science
in collaboration with
INSTITUTION'S INNOVATION COUNCIL
organises

Antaragni- Event for Exuberance



- ❖ Team leader can Submit Innovation Ideas, Prototypes and start-ups.
- ❖ Team can have upto 5 members.
- ❖ All the ideas should be original and lucrative
- ❖ Prize for best submitted categories.
- ❖ Participation certificate for Students

Dr Neetu Verma (Coordinator)
Dr Mandeep Kaur (Co-Coordinator)

Prof (Dr) Atima Sharma Dwivedi
Principal



Attendance cum feedback form
Antarangi-Event for Exuberance (YUKTI-National
Repository Submission)

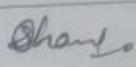
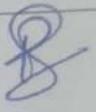
Dated: September 6, 2022

Name of Student	Class	Roll no.	Feedback	Signature
Khushi	BSc. (H) Physics - IV	224226	Good	<u>Khushi</u>
Manjusha	BSc (H) Physics - IV	224229	Excellent	<u>Manjusha</u>
Amanpreet	BSc (H) Physics III	224228	Good	<u>Amanpreet</u>
Harpreet Kaur	BSc. (H) Physics - IV	224231	Good	<u>Harpreet</u>
Raminder Kaur	BSc (H) Physics IV	224227	Good	<u>Raminder Kaur</u>
Manpreet	BSc (H) Physics - IV	224230	Excellent	<u>Manpreet</u>
Tamara Mogri	BSc (NM) -IV	224811	Good	<u>Tamara</u>
Simranjit Kaur	BSc (NM) Sem IV	224812	Good	<u>Simranjit</u>

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Attendance cum feedback form
Antarangi-Event for Exuberance (YUKTI-National
Repository Submission)

Dated: September 6, 2022

Name of Student	Class	Roll no.	Feedback	Signature
Shabnam	BSc Non-Med Sem - IV	224810	Good	
Ishika	BSc - Non Medical - IV	224814	Good	
Ravinder Kaur	BSc CS IV	224453	Good	
Navneet Kaur	B.Sc Non Medical IV	224801	Good	Navneet Kaur
Mansi	BSc Non- medical IV	224813	Good	<u>Mansi</u>
Faisha	BSc Non Medical IV	224815	Good	Faisha
Bhawna Thakur	BSc NM IV	224804	Good	Bhawna Thakur



Attendance cum feedback form
Antarangi-Event for Exuberance (YUKTI-National
Repository Submission)

Dated: September 6, 2022

Name of Student	Class	Roll no.	Feedback	Signature
Beenu Kumari	B.Sc (Non-Med) Sem 4	224802	Good	Beenu Kumari
Kajal Shandhary	Bsc (Non Med Sem 6	224865	Good	Kajal
Shama	BSc(nm), Sem. 6	224869	Good	Shama
Taruna	B.Sc(CCS) Sem 6	224481	Good	Taruna
Diksha	B.Sc(C.C.S) Sem 6	224480	Good	Diksha
Aditi	BSc (NM) Sem 6	224851	Very Good	Aditi
Ananya	BSC (NM) Sem -6	224853	Very Good	Ananya
Meenu Rani	Bsc nm Sem -6	224852	Excellent	Meenu Rani

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Orientation Programme organized by P.G. Department of Physics

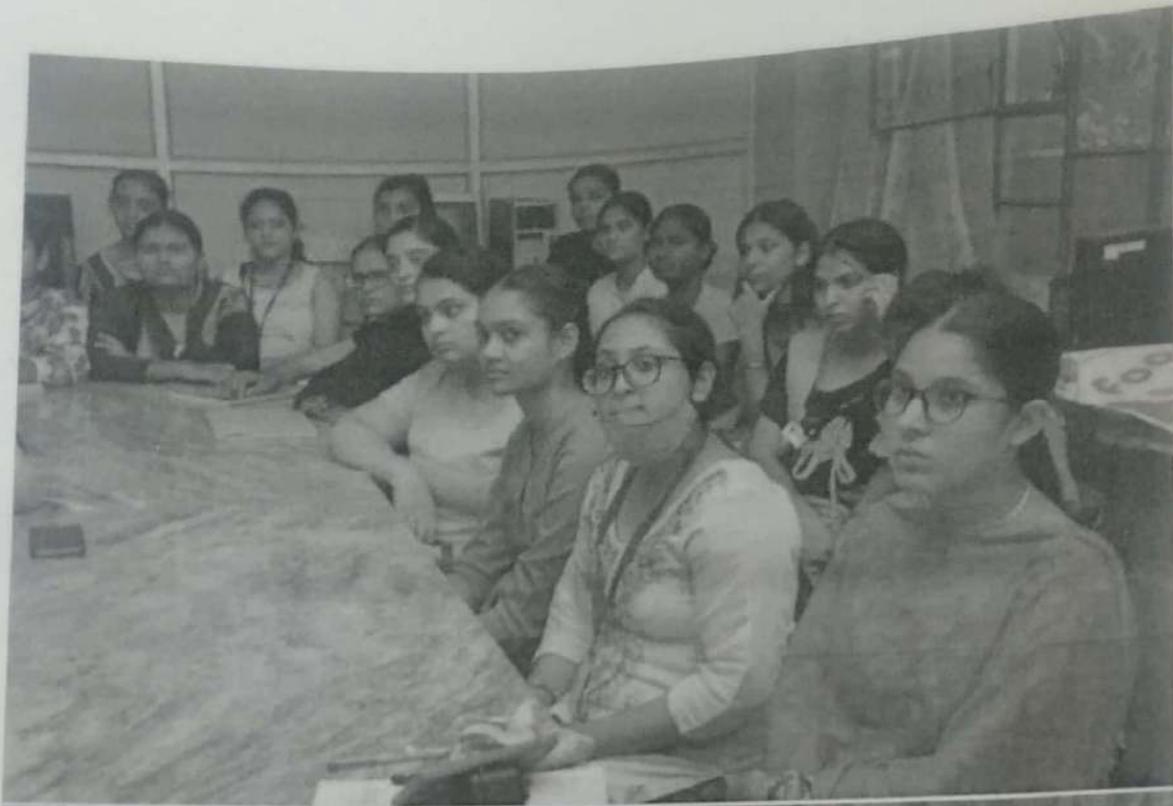
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1. **Date of program:** September 7, 2022
2. **Title/Theme of the Program:** Orientation Session for students of P.G. Department of Physics
3. **Program for the benefit of:** Students were inspired to opt for research as a career
4. **Objective:** To create awareness regarding research facilities offered by P.G. Department of Physics
4. **Total no. of participants:** 40
5. **Venue of the program:** Nuclear lab

P.G. Department of Physics established since 1950 offer undergraduate and master programmes and faculty is guiding Ph.D in collaboration with various institutions of high repute. Department of Physics is FIST Supported by and first women college offering M.Sc. Physics under the brackets of GNDU. Department has research projects sanctioned by various governmental organizations DST, DAE, ICTP (Italy) and NSF (USA). To create awareness about the legacy of P.G. Department of Physics an orientation session was organized for the first year Physics students by the final year B.Sc. and M.Sc. Physics students. In the session research achievements of all the faculty members of Physics Department were briefed to students with an objective of inspiring them for opting research as their career. P.G Department of Physics provides world class research facilities under one roof. It offers UV-Vis spectrometer, DTA, FTIR spectrometer, LCR, Bottom Loading furnace, Photoluminescence facilities. Students were also acquainted with various academic as well as co-curricular activities organized by the department in past years. Overall, the session was interesting and successfully created awareness about P.G. Department of Physics among the students.

Principal Prof. (Dr.) Atima Sharma Dwivedi applauded efforts of P.G. Department of Physics for organizing this orientation session. She added that such events should be organized to let students know the legacy of the institution as well as achievements of their respective departments.

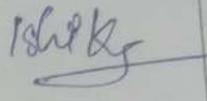
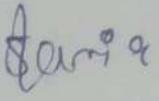
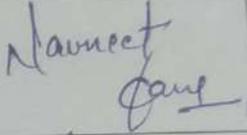
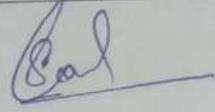
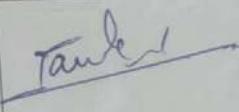
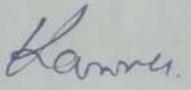
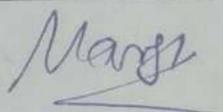




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FEEDBACK OF ORIENTATION SESSION

07-SEPTEMBER-2022

Sr. No.	NAME	CLASS	HOW DID YOU LIKE THE PROGRAM?	SUGGESTIONS	SIGNATURES
1.	Khika	BSc. Non Medical-3	It was good	-	
2	Tamira	BSc Non Med-3	It was good	-	
3.	Navneet Kaur	BSc Non Med-3.	Good	-	
4	Shabnam	BSc Non Medical-3	Good.	-	
5	Tanisha	BSc Non Medical-3	Good	-	
6.	Kemnu	BSc Nm 3-	Good	-	
7.	Mangsi	BSc nm-3	Good	-	
8.	Simranjit Kaur	B.Sc Non Med Sem-3	Excellent	-	Simranjit Kaur
9.	Beenu kumari	BSc (NM) Sem 3	Good	-	Beenu Kumari



FEEDBACK OF ORIENTATION SESSION

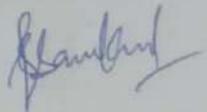
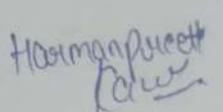
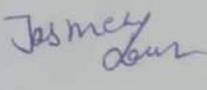
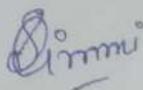
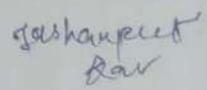
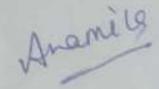
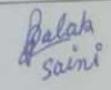
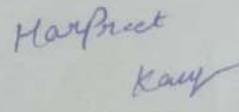
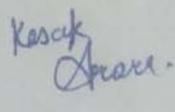
07-SEPTEMBER-2022

Sr. No.	NAME	CLASS	HOW DID YOU LIKE THE PROGRAM?	SUGGESTIONS	SIGNATURES
1.	Aamna	M.Sc (Physics) Sem I	Good	—	<u>Aamna</u>
2.	Tanvi Sharma	M.Sc. (Phy) (Sem-I)	Very Good	—	<u>Tanvi Sharma</u>
3.	Shrayjit Kaur	M.Sc. (Physics) Sem. I	Good	—	<u>Shrayjit Kaur</u>
4.	Sejal Thakur	M.Sc (Physics) Sem. 1	Really Good	—	<u>Sejal Thakur</u>
5.	Larleen	Msc Phy-I	Good	—	<u>Larleen</u>
6.	Shivalika	Msc Phy I	Good	—	<u>Shivalika</u>
7.	Harman Kaur	M.Sc Phy I	Good.	—	<u>Harman Kaur</u>
8.	Sandeep Kaur	Msc Phy I	Good	—	<u>Sandeep Kaur</u>
9.	Harmanpreet Kaur	MSc. Phy I	Nice	—	<u>Harmanpreet Kaur</u>

Pu

FEEDBACK OF ORIENTATION SESSION

07-SEPTEMBER-2022

Sr. No.	NAME	CLASS	HOW DID YOU LIKE THE PROGRAM?	SUGGESTIONS	SIGNATURES
1	Smriti	BSC. NM sem I	Good	-	
2	Harmanpreet Kaur	B.Sc (NM) Sem I	Good	-	
3	Jasmeen Kaur	B.Sc. (N.M.) Sem-I	Good	-	
4	Simmi	B.Sc (C.Sc) Sem-I	Good	-	
5	Jashanpreet Kaur	B.Sc (N.M.) Sem I	Good	-	
6	Anamika	B.Sc. (C.Sc.) sem I	good	-	
7	Palak Saini	B.Sc. (C.Sc.) Sem-I	good	-	
8	Harpreet Kaur	B.Sc. (C.Sc.) Sem-I	good	-	
9	Kasak	B.Sc. (N.M.)-I	good	-	



12. National Anveshika Experimental Skill test (NAEST)

1. **Date of program:** August 7,2022 to September 8,2022
2. **Title/Theme of the Program:** National Anveshika Experimental Skill test (NAEST)
3. **Program for the benefit of:** Students to test concepts of Physics and compete at national level
4. **Objective:**To motivate students to showcase their creativity by designing simple physics experiments .
5. **Venue of the program:** Online platform

NAEST is an annual competition which assesses and nurtures keen observational skills, analytical skills, and experimental skills of an Indian student in physics. The National Anveshika Experimental Skill Test (NAEST) is organised by The National Anveshika Network of India (NANI) in association with Shiksha Sopan. Many students across the country number of students have registered for the screening round and few students were selected for the prelims round. NAEST-2022 was conducted in three stages - (i) screening (ii) prelims (iii) finals. In the Screening stage , the questions were based on short videos of physics phenomena/experiments. In Prelims, the students had been given a write-up of the experiments. The student had performed the experiment at home based on the experimental write-up provided to them. The students will be evaluated on multiple criteria. In the Final Stage, students were called to Kanpur for performing experiments.

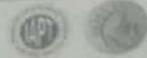
Haramanpreet Kaur, student of M.Sc. Physics, P.G. Department of Physics, Kanya Maha Vidyalaya, Jalandhar has cleared the screening round of NANI-2022 and qualified for the Prelims round of NAEST 2022. She has competed with the 32 participants of Indian North Colleges under the allotted center. She has successfully exhibited experimental skills of planning and designing the experimental set up and then conducting three innovative experiments at the home laboratory for Prelims round. She has participated in the Senior category for college students pursuing pure sciences & gave her outshining performance in this test. She has received the certificate of participation duly signed by Prof. H.C. Verma , President (Shiksha Sopan) & President (IAPT).



शिक्षा
NAEST-2022

संस्कार

स्वायत्तत्व
Certificate No. E2783909



organized by,
NATIONAL ANVESHIKA NETWORK OF INDIA (NANI)
a unit of
INDIAN ASSOCIATION OF PHYSICS TEACHERS (IAPT)
in collaboration with
SHIKSHA SOPAN

Certificate of Participation

This certificate is proudly presented to

HARAMANPREET KAUR

from KANYA MAHA VIDYALAYA, JALANDHAR

for exhibiting experimental skills of planning and designing the experimental set up
and then conducting three innovative experiments at the home laboratory for Prelims round,
held during August 2022 - September 2022 which was open for students from grade 9 up to M.Sc.

We wish him/her a successful academic career.

Prof. H. C. Verma
Ex. Professor of Physics IITK

Prof. A. K. Sharma
President - Shiksha Sopan

Prof. P. K. Ahluwalia
President - IAPT



14. Poster Presentation in Conference held at IIT Gandhinagar, Gujrat

1. Date of program: 29-30 September, 2022
2. Title of the poster: Glass and glass nanocomposites for optical applications.
3. Program for the benefit of: Women scientists
4. Objective: To introduce new collaboration opportunities for women scientists.
5. Total no. of participants: 1 (Dr. Gopi Sharma)
6. Venue: IIT Gandhinagar, Gujrat

Dr. Gopi Sharma, Associate Professor of KMV was invited for participation in women in Science and Technology conclave at IIT Gandhinagar, Gujrat held by Science and Engineering research board (SERB) of Government of India. Selected women having Power Grant or fellowship cross country were invited to participate in this forum and Dr. Sharma is having a power research project sanctioned by SERB. This meet has given a detailed insight into innovations and possible collaboration as well as opportunities for women scientists. Principal Prof. Dr. Atima Sharma Dwivedi has congratulated Dr. Sharma for this achievement and said that KMV will achieve new heights in research using these opportunities.





**Women in Science & Technology:
Fostering Innovation**

organised by

Indian Institute of Technology Gandhinagar

sponsored by

Science and Engineering Research Board

Department of Science and Technology, Government of India

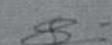
CERTIFICATE OF PARTICIPANTS

This is to certify that

DR. GOPI SHARMA

participated in the aforementioned two-days program as PARTICIPANT
during September 29 - 30, 2022 at Indian Institute of Technology Gandhinagar.


Prof Bhaskar Datta
IIT Gandhinagar


Prof Sivapriya Kirubakaran
IIT Gandhinagar



15. Student-Student Mentoring Workshop- "ANUBHOOTI-2022"

<https://kmyiic.org.in/student-student-mentoring-workshop-anubhooti-2022/>

<https://www.facebook.com/100001279662808/posts/pfbid0WxtVyJ3ptS3Egmbmy7eD8dyfowS6Nyok6a5Uxt7y5zY4xUcnQbum4N8YyrbQxVSGI/>

https://www.instagram.com/p/CsIWjZ_umlW/?utm_source=ig_web_copy_link

1. **Date of program:** Sept 21, 2022
2. **Title/Theme of the Program:** Student-Student Mentoring Workshop- "ANUBHOOTI-2022"
3. **Program for the benefit of:** To popularize Science among students
4. **Objective:** To appreciate hard work of our science students in developing innovative ideas and displaying their work in the form of projects/ working and still models.
5. **Total no. of participants:** about 130
5. **Venue of the program:** Innovation Hub and Nuclear Lab, Kanya Maha Vidyalaya, Jalandhar

P.G. Department of Physics of Kanya Maha Vidyalaya, Jalandhar, the Heritage institution, organized Student-Student Mentoring Workshop- "ANUBHOOTI-2022" for all science students. Under this program undergraduate science students were given a platform to present their concept based innovative experiments and projects that they have designed under the aegis of "Curie grant". On this special occasion Er. Vishal Sharma, Scientist cum Chief Mentor of Innovation Hub, Pushpa Gujral Science City, Kapurthala was invited as a guest of honor. Department of Sciences, Kanya Maha Vidyalaya, Jalandhar organizes this unique kind of workshop annually. To motivate students to develop critical and analytic thinking, different innovative projects made by senior science students were exhibited. Students got encouraged by the work of their seniors and showed willingness to take initiatives for more creative projects and experiments. Students showcased their projects like air cooler, Laser show, matchbox microphone, Rocket water bottle and many more. Students have developed as well as showcased touchless hand sanitizing machine which will be installed in the entrance of their class rooms. Further a prototype of touchless switches and touchless attendance system has been developed with an objective that students while entering or leaving the class room can turn lights and fans ON/OFF without even touching switches and can get themselves sanitized too. Attendance of students will be automatically marked by just passing

across the switch. Students have also designed Bluetooth Controlled Car (Futuristic Driveless Car) which can be operated by using mobile phone. Through this workshop creative talent of the students was explored and they were able to think outside of the box. This workshop has developed a scientific spirit and curiosity among students which in turn drove them to think and creatively find solutions to the challenges. Students enjoyed learning through this workshop and felt a sense of belongingness with sciences. Er. Vishal Sharma applauded efforts and creativity of students and also guided them to modify their models. Principal Dr. (Prof.) Atima Sharma Dwivedi congratulated students for taking such innovative initiatives. She said science is the application of existing scientific knowledge to practical world, like technology or inventions.





The Heritage Institution
Estd. 1886

Phones : Principal Off. : 0181-2296605, 2296606
Fax : 0181-2291741
E-mail : kmvjalandhar@yahoo.com
kmvoffice1886@gmail.com
Vidyalaya Marg,
JALANDHAR-144 004.

KANYA MAHA VIDYALAYA (Autonomous)

Re-accredited 'A' by U.G.C.-NAAC
"College with Potential for Excellence" by UGC
Under Star College Scheme by DBT, Govt. of India

Ref. No. Kmv/ 4970

Date 19-9-2022

Dear Er. Vishal Sharma
Scientist cum Chief Mentor of Innovation Hub,
Pushpa Gujral Science City, Kapurthala

Greetings from Kanya Maha Vidyalaya, Jalandhar.

Hope you are fine and doing well.

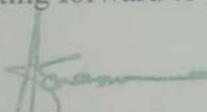
It gives us an immense pleasure to apprise your good self that Kanya Maha Vidyalaya, Jalandhar, designated as the Heritage Institution by the Ministry of Human Resource Development, India in view of its 137 years of unparalleled and historic legacy and having an internationally recognized iconic stature, has been imparting transformative education through three centuries of its existence. In sync with the recent trends and global practices, this legendary institution has adapted itself to sustainable changes to shape up the careers of well- rounded individuals of the 21st century.

Our Science departments are privileged with the grants from the Department of Science and Technology, Govt of India, Department of Biotechnology, University Grant Commission, Bhabha Atomic Research Centre etc.

P.G. Department of Physics is organizing "*Student-Student Mentoring – ANUBHOOTI 2022*". Our institution acknowledges and appreciates you as an eminent scientist of National repute. So, we wish to invite you as a resource person on Sept 21, 2022 to enlighten our women budding innovators.

It would be such a huge privilege to have you with us at this special occasion as a *Guest of Honour*.

Looking forward to your valuable interaction.


(Principal) Atima Sharma Dwivedi
Kanya Maha Vidyalaya
Jalandhar
Kanya Maha Vidyalaya, Jalandhar

To

The Principal

Kanya Maha Vidyalaya

Jalandhar

Subject: To seek permission to pay honorarium of Rs. 3000/-.

Respected Madam

It is to seek permission to pay Rs. 3000/- as honorarium to Er. Vishal Sharma, Scientist cum Chief Mentor of Innovation Hub, Pushpa Gujral Science City, Kapurthala, for his valuable mentorship on innovations in the event "*Student-Student Mentoring Workshop- ANUBHOOTI-2022*" to be organized on Sept 21, 2022. His account details are as mentioned below:

Name: Pushpa Gujral Science City

Bank Name: Indian Bank Allahabad

Branch Code 210169

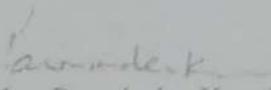
Account no. 2085089868

Saving Account: IFSC CODE: ALLA0210169

ADDRESS: The Mall, Kapurthala

I shall be highly thankful to you.

Yours Sincerely


(Mrs. Parminder Kaur)

Head

P.G. Department of Physics





The Heritage Institution

137 Glorious Years

Kanya Maha Vidyalaya (Autonomous)

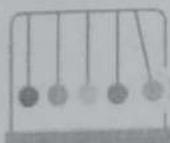
College with Potential for Excellence by UGC CURIE grant by DST- Govt. of India Star College Status by DBT, Govt. of India

Top National Rankings (India Today, Outlook Magazine & Times of India Group)

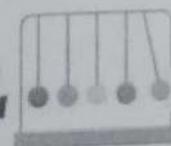
P.G. DEPARTMENT OF PHYSICS

Organizes

STUDENT-STUDENT MENTORING WORKSHOP



Anubhooti-2022



Guest of Honor

Er. Vishal Sharma

Pushpa Gujral Science City, Kapurthala

TIME 12.00 p.m. | **DATE** September 21, 2022

President:
Mrs. Parminder Kaur
(Head of Department)

Coordinator: Dr. Neetu Verma
Co-Coordinator: Dr. Surbhi

Principal
Prof. (Dr.) Aima Sharma Dwivedi



Feedback Form

Event: Anubhooti 2022-23

Date: September 21, 2022

Venue: Physics Lab (Innovation Hub)

Name	Class	Roll No.	How did you like the event?	What did you learn today?	Would you like to participate in next Anubhooti?	Any suggestions
Aranya	+1 Medical	22360	Yes (good)	Yes	Yes	No Improvement
Jasmeet	+1 Medical	22316	Yes (Nice)	Yes science is important	Yes	No Improvement Everything is good
Shavanjedi	+1 Medical	22341	Yes (Amazing)	Physics is interesting	Yes	
Sarda						
Sarda	+1 Med	22310	Knowledgeable	Physics in daily life	Yes	Everything is Amazing knowledgeable experience
Bhumika	+1 Med	22311	Amazing	science is very imp.	Yes	Everything is
Tanu	+1 Med	22328	Very Nice	Science is imp	Yes	Amazing
Himanshi	+1 Med	22353	Nice	Basic Physics	Yes	Everything was amazing
Gupmohar	+1 Med.	22325	Good	Physics.	Yes	All was amazing
Bhanu	+1 Med	22323	Outstanding	Physics	Yes	Knowledgeable experience
Jasmeen ka	+1 Med	22326	Superb	Physics in daily life	Yes	All was good
Simranpreet	+1 Med	22355	Outstanding	Physics in imp	Yes	Very good
Muskan	+1 Med	22356	v. good	Physics in imp	yes	Excellent
Harnampreet	+1 N.M	22409	Informative	Angular Momentum	Yes	—
Mampreet	+1 N/M	22411	Informative	Angular momentum	Yes	—
Yogita	+1 NM	22412	Informative	Angular momentum	Yes	—
Simranpreet	+1 N.M	22402	Informative	Air canon	Yes	—
Sakshi	+1 NM	22429	Excellent	Air Canon	Yes	—
Khush Bordana	+1 N.H	22432	Awesome	Air Canon	Yes	—
Gurleen	+1 Med	22305	Excellent	Angular Momentum	Yes	—
Gurkiran	+1 Med	22307	Excellent	Angular Momentum	Yes	—
Shaweta	+1 Med	22357	Excellent	Rotational Dynamic	Yes	—

✓

Feedback Form

Event: Anubhooti 2022-23
 Date: September 21, 2022
 Venue: Physics Lab

Name	Class	Roll No.	How did you like the event?	What did you learn today?	Would you like to participate in next Anubhooti?	Any suggestions
Charu						
Raman	+1 Med	22329	Excellent	wave formation	Yes	No
Manmeet	+1 Med	88331	Good	wave formation	Yes	No
Lakshwinder	+1 Med	22333	Excellent	series of	Yes	No
Manpreet K	+1 Med	22309	Excellent	pendulum	Yes	No
Rehal	+1 Med	22338	Excellent	wave formation	Yes	No
Smile	+1 Med	22350	Excellent	pendulum	Yes	No
Rashmi	+1 Med	22302	Good	Lawrence pendulum	Yes	No
Priyanka	+1 Med	22320	Excellent	Infinity well	Yes	No
Manpreet	+1 Med	22304	Excellent	Infinity well	Yes	No
Muskan	+1 Med	22356	Excellent	Infinity well	Yes	No
Simranpreet	+1 Med	22355	Excellent	Infinity well	Yes	No
Jasmeen K.	+1 Med	22326	Amazing	Infinity well	Yes	No
Tanu	+1 Med	22328	Excellent	Infinity well	Yes	No
Kavita	+1 N.M	22431	Fantastic	Lawrence oscillator	Yes	—
Harpreet	+1 N.M	22407	Superb	Lawrence oscillator	Yes	—
Simranpreet	+1 N.M	22402	Informative	Infinity well	Yes	—
Harmanpreet	+1 N.M	22409	Informative	Infinity well	Yes	—
Manpreet Kaur	+1 N.M	22411	Informative	Infinity well	Yes	—
Yogita	+1 N.M	22412	Informative	Handmade AC	Yes	—
Dilpreet Kaur	+1 N.M	22427	Informative	Infinity well	Yes	—
Parampreet Kaur	+1 N.M	22418	Informative	Lawrence oscillator	Yes	No

P

Feedback Form

Event: Anubhooti 2022-23

Date: September 2 2022

Venue: Physics Lal

Name	Class	Roll No.	How did you like the event?	What did you learn today?	Would you like to participate in next Anubhooti?	Any suggestions
Nandita	MSc Phy-II	225126	Excellent	Innovation in Science	Yes	
Gagandeep	MSc Phy-III	225127	Good	Innovative Applications of Physics	Yes	
Anshuman	M.Sc Phy-III	225128	Excellent	New experiments	Yes	
Vibhuti	M.Sc Phy-III	225129	Excellent	Innovative idea.	Yes	
Vindu	M.Sc Phy. III	225132	Good	Practical knowledge is more important	Yes	
Radhika	BSc (CS) IV	224476	Excellent	Innovative Ideas	Yes	
Harijat	BSc (CSE) Sem IV	224477	Good	New facts	Yes	
Nikita	B.Sc (CS) Sem V	224481	Good	Innovative Ideas	Yes.	
Tazura	BSc CS V	224478	Good	Facts	Yes	
Bishakha	BSC CSV	224480	Good	new facts	Yes	
Dilsha	BSC CSV	224482	Excellent	Innovative idea	Yes	
Indraprad	BSC CSV	224481	Good	Innovative idea	Yes	
Nandini	BSC CSV	224479	Good	New experiments	Yes	
			P			

Feedback Form

Event: Anubhooti 2022-23
 Date: September 21, 2022
 Venue: Physics Lab

Name	Class	Roll No.	How did you like the event?	What did you learn today?	Would you like to participate in next Anubhooti?	Any suggestions
Aditi	BSc(NM) Sem V	224851	Very good	Angular momentum	Yes	NO
Ananya	BSc(NM) Sem-V	224853	Excellent	Angular Momentum	Yes	NO
Kalpna Sharma	BSc(NM) Sem-V	224854	Very good	Angular Momentum	Yes	NO
Idutika	B.Sc(NM) Sem-V	224855	Great	about Angular momentum	Yes	NO
Meenu Rani	BSc(NM) Sem-V	224852	Excellent	Angle between mirrors	Yes	NO.
Nitika	BSc(NM) (Sem V)	224866	Good	angle between mirrors	Yes	NO
Twinkle	BSc(NM) (Sem V)	224858	Good	Angular Momentum	Yes	NO
Isha	BSc(NM) Sem V	224859	good	Angle between mirrors	Yes	NO
Jaihanpuri	BSc(NM) Sem V	224856	good	Angular momentum	Yes	NO
Rameet Kaur	B.Sc nm sem V	224862	good	Angular momentum	Yes	NO.
Anmol Kaur	B.Sc nm sem V	224863	good	Angular Momentum	Yes	NO.
Suchna Kaur	B.Sc nm Sem V	224857	Good	angular momentum	Yes	NO
Mansi Devi	BSc(NM) Sem V	224868	Excellent	Rotational Dynamics	Yes	No.
Anuapreet Kaur	BSc(NM) Sem V	224867	Excellent	Rotational Dynamics	Yes	No
Shama	BSc(NM) I	224859	Good	Angular Momentum	Yes	No
Kajal	BSc(NM) V	224865	good	Angular momentum	Yes	No
Ripudaman	BSc(NM) V	224861	Very Good	Angular Momentum	Yes	No
Simran	BSc(NM) V	224864	good	Angular momentum	Yes	No.
Shruti	BSc(NM) I	224860	good	Angular momentum	Yes	NO

Feedback Form

Event: Anubhooti 2022-23

Date: September 21, 2022

Venue: Physics Lab (Innovation Hub)

Name	Class	Roll No.	How did you like the event?	What did you learn today?	Would you like to participate in next Anubhooti?	Any suggestions
Manpreetk	+1 Med	22309	Excellent Dopler effect	Dopler effect	Yes	—
Dilpreet	+1 N.M	22427	Excellent	Angular Mom ^{entum}	Yes	—
Lakshinder	+1 Med	22333	knowledgable	Physics laws	Yes	—
Raman	+1 Med	22329	It was good	Physics laws	yes	—
Muskan	+1 Med	22314	Nice	Angular Mom ^{entum}	Yes	—
Sandeep	+1 Med	22321	Excellent	Lubricate tube ext	Yes	—
Harman Preet Kaur	+1 Med	22317	Nice	Angular Momentum	yes	—
Kavita	+1 N.M	22431	Fantastic	Angular momentum	Yes	—
Harpreet	+1 N.M	22407	Superb	Angular momentum	Yes	—
Anoop	Bsc hons phy	22428	Outstanding	Quiocke's tube	Yes	No Improvement
Manjusha	Bsc hons phy	22429	Outstandm	quiocke tube	Yes	No Improv
Pranav	+1 +1 M	22418	Great	Angular momentum	Yes	—
Reabjot	+1 N.M	22413	outstanding	Angular momentum	Yes	—
Harsop	+1 N.M	22405	Excellent	Angular momentum	Yes	—
Parnut	+1 N.M	22425	V.Good	Angular momentum	Yes	—
Humijot	+1 N.M	22410	Great	Angular momentum	Yes	—
Palak	+1 N.M	22425	Outstanding	Angular momentum	Yes	—
Lovenish	+1 N.M	22420	Amazing	Angular momentum	Yes	—
Salony	+1 N.M	22421	Excellent	Angular momentum	Yes	—
Muskan	+1 N.M	22404	Excellent	Angular momentum	Yes	—
K.V. Saural	+1 N.M	22419	Good	Angular momentum	Yes	—

P

16. Institute honored Dr. Sandeep Kaur for completing her Ph.D

https://www.instagram.com/p/CsiYldguUV0/?utm_source=ig_web_copy_link&igshid=MmJIY2I4NDBkZg==

KMV-the Autonomous & Heritage Institution, Jalandhar makes all attempts to provide global exposure to its students. P.G. Department of Physics at KMV always motivates the students to attend various programs like Summer Schools etc. in national and international universities and research centers. Many students are offered fellowships under the umbrella of various research grants offered by DST and DAE to pursue higher studies. Dr. Sandeep Kaur from P.G. Department of Physics is one such name. Dr. Kaur has done her Bachelor's (Non. Medical) and Masters' of Science (Physics) from Kanya Maha Vidyalaya, Jalandhar. She was awarded with IANS summer internship programme. She did her internship under Dr. Sanjay Jhinghan from Jamia Millia Islamia, Delhi. Recently, she completed her PhD from Thapar Institute of Engineering and Technology, Patiala on "Rare earth doped borotellurite glasses and glass-ceramics". She did her Ph.D under the able guidance of Dr. Neetu Verma, Associate Professor, Kanya Maha Vidyalaya and Dr. O.P. Pandey, Senior Professor, Thapar Institute of Engineering and Technology, Patiala. During her PhD Dr. Kaur, was awarded with a six months ICTP TRIL fellowship from International Center for theoretical physics (ICTP) and ENEA, Italy. During her fellowship she worked at Italian National Agency for New Technologies, Energy and Sustainable Economic Development (ENEA), Italy under the guidance of Dr. Mauro Falconeri. During her training period she worked on the structural properties of glasses and organic materials with special attention to the low frequency region. She gave the credit of her success to her teachers from the P.G. Department of Physics and Madam Principal for providing her opportunities at various stages of her student life. She also thanked the Govt. of India for the grants like SERB project grants and DBT Star college schemes because of which colleges can send their students to internships for getting hands-on training on various instruments and can take part in conferences.

Madam Principal congratulated Dr. Sandeep Kaur on successfully completing her Ph.D and wished her good luck for her future endeavors. She also congratulated the Physics Department for providing its students such big opportunities and encouraged them to do their best in future also.





KMV's Principal Prof. Dr. Atima Sharma Dwivedi felicitate Dr. Sandeep Kaur on completing PhD in Physics

Jalandhar-Seerat Gautam

Kanya Maha Vidyalaya (Autonomous) makes all attempts to provide global exposure to its students. Recently, Dr. Sandeep Kaur from PG Department of Physics was felicitated by Principal Prof. Atima Sharma Dwivedi on completing her PhD. Dr. Kaur has done her Bachelors (Non. Medical) and Masters' of Science (Physics) from KMV. She has completed her PhD from Thapar Institute of Engineering and Technology, Patiala on "Rare earth doped borotellurite glasses and glass-ceramics". She did her PhD under the able guidance of Dr. Neetu Verma, Associate Professor, Kanya Maha Vidyalaya and Dr. O.P. Pandey, Senior Professor, Thapar Institute of Engineering and Technology, Patiala. During her PhD, Dr. Kaur was

Economic Development (ENEA), Italy under the guidance of Dr. Mauro Falconeri. During her training period she worked on the structural properties of glasses and organic materials with special attention to the low frequency region. She was also awarded with IANS summer internship programme. She did her internship under Dr. Sanjay Jhinghan from Jamia Millia Islamia, Delhi. She gave the credit of her success to her teachers & Principal Prof. Atima Sharma Dwivedi for providing her opportunities at various stages of her student life. She also thanked Government of India for the grants like SERB project grants and DBT Star college schemes. Madam Principal congratulated Dr. Sandeep Kaur on successfully completing her

18. Let's know- NGPE

https://www.instagram.com/p/CsqORwQug7Z/?utm_source=ig_web_copy_link&igshid=MmJiY2I4NDBkZg==

1. **Date of program:** October 20, 2022
2. **Title/Theme of the Program:** Acquainted Students to NGPE
3. **Program for the benefit of:** Students to get knowledge to compete at national level
4. **Objective:** To motivate students to compete at national level to test their knowledge of physics
5. **Total no. of participants:** 40
6. **Venue of the program:** Nuclear lab, Kanya Maha Vidyalaya

Kanya Maha Vidyalaya the Autonomous & Heritage Institution, Jalandhar has been at the forefront in imparting quality education to the students. Students are encouraged to participate in various national level competitions. Under the able guidance of dynamic Madam Principal Dr. Atima Sharma, 'Acquainted to NGPE' (NATIONAL GRADUATE PHYSICS EXAMINATION) an orientation program is carried out in the institution. During this program Haramanpreet, student of M.Sc (Physics) transmit knowledge about NGPE. She told students that 'NGPE is the only national level examination testing students in theory and as well as experiment. NPGE is conducted by **Indian Association of Physics Teachers (IAPT)** and includes the individual 's assessment at India level. Dr. Neetu Verma, center incharge of national examinations in Physics Department of Kanya Maha Vidyalaya has been conducting this exam since 2007. Students of B.Sc. of Kanya Maha Vidyalaya, Jalandhar participate in **NATIONAL GRADUATE PHYSICS EXAMINATION** every year. They competed with the students from national reputed institutes like Mirinda House (Delhi), St. Stephen College (Delhi), BHU, Varanasi, Punjab University Chandigarh and various IITs. Last Year our students Ananya and Bishakha qualified this national examination with above cut off merit while four students named Anamika, Inderpreet, Harjot and Haramanpreet qualified this national examination with Top 10% of merit'. She inspired students to participate in exams and to utilize their knowledge of Physics. . **Principal Dr. (Mrs.) Atima Sharma** motivates and encourage students to compete in Exam.

Attendance cum feedback form

Let's Know-NGPE

Dated: October 20, 2022

Name of Student	Class	Roll no.	Feedback	Signature
Manjusha	BSc(H) Physics Sem IV	224229	Confidence building	Manjusha
Khusni	BSc. (H) Physics - IV	224226	Good	Khusni
Harpreet Kaur	BSc. (H) Physics IV	224231	Good	Harpreet
Amanpreet	BSc (H) Physics IV	224229	Good	Amanpreet
Manpreet	BSc (H) Physics - IV	224230	good experience	Manpreet
Raminder	BSc (H) Physics IV	224228	Good	Raminder
Tamir & Mod gir	BSc NM IV	224811	Good	Tamir
Simranjit Kaur	B.Sc (NM) IV	224812	Good	Simranjit
Shabnam	BSc Non Med - Sem 4	224810	Good	Shabnam

①

Attendance cum feedback form

Let's Know-NGPE

Dated: October 20, 2022

Name of Student	Class	Roll no.	Feedback	Signature
Shabnam	BSc Non-Med Sem-4	224810	Good	Shabnam
Ishika	BSc Non-Medical -IV	224814	Good	Ishika
Ravinder Kaur	BSc Cs IV	224453	Good	Ravinder
Navneet Kaur	B.Sc Non Medical IV	224801	Good.	Navneet Kaur
Mansi	BSc Non medical IV	224813	Good	Mansi
Rupinder Kaur	BSc (NM) IV	224803	Good	Rupinder
Jayisha	BSc (NM) IV	224815	Good	Jayisha
Bhavana Thakur	BSc (NM) IV	224804	Good	Bhavana Thakur

Attendance cum feedback form

Let's Know-NGPE

Dated: October 20, 2022

Name of Student	Class	Roll no.	Feedback	Signature
Beenu Kumari	B.Sc (NonMed) Sem 4	224802	Good	Beenu Kumari
Taruna	B.Sc (C.S) Sem 6 th	224481	Good	<u>Taruna</u>
Diksha	Bsc U Sem VI	224480	Good	<u>Diksha</u>
Indrapreet	Bsc CS Sem VI	224482	Good	<u>IIndrapreet</u>
Bishakha	Bsc CS Sem VI	224478	Good	<u>Bishakha</u>
Namini	Bsc CS Sem VI	224479	Good	<u>Namini</u>
Radwika	Bsc CS Sem VI	224476	Excellent	<u>Radwika</u>
Kajal	Bsc Non Medical Sem 6	224865	Good	<u>Kajal</u>
shama	BSC (nm) Sem. 6	224869	Good	<u>Shama</u>

25. Students participation in National Graduate Physics Examination

https://www.instagram.com/p/CsqQNXfOBbZ/?utm_source=ig_web_copy_link&igshid=MmJIY2I4NDBkZg==

1. **Date of Exam:** January 22, 2023
2. **Title of the Exam :** NGPE
3. **Objective:** To encourage students to take-up physics as a career.
5. **Total no. of participants:** Nearly 14 (Including 2 faculty members)
6. **Venue of the program:** KMV Jalandhar

Kanya Maha Vidyalaya, Jalandhar has been at the forefront in imparting quality education to the students. Students are encouraged to participate in various national level competitions. NGPE is the only national level examination testing students in theory and as well as experiment. NGPE is conducted by Indian Association of Physics Teachers (IAPT) and includes the individual's assessment at India level. Dr. Neetu Verma, center incharge of national examinations in Physics Department of Kanya Maha Vidyalaya has been conducting this exam since 2007. Under the able guidance of dynamic Madam Principal Dr. Atima Sharma, NATIONAL GRADUATE PHYSICS EXAMINATION (NGPE) is carried out this year in the institution on 22nd January, 2023. Twelve students of B.Sc. of Kanya Maha Vidyalaya, Jalandhar participated in NATIONAL GRADUATE PHYSICS EXAMINATION. The participation, purely voluntary, offers an opportunity to measure one's standing against a national standard. A number of scholarships (subject to a maximum of 5) have been instituted to encourage students to take-up physics as a career. Those who seek admission in M.Sc. (physics) after NGPE, are eligible for these scholarships. They competed with the students from national repute institutes like Mirinda House (Delhi), St. Stefan College (Delhi), BHU, Varanasi, Punjab University Chandigarh and various IITs. Principal Dr. (Mrs.) Atima Sharma conveyed her best wishes to students for their participation.



Fill this centre registration form for NGPE using CAPITAL letters and SEND it to Prof. B.P. Tyagi.
Please do not forget to mention PIN CODE.

From: Dr. Neetu Verma
Kanya Maha Vidyalaya
Talandhar



Date: 16/11/2022

Centre number
(if known)

01422

Email: neetu.verma75@yahoo.co.in

To,

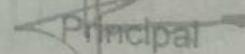
Prof. B.P. Tyagi
Chief Coordinator (Examination)
National Graduate Physics Examination
Indian Association of Physics Teachers
23, Adarsh Vihar, Raipur Road,
Dehradun - 248001 (Uttarakhand)

Sir,

Our Institution Kanya Maha Vidyalaya, Talandhar is a Registered centre / may please be Registered for National Graduate Physics Examination - 2023. Prof. Dr. Neetu Verma is appointed as Prof. In-charge of this Voluntary Academic Activity for the year 2022-2023. This Institution will provide the necessary facilities for the conduct of examination free of charge.

You are hereafter requested to communicate to the Prof. In-charge in connection with this examination.

Yours faithfully,


Principal

Kanya Maha Vidyalaya
PRINCIPAL
Talandhar

(NAME Prof. (Dr.) ATIMA SHARMA)

Phone (Off.) (Code 0181) 2296605

SEAL

Prof. in-charge : Dr. NEETU VERMA
Address (Off.) : Pg. Dept of Physics, Kanya Maha Vidyalaya
Talandhar Pin: 144004
Phone (Off.) : (0181) 2296606
code
Address (Res.) : 351, Greater Kailash, Near CT Public School
Talandhar city Pin: 144021
Phone (Res.) : (0181) 2672738 9463001901
code
Email id: neetu.verma75@yahoo.co.in
(Please ✓ address for all further correspondence)

IMPORTANT: Fill the following sheet completely TAKE TWO XEROX COPIES, send this original sheet along with payment receipt (Cash/NEFT) to Prof. B.P. Tyagi Chief Coordinator (Examination), Address: Vihar, Rajpur Road, Dehradun-248001 (Uttarakhand) on or before 17-11-2022 and retain two xerox copies with you. Do not forget to write PIN Code on the postal address.



INDIAN ASSOCIATION OF PHYSICS TEACHERS

[Enrolment Sheet : NATIONAL GRADUATE PHYSICS EXAMINATION - 2023]

Date _____

Centre Number: G 1 1 2 2 Phone: (Off) 0181 2296605 (Res.) 2672738 (Mob.) 9463001901

Name of Centre: KANYA MAHA VIDYALAYA, JALANDHAR

Name of Centre In-Charge: Dr. NEETU VERMA

Postal Address of Centre In-Charge: P.G. Dept. of Physics, Kanya Maha Vidyalaya Jalandhar, 146004

Number of Candidates enrolled: 12 Email ID of Centre In-Charge: neetuverma75@yahoo.co.in Pin: 1 4 4 0 0 4

Language in which Question Paper is required with number: (1) Language: English No.: 1 (2) Language: _____ No.: _____

Details of payment: NEFT/RTGS/Cash Deposit/Transfer, Date: 16/11/2022 NEFT/RTGS No. _____

Amount (in Figures) Rs. 120/- (in words) Rupees One hundred nine hundred twenty only

LIST OF CANDIDATES

S.No.	Roll No.	Name of Candidate	Phone	E-mail ID	Father's Initial	M/F	Class	Institution where He/She is studying	Language of Q. Paper
	23001								
	23002								
	23003								
	23004								
	23005								
	23006								
	23007								
	23008								
	23009								
	23010								
	23011								
	23012								
	23013								
	23014								
	23015								

(Signature)

S.No.	Roll No.	STUDENT NAME	Phone Number	FATHER'S NAME	Email Address	M/F	CLASS	INSTITUTION WHERE HE/SHE IS STUDYING	LANGUAGE OF ANSWER
1	23001	Charu	6230063716	Narinder Pal Singh	cau03042003@gmail.com	F	B Sc. (Hons.) III Year	KANYA MAHA VIDYALAYA	ENGLISH
2	23002	Prachi Sharma	8219360458	Rajpal Sharma	prachis9877@gmail.com	F	B Sc. (Hons.) III Year	KANYA MAHA VIDYALAYA	ENGLISH
3	23003	Meenu Rani	8284985508	Rajesh Kumar	meenujindal85508@gmail.com	F	B Sc. (CS) II Year	KANYA MAHA VIDYALAYA	ENGLISH
4	23004	Lovepreet Kaur	9915914878	Vakeel Singh	lovepreetdeol718@gmail.com	F	B Sc. (CS) II Year	KANYA MAHA VIDYALAYA	ENGLISH
5	23005	Ravinder Kaur	7658892177	Harnam Lal	ravinderkp39@gmail.com	F	B Sc. (CS) II Year	KANYA MAHA VIDYALAYA	ENGLISH
6	23006	Amisha Sharma	9814137895	Manohar Lal Sharma	amishasharma5623@gmail.com	F	B Sc. (CS) II Year	KANYA MAHA VIDYALAYA	ENGLISH
7	23007	Kasak Arora	9779748904	Hira Arora	kasakarora301@gmail.com	F	B Sc. (NM) I Year	KANYA MAHA VIDYALAYA	ENGLISH
8	23008	Harmanpreet Kaur	7814843296	Paramjit Singh	harmankaur222324@gmail.com	F	B Sc. (NM) I Year	KANYA MAHA VIDYALAYA	ENGLISH
9	23009	Smriti	6230576563	Pawan Kumar Samkaria	smritis2004@gmail.com	F	B Sc. (NM) I Year	KANYA MAHA VIDYALAYA	ENGLISH

P

10	23010	Simmi	6280726687	Vashisht	kumargaurav1500@gmail.com	F	B Sc. (CS) I Year	KANYA MAHA VIDYALAYA	ENGLISH
11	23011	Harpreet Kaur	8264521967	Jasbir Singh	happysonu096@gmail.com	F	B Sc. (CS) I Year	KANYA MAHA VIDYALAYA	ENGLISH
12	23012	Jyoti	9877994113	Monu	mk7930739@gmail.com	F	B Sc. (CS) I Year	KANYA MAHA VIDYALAYA	ENGLISH

P

The Principal,
Kanya Maha Vidyalaya,
Talandhar

Subject: Conduct of NGPE exam on 22nd Jan 2023 (Sunday)

Respected Mam,

It is to bring to your kind notice that National Graduate Examination in Physics (NGPE) is going to be held on 22nd Jan 2023 (Sunday) in our Campus where students having Physics as a subject in B.Sc are going to appear. Kindly allow us to open Physics dept. along with smart class room R-58 for the same.

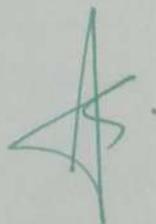
Thanking you.

Yours Sincerely,

Heel

(Dr. Neetu Verma)

18th Jan 2023





INDIAN ASSOCIATION OF PHYSICS TEACHERS
206, Adarsh Complex, Awasth Vikas I Keshavpuram, Kalyanpur, Kanpur - 208017
NATIONAL GRADUATE PHYSICS EXAMINATION - 2022-23

G-1422 KANYA MAHA VIDYALYA JALANDHAR, (Pb)

CENTRE IN-CHARGE:
DR. NEETU VERMA

Sr. No.	Centre	Roll No.	Name of Student	F/M	Gen	Class	Med	Marks	Rank	Remarks
1	G-1422	23001	CHARU	NPS	F	B.Sc III	ENG	24		
2	G-1422	23002	PRACHI SHARMA	RS	F	B.Sc III	ENG	18		
3	G-1422	23003	MEENU RANI	RK	F	B.Sc II	ENG	30		
4	G-1422	23004	LOVEPREET KAUR	VS	F	B.Sc II	ENG	42		TOP
5	G-1422	23005	RAVINDER KAUR	HL	F	B.Sc II	ENG	18		
6	G-1422	23006	AMISHA SHARMA	MLS	F	B.Sc II	ENG	18		
7	G-1422	23007	KASAK ARORA	HA	F	B.S I	ENG	6		
8	G-1422	23008	HARMANPREET KAUR	PS	F	B.S I	ENG	36		
9	G-1422	23009	SMRITI	PKS	F	B.S I	ENG	12		
10	G-1422	23010	SIMMI	VS	F	B.S I	ENG	18		
11	G-1422	23011	HARPREET KAUR	JS	F	B.S I	ENG	12		
12	G-1422	23012	JYOTI	M	F	B.S I	ENG	18		
13	G-1422	23401	ANKIT KUMAR BHAGAT	JKB	M	B.S III	ENG	A		
14	G-1422	23402	SHAIK MOHAMMAD SOHAIL	SNB	M	B.S I	ENG	A		

(Handwritten mark)

AC: Above cut off [for evaluation of Part B]
TOP: TOP 10% at the centre
Dated: 07-03-2023

(Signature)
Prof BP TYAGI
Chief Coordinator (Examination)

(Signature)
Dr. Anil Kr Singh
Coordinator NGPE
Ewing Christian College Allahabad

Examination office: 215, Block H, Dignity Road, DRS, Kanpur - 208017

26. भौतिक बसंत मेला

https://www.instagram.com/p/CsqQ8EIO9lt/?utm_source=ig_web_copy_link&igshid=MmJiY2l4NDBkZg==

<https://youtu.be/VjCneTnBRdE>

1. **Date of program:** January 25, 2023
2. **Title/Theme of the Program:** Science with festivities of Basant'
3. **Program for the benefit of:** Students to develop creativity, visionary thinking and imagination among budding scientists.
4. **Objective:** Motivate Students to showcase their talent and imagination in an innovative manner.
5. **Total no. of participants:** 150
6. **Venue:** Kanya Maha Vidyalaya, Jalandhar

Kanya Maha Vidyalaya always focuses on the overall development of the students and as time change, so must we, therefore, here at KMV, harness new idea and technology. Under the umbrella of this aim. VIPNET science society of P.G. Department of Physics organized a recreational and science-oriented event भौतिक बसंत मेला. The theme of the event was 'Science with festivities of Basant'. This event/exhibition was a good initiative to develop creativity, visionary thinking and imagination among budding scientists. It provided a platform to the students where they were an inherent part of all the activities and were able to showcase their talent and imagination in innovative manner.

The event witnessed participation of bachelor's and master's Physics students of Kanya Maha Vidyalaya. Various competitions were held under the event. The chief guest of the event was Dr. Atima Sharma Dwivedi, Principal, Kanya Maha Vidyalaya.

The first competition was 'Classroom decoration'. Students decorated their classrooms by amalgamating science and Basant. BSc. (H) Physics sem VI and BSc (NM/ CSc.) Sem VI bagged first position. The second position was earned by MSc Physics sem VI followed by BSc (NM/CSc) sem IV which got third prize. The aim of the event was to develop adaptable, creative and motivated individuals who can take responsibility for their own learning and also work effectively in team for the betterment of the society.

The other competitions were 'Poster Making' and 'Rangoli Making' based on the theme of the event. The winners of Poster making competition were Aamna MSc Physics sem II and Amisha BSc CSc sem IV. The second position was held by Smriti BSc NM sem II and Khushi BSc (H) Physics sem IV, Harmanpreet Kaur BSc NM sem II got third position. Consolation prizes were given to Vibhuti Salaria MSc Physics sem IV and Sandeep Kaur MSc Physics sem II.

The winners of Rangoli Making competition were - Harmanpreet Kaur and Sandeep Kaur from MSc Physics sem II and Rushi Chambyal and Harmeet Kaur from BSc (H) Physics sem VI. Gagandeep Kaur and Vibhuti Salaria bagged second position. Third position was earned by Amanpreet Kaur and Mansi Devi of BSc NM sem VI. The consolation prize was given to Palak Saini and Anamika BSc CSc sem II. All these activities have galvanised the hidden talent of students, built up their confidence, create awareness and enabled them to face future challenges of the world. This exercise has increased passion for science among the masses.

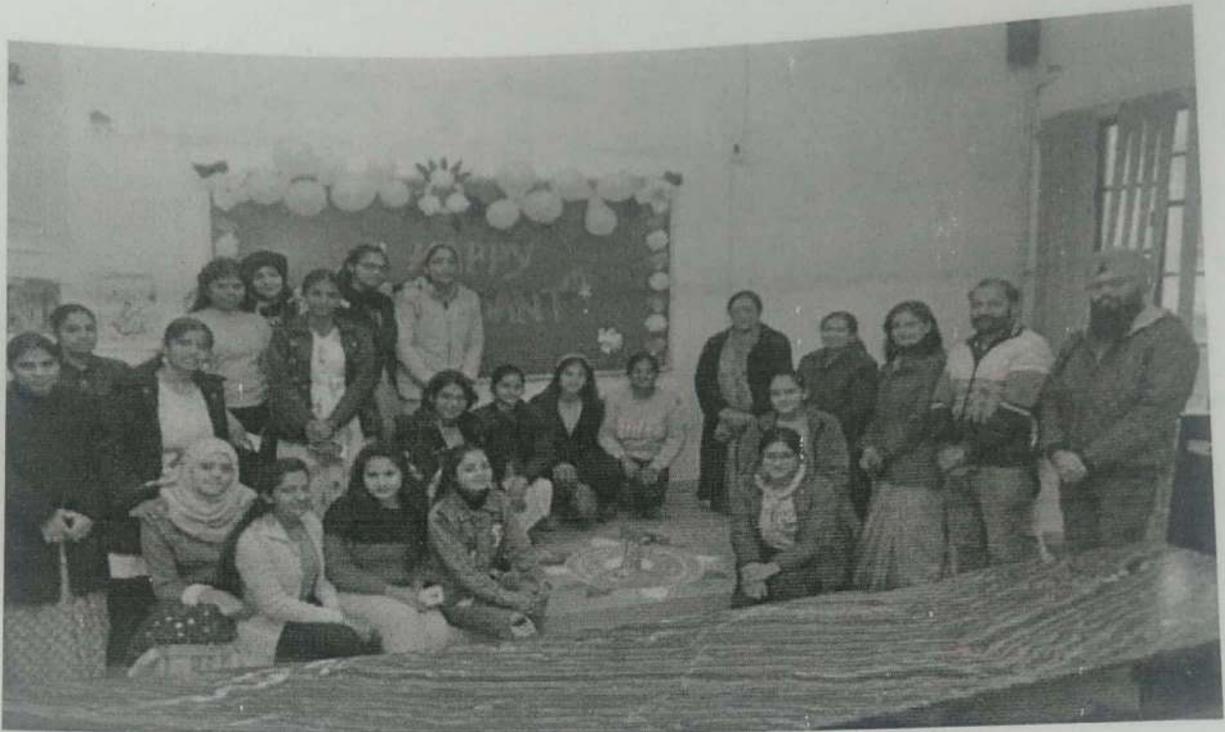
In the Valedictory function, students gave various guest performances. Students of Bachelor's in Hons. PHYSICS sang Sarasvati Pooja & Beenu Kumari student of B.Sc. NM had recited her poem on life of different scientists. Charu and Manjushah sung a beautiful patriotic song. Students of M.Sc. Physics Ist year had sung Punjabi traditional songs on this Basant Occasion & performed Gidha also. All the participants were appreciated by Participation Certificates. The winners were awarded by Madam Principal.

Madam Principal Prof. Dr. Atima Sharma Dwivedi appreciated the efforts of faculty as well as the enthusiasm of students. She also stated that the college is striving ceaselessly to maintain its standards of excellence by fostering an

environment of endless opportunities and promoting a culture of life-long learning. Binding up the event, Mrs Parminder Cheema, HOD Physics Department presented a vote of thanks and appreciated students for their co - operation and active participation.



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Event: Bhautik Basant

Date: October, 19, 2022

Venue: Physics Department

Activity: Classroom decoration

Result

First Position

BSc. (H) Physics sem VI

BSc (NM/ CSc.) Sem VI

Second position

MSc Physics Sem VI

Third Position

BSc (NM/CSc) Sem IV

Consolation prize

M.Sc Physics Sem II

BSc. (H) Physics sem II

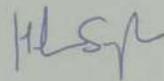
BSc (NM/ CSc.) Sem II

Judges Name

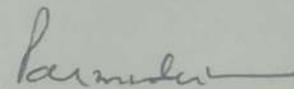
Dr. Harleen Singh

Ms. Saloni Puri

Signature



Saloni Puri



Mrs. Parminder Kaur
Head of Department
P.G. Department of Physics

Event: Bhautik Basant

Date: October, 19, 2022

Venue: Physics Department

Activity: Poster Making

First Position

Aamna MSc Physics sem II

Amisha BSc CSc Sem IV

Second Position

Smriti BSc NM Sem II

Third Position

Harmanpreet Kaur BSc NM Sem II

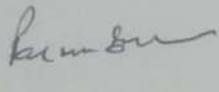
Khushi BSc (H) Physics Sem IV

Consolation prize

Vibhuti Salaria MSc Physics Sem IV

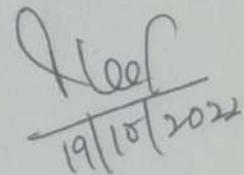
Sandeep Kaur MSc Physics Sem II

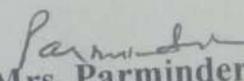
Judges Name

Ms. Parminder Kaur 

Dr. Neetu Verma

Signature


19/10/2022


Mrs. Parminder Kaur
Head of Department
P.G. Department of Physics

Event: Bhautik Basant

Date: October, 19, 2022

Venue: Physics Department

Activity: Rangoli Making

First Position

Haramanpreet Kaur and Sandeep Kaur from MSc Physics Sem II

Rushi Chambyal and Harmeet Kaur from BSc (H) Physics Sem VI

Second Position

Gagandeep Kaur and Vibhuti Salaria MSc Physics Sem IV

Third position

Amanpreet Kaur and Mansi Devi of BSc NM Sem VI.

Consolation prize

Palak Saini BSc CSc sem II

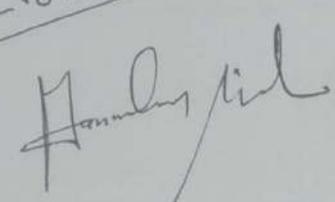
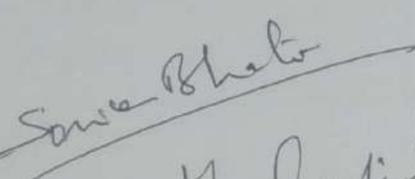
Anamika BSc CSc sem II

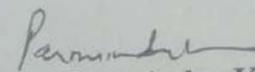
Judges Name

Dr. Sonik Bhatia

Dr. Manmohan Singh Heer

Signature




Mrs. Parminder Kaur
Head of Department
P.G. Department of Physics

FEEDBACK OF BASANT CELEBRATIONS

25-JANUARY-2023

Sr. No.	NAME	CLASS	HOW DID YOU LIKE THE EVENT?	Which Competition do you like the most?	SIGNATURES
1.	Rushi Chambyal	B.sc(H) PHYSICS SEM-6	Excellent	class decoration	<u>Rushi</u>
2.	Harshat Kaur	"	Good	Class decoration	Harshat
3.	Nandita Thakur	"	Good	Class decoration	<u>Nandita</u>
4.	Anamika	B.sc(H) Physics sem-6	Good	Rangoli and class Decoration	<u>Anamika</u>
5.	Neha	B.sc(H) Phy. Sem -6	Good	class decoration	<u>Neha</u>
6.	Harmandeep Kaur	"	good	class decoration	Harman
7.	Simranjeet Kaur	"	Good	"	<u>Simu</u>
8.	Saniya Thakur	"	Excellent	class Decoration	<u>Saniya</u>
9.	Poochi Sharma	"	Good	class Decoration	<u>Poochi</u>

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FEEDBACK OF BASANT CELEBRATIONS

25-JANUARY-2023

Sr. No.	NAME	CLASS	HOW DID YOU LIKE THE EVENT?	Which Competition do you like the most?	SIGNATURES
1.	Aamna	M.Sc (Physics) Sem II	Gorgeous	Class decoration	<u>Aamna</u>
2.	Syjal Thakur	M.Sc Physics Sem-II	I enjoy the event very much	Class Decoration	Syjal Thakur
3.	Shivalika	M.Sc Physics Sem II	very Good	class decoration	<u>Shivalika</u>
4.	Tanvi Sharma	M.Sc. Phy. Sem II	Awsome.	Class Decosation	<u>Tanvi Sharma</u>
5.	Sharanyid Kaur	M.Sc. Phy. Sem II	yes, It was good & I've enjoyed it alot.	Class Decoration	<u>Sharanyid Kaur</u>
6.	Akshita Thakur	M.Sc Phy Sem II	Glorious	Class Decoration	<u>Akshita</u>
7.	Harman Kaur	M.Sc Phy Sem II	Awe-Inspiring	Class Decoration	<u>Harman Kaur</u>
8.	Sandeep Kaur	M.Sc Phy Sem II	Wonderful	Poster Making	<u>Sandeep Kaur</u>
9.	Harmanpreet Kaur	M.Sc. Phy Sem II	Very Nice	Rangoli making	<u>Harmanpreet Kaur</u>

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FEEDBACK OF BASANT CELEBRATIONS

25-JANUARY-2023

Sr. No.	NAME	CLASS	HOW DID YOU LIKE THE EVENT?	Which Competition do you like the most?	SIGNATURES
1	Mansi	BSc Non-medical Sem 4	It was Good	Class Decoration	<u>Mansi</u>
2	Rupinder Kaur	BSc Non- medical Sem 4.	Good	Class - decoration	Rupinder Kaur
3	Sajal Thakur	BSc Non- Medical Sem-4	Good	Class - decoration	Sajal Thakur.
4	Beenu Kumari	BSc Non- Medical Sem-4	Good	Class - decoration	Beenu Kumari
5.	Ishika .	BSc Non- Medical Sem-4	Good.	Class - decoration	<u>Ishika</u>
6.	Bhawana Thakur	BSC(NM) sem 4	Good	Class decoration.	<u>Bhawana</u>
7.	Sameriti Salasia	BSC (NM) sem 4	It was good.	Class decoration	<u>Sameriti</u>
8.	Karnu Thakur	BSC (NM) sem 4.	Very good.	Class decoration	<u>Karnu</u>
9.	Tanisha	BSC (NM) sem 4.	Good	Class, Decoration	<u>Tanisha</u>

FEEDBACK OF BASANT CELEBRATIONS

25-JANUARY-2023

Sr. No.	NAME	CLASS	HOW DID YOU LIKE THE EVENT?	Which Competition do you like the most?	SIGNATURES
1.	Anchal Pathania	MSc (Physics) Sem-4	Awesome!!	class decoration	
2.	Vishali	MSc (Phys.) Sem-4	Awesome	Class decoration	<u>Vishali</u>
3	Vinod Sounkhle	MSc Physics Sem-4	Amazing experience we learnt a lot of things	Class decoration	<u>Vinod</u>
4	Vibhuti Salaria	MSc Physics Sem 4	Very exciting	class decoration	<u>Vibhuti</u>
5	Gragandeep Kaur	mSc. Phys. Sem 4	Excellent.	Class decoration, Poster Making	<u>G. Kaur.</u>
6.	Anshuman	M.Sc. Physics Sem 4	Very Good	Class decoration	<u>Anshuman</u>
					<u>A</u>

FEEDBACK OF BASANT CELEBRATIONS

25-JANUARY-2023

Sr. No.	NAME	CLASS	HOW DID YOU LIKE THE EVENT?	Which Competition do you like the most?	SIGNATURES
1.	Khushi	BSc. Physics (Hons) Sem IV	enjoyable	Class decoration.	<u>Khushi</u>
2.	Mandeep	BSc. (Hons) Physics Sem-IV	Blissful and we enjoyed it	Classroom Decoration	<u>Mandeep</u>
3.	Manjusha	BSc(H) Physics Sem IV	Recreational And Enjoyable	Classroom Decoration	<u>Manjusha</u>
4	Harpreet Kaur	BSc (H) Physics Sem IV	interesting 😊	Classroom Decoration	<u>Harpreet Kaur</u>
5.	Gurdeep kaur	MSc. Phy Sem II	Nice	Rangoli & Decoration	<u>Gurdeep</u>

30. Mentoring program to explore Innovative Experiments (GSSS, Bolna)

1. Date of program: February 09, 2023
2. Title/Theme of the Program: "Captivating Learning through Innovative Experiments"
3. Program for the benefit of: Students to be self-sufficient and improve their practical skills by creative and innovative ideas.
4. Objective: To bring growth and felicitate learning among students of other schools.
5. Total no. of participants: 28
6. Venue: Innovation Lab, Kanya Maha Vidyalaya, Jalandhar

To promote scientific innovations among school students, P.G Department of Physics, Kanya Maha Vidyalaya, Jalandhar an autonomous and heritage institution has organized a workshop titled "Captivating Learning through Innovative Experiments" in which KMViets demonstrated some unique and innovative experiments to school students. Idea behind organizing this activity was to boost the creative minds of our budding innovators and at the same time make learning of Physics interesting for school students. Under the same umbrella Government Senior Secondary School, Bolna Jalandhar, visited KMV College. Students learnt about various novel experiments like Newton Cradle, Air Cannon, Lorentz Oscillator, Motion in inclined plane, energy transfer in spring etc., were exhibited to the students to make it easier for them to understand the concepts in a practical way. KMViets explained the concept of conservation of energy and momentum, Moment of Inertia, Doppler's Effect, types of waves, propagation of waves in a medium, Coupled pendulums with variable lengths etc. Students have devised Newton's cradle, Air cannon, Looping the loop etc. to make fundamentals easier to understand. In the program KMViets acted as mentors for their junior school students. The event has helped budding school level innovators to think logically and to develop a few more prototypes. Students were encouraged to investigate new facts about each instrument and were advised to plan different experiments and activities related to apparatuses. Idea behind organizing this session was to develop momentum in the minds of young students. Students were given the liberty to explore concepts related to different setups in the innovation hub. Students got encouraged by the work of their seniors and showed willingness to

take initiatives for more creative projects and experiments. Principal Dr. (Prof.) Atima Sharma Dwivedi cheered up the students and encouraged them to organize such events in future to benefit other students.



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Kanya Maha Vidyalaya (Autonomous)

FEEDBACK FORM OF VISIT TO INNOVATION HUB

Date: 7th Feb 2023

Name of the institution: GSSS Bolma

Name and contact numbers of accompanying teachers: Sanita Rani, 9463478700

Total no of students: 28

Remarks: _____

Sr no.	Name of the student	Class	Contact number	Are you find Innovation hub interesting Yes/No	What you like here the most	Remarks (if any)
1)	Sapna	10+1	977968150	Yes	All	All exper. related with them
2)	Leena	10+1	883764326	Yes	Explanation	"
3)	Munira	10+1	977968150	Yes		It is very interesting
4)	Sanjna	10+1	883764326	Yes		"
5)	Muskan	10+1	872895616	Yes	Autonomous	"
6)	Priyanka	+1	977968150	Yes		"
7)	Jasmeen	+1	950147920	Yes		Interesting
8)	Disha	10 th	941165746	Yes	Newton cradle	
9)	Jasdeep Kaur	10+1	683995606	Yes		
10)	Sunaina	10+1	9463478700	Yes		
11)	Jasdeep Kaur	10+1	683995606	Yes		All experiments are very interesting
12)	Gurika	10+1	950120931	Yes		
13)	Saxina	10+2	9915910530	Yes		
14)	Mansi	10+2	855681158	Yes		

C

15)	Rohani	10+2	971950630	Yes		visit to Anvati Ruhupada Kneel
16)	Payal	10+2	987222557	Yes		
17)	Sabnita	10+1	7740024270	yes		
18)	Sumita	10+2	628494550	Yes		
19)	Jyoti	10+2	8727814337	yes	Newton cradle	
20)	Tamara	10+2		Yes		All exp dvc v. interesting
21)	Nodi	10+2		Yes	Aix Cannon	I learnt alot from it
22)	Pooja	10+2		yes		I learnt alot from it
23)	Palvi	10+1		yes		I learnt alot from it
24)	Payal	10+1		yes		I learnt alot from it
25)	Namaste	10 th		yes		"
26)	Arta	10 th		Yes		"
27)	Nardeep	10 th		yes		"
28)	Piya	10 th		yes		"
29)						
30)						
31)						

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31. Mentoring program to explore Innovative Experiments (GSSS, Nurpur, Jalandhar)

1. **Date of program:** February 13, 2023
2. **Title/Theme of the Program:** "Captivating Learning through Innovative Experiments"
3. **Program for the benefit of:** Students to give exposure of science equipments and high tech apparatuses
4. **Objective:** To promote zeal of scientific and capacitive learning among students of different institutes.
5. **Total no. of participants:** 20
6. **Venue:** Innovation lab, Kanya Maha Vidyalaya, Jalandhar

To promote scientific innovations among school students, P.G Department of Physics, Kanya Maha Vidyalaya, Jalandhar an autonomous and heritage institution has organized a workshop titled "Captivating Learning through Innovative Experiments" in which KMViets demonstrated some unique and innovative experiments to school students. Idea behind organizing this activity was to boost the creative minds of our budding innovators and at the same time making learning of Physics interesting for school students. Under the same umbrella Government Senior Secondary School, Nurpur Jalandhar visited Innovation lab of Kanya Maha Vidyalaya, Jalandhar. Students learnt various novel experiments like Newton Cradle, Air Canon, Lorentz Oscillator, Motion in inclined plane, energy transfer in spring etc., were exhibited to the students to make it easier for them to understand the concepts in a practical way. KMViets explained the concept of conservation of energy and momentum, Moment of Inertia, Doppler's Effect, types of waves, propagation of waves in a medium, Coupled pendulums with variable lengths etc. Students have devised Newton's cradle, Air canon, Looping the loop etc. to make fundamentals easier to understand. In the program KMViets acted as mentors for their junior school students. The event has helped budding school level innovators to think logically and to develop few more prototypes. Students were encouraged to investigate new facts about each instrument and were advised to plan different experiments and activities related to apparatuses. Idea behind organizing this session was to develop momentum in the minds of young students. Students were given the liberty to explore



concepts related to different setups in innovation hub. This event proved effective to spread science education at school level. Exposure of science equipments and hightech apparatuses was given those were earlier inaccessible to school students. Students got encouraged by the work of their seniors and showed willingness to take initiatives for more creative projects and experiments. Principal Dr. (Prof.) Atima Sharma Dwivedi cheered up the students and encouraged them to organize such events in future to benefit other students.



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Kanya Maha Vidyalaya, Jalandhar (Autonomous)

GSSS Nurpur, Jalandhar

FEEDBACK FORM

DATE: 12-02-2023

Name and Contact number of accompanying teachers

Ms. Anantika Mahajan

Ms. Sarita Arora

No of students: 08

Remarks or suggestions: Very great experience and innovative lab to understand the concepts of science.

Name	Class	Contact number	What you have learnt from it	Any Suggestions
1. Kulsi	+1	9877610287	INFINITE Well	It is very good experiment
2. Priti	+1	7814229937	Air Cannon	All experiment is very good.
3. Neetu	+1	7814988336	Air Cannon	All experiment is very interesting.
4. Ganga	+1	9041169733	Air Cannon	It is very interesting.
5. Bandana	+1	9464978215	Newton Cradle	I like it it was very good experience.
6. Mamda	10 th	8746957654	INFINITE well	It is like and good experiment.
7. Bari	10 th	7814006403	INFINITE WELL	It is good experiment
8. Kavita	10 th	6739564851	dopler's Effect	It relate with theory

32. IAPT Women's Day Celebration

1. **Date of program:** March 08, 2023
2. **Title/Theme of the Program:** Women in Science
3. **Program for the benefit of:** Women in field of science and technology
4. **Objective:** To promote women in higher education and field of science and technology
5. **Total no. of participants:** 10 Panelist + 35 Participants
6. **Venue:** Online

Discovering and developing newer and better ways for women empowerment and evolving a better society is a daily effort at KMV- The Heritage Institution. The Indian Association of Physics Teachers celebrated International Women's Day by inviting Women Scientists from all over the country. In this event Dr. Neetu Verma, Associate Professor from P.G. Department of Physics was invited as a panelist. Dr. Ajoy Ghatak, a renowned scientist was the head of the session. During the panel discussion various agendas were discussed like, The importance of skill education for women specially, the initiatives Govt of India is taking for skill development, the gender gap is even wider in scientific research field. Panel also discussed about All India Survey on Higher Education 2018-19 which says, just 3% of women enrol in PhD in sciences and only 6% opt for a PhD in Engineering and Technology. Panel discussed about various programmes introduced by the government to increase women participation in STEM such as the Vigyan Jyoti scheme which was launched by the Department of Science & Technology for the meritorious girls in high school to pursue STEM. Dr. Neetu Verma discussed about the main aim of IIC at KMV which is to encourage young talented minds to participate in the entrepreneurial initiatives by providing them a perfect platform for showcasing their talents, working together as teams and participate in various competitions. She further added that institute has created an innovative environment for the students to discover, develop, deploy their skills and talents. So that students can foster an entrepreneurial culture, by providing the students opportunities to transform their innovative ideas to reality. She also stressed upon promoting new technology/knowledge/ innovation-based start-ups by providing initial funding to students to work on ideas to develop with commercial products.



And to conduct seminars and workshops by renowned entrepreneurs, government officials and experts from different fields to guide and motivate students towards entrepreneurship. Madam Principal congratulated Dr. Verma for representing the college at the National level platform. She also stated that the college is striving ceaselessly to maintain its standards of excellence by fostering an environment of endless opportunities and promoting innovation among women.

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Indian Association of Physics Teachers (IAPT)
Proudly Invites for a Panel Discussion on
"Women in Science"



Celebrating International Women's Day 2023

8 March 2023
5.00 PM - 6.00 PM

Prof. Rekha Ghorpade
Gen. Secretary, IAPT

Prof. P.K. Ahluwalia
President, IAPT

Zoom Link to join

<https://us06web.zoom.us/j/81688764399?pwd=c1hNbGYxUXAyeXF0V1ZFK2liSGVyQT09>

Panellists

- Prof. Ajoy K Ghatak (Delhi)
- Prof. P.K. Ahluwalia (Shimla)
- Prof. K.N. Joshipura (Gujrat)
- Dr. Ranjita Deka (Assam)
- Prof. Sarmistha Sahu (Bengaluru)
- Prof. Kamala Y.C. (Bengaluru)
- Prof. Vandna Luthra (N. Delhi)
- Dr. Neetu Chopra (Jalandhar)
- Dr. Pius Augustine (Kerala)
- Prof. Rekha Ghorpade (Mumbai)



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34. KMV Physics Professors bagged prestigious research from Bhabha Atomic Research Center, Mumbai (BRNS)

Dated: March 09, 2023

<https://www.facebook.com/groups/529405914078969/permalink/1937668313252715/?mibextid=Nif5oz>

Discovering and developing newer and better ways for women empowerment and evolving a better society is a daily effort at KMV- The Heritage Institution. Dr Neetu Verma and Dr. Gopi Sharma from physics department have brought laurels for the Institution. They have recently been awarded a research grant from the Board of Research in Nuclear Science (BRNS) in collaboration with Dr. P. Nandi from Bhabha Atomic Research Center, Mumbai. They have been awarded with research grant worth **Rs. 25.5 Lakh** for conducting research. They will be working on the radiation shielding windows based on oxide glasses for three years. It is worth mentioning here that Dr. Verma and Dr. Gopi are conducting research on glasses and nano glass composites at KMV for various applications. Dr. Neetu Verma is recipient of prestigious Dinabandhu Sahu award for her innovative teaching methods from Indian Association of Physics Teachers (IAPT) and many more awards like Best teacher awards, Best presentation awards from many agencies. She has completed many research projects sanctioned by the Department of Science and Technology, University Grant Commission and published papers in international journals. She is an innovation ambassador of KMV Institutional council under which many innovative projects and ideas were presented at National level competitions like Toycathon, Smart India Hackathon etc. She has been coordinator of DBT grant under Star Status Scheme. Dr. Gopi Sharma is also the recipient of various national and international research grants. She has completed more than 8 major research projects in collaboration with ENEA Italy, COE College USA, Department of Science and Technology, Bhabha Atomic Research Centre, Tata Institution of Fundamental Research, Department of Atomic Energy Govt. of India.. Both of these teachers are guiding Ph.D. students. PG Department of Physics at KMV is well equipped with highly sophisticated research labs supported by FIST and CURIE grants from the Department of Science and Technology, Govt. of India and provides support to students and faculty from other institutions to conduct research. Science at KMV established in 1950 has always been a pioneer in science education having highly

qualitative and experienced teachers in various Departments. Dr. Adima Sharma Dwivedi congratulated the department of physics and faculty members for their success and recognition on international and national level.

'डा. गोपी शर्मा व डा. नीतू वर्मा को मिली 25.5 लाख रुपए की रिसर्च ग्रांट'

बुधवार, 9 अप्रैल (शिमला): कन्या महाविद्यालय के पोस्ट ग्रेजुएट डिपार्टमेंट ऑफ फिजिक्स की डा. नीतू वर्मा एवं डा. गोपी शर्मा ने 'वार्ड ऑफ रिसर्च इन न्यूक्लियर साइंस' से 25.5 लाख रुपए की रिसर्च ग्रांट प्राप्त करके कालेज का गौरव बढ़ाया है।



राष्ट्रीय व अंतरराष्ट्रीय स्तर पर भी अनेकों प्रॉजेक्ट्स प्राप्त कर चुकी हैं और वह आई.एन.ई.ए., इटली, को-कालेज यू.एस.ए., भाभा एटॉमिक रिसर्च सेंटर, टाटा इंस्टीट्यूट, डिपार्टमेंट ऑफ साइंस एंड टेक्नोलॉजी एवं एटॉमिक एनर्जी भारत सरकार के साथ मिलकर इसमें अधिक मेजर रिसर्च प्रोजेक्ट्स पर काम कर चुकी हैं और डा.

प्रिंसिपल डा. अतिमा शर्मा द्विवेदी ने बताया कि दोनों फैकल्टी सदस्यों को उच्च ग्रांट डा. पी. नंदी (भाभा एटॉमिक रिसर्च सेंटर, मुंबई) के साथ हुई साझेदारी के तहत प्राप्त हुई है जिसके तहत अब दोनों की ओर से अक्सिटाइड ग्लाइसिम पर आधारित 'रेडिफ़ेशन शिफ्टिंग विडोज' विषय पर अगले 3 वर्षों के लिए शोध कार्य किया जाएगा।

डा. नीतू व डा. गोपी को बड़ा टेक प्रिजेंट डा. अतिमा शर्मा द्विवेदी।

उल्लेखनीय है कि डा. गोपी शर्मा व डा. नीतू वर्मा की ओर से कालेज में ग्लाइसिम एवं नैनो ग्लाइसिम कंपोजिट्स विषय पर भी रिसर्च की जा रही है।

शोध क्षेत्र में महत्वपूर्ण काम करने के लिए यह ग्रांट प्राप्त करने वाली डा. गोपी शर्मा द्वारा पहले भी

नीतू वर्मा भी शोध क्षेत्र में अपने योगदान के चलते 'टीनकंबु साहू अवार्ड' हासिल कर चुकी हैं।

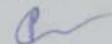
डा. अतिमा शर्मा द्विवेदी ने दोनों को बधाई देते हुए उन्हें भविष्य में भी सफलता के अनेकों आयाम स्वीकार करने का अवार्ड दिया।

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35. KMV Physics student among Top 10% in the nation

1. **Date of program:** March 22 , 2023
2. **Title/Theme of the Program:** National Graduate Physics Examination
3. **Program for the benefit of:** Students to test concepts of Physics and compete at national level
4. **Objective:** To motivate students to stake-up physics as a career
5. **Total no. of participants:** 12
6. **Venue of the program:** Physics lab, Kanya Maha Vidyalaya

Kanya Maha Vidyalaya, Jalandhar has been at the forefront in imparting quality education to the students. Students are encouraged to participate in various national level competitions. Under the able guidance of dynamic Madam Principal Dr. Atima Sharma, **NATIONAL GRADUATE PHYSICS EXAMINATION** (NGPE) is carried out in the institution. NGPE is the only national level examination testing students in theory and as well as experiment. NGPE is conducted by **Indian Association of Physics Teachers (IAPT)** and includes the individual's assessment at India level. Dr. Neetu Verma, center incharge of national examinations in Physics Department of Kanya Maha Vidyalaya has been conducting this exam since 2007. Students of B.Sc. of Kanya Maha Vidyalaya, Jalandhar participated in **NATIONAL GRADUATE PHYSICS EXAMINATION** conducted on 22 January ,2023. They competed with the students from national reputed institutes like Mirinda House (Delhi), St. Stefan College (Delhi), BHU, Varanasi, Punjab University Chandigarh and various IIT's. Our student Lovepreet Kaur has qualified this national examination with above cut off merit **Principal Dr. (Mrs.) Atima Sharma** congratulated and blessed Lovepreet Kaur for her remarkable achievement.





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Indian Association of Physics Teachers

Registered under section XXI of Societies Registration Act 1860, Registration No K-1448
206, Adarsh Complex, Awas Vikas I, Keshavnagar, Kalyanpur, Kanpur - 208017

National Graduate Physics Examination - 2023

(B.Sc. Level)

Date: March 10, 2023

23004 at

Certificate is awarded to Mr/Ms **LOVEPREET KAUR**
Centre No. G-1422 of KANYA MAHA VIDYALAYA JALANDHAR, (Pb)

for having been placed among Centre Top 10% in part A of this examination out of 14 candidates enrolled at this centre. The examination was conducted on January 22, 2023 at 226 centres spread all over India with a total enrolment of 5724 candidates.

OK
M. S. S. S. S.

Prof. P. K. Ahluwalia
President IAPT

PK
Tyagi

Prof. B. P. Tyagi
Chief Coordinator (Examination)

Dr. Anil Kumar Singh

Dr. Anil Kumar Singh
Coordinator NGPE

IAPT EXAMINATION OFFICE: 018, Block-II, Reshima Road, DMS College Chowk, Dehradun - 249001, Ph: +91 9632221945, Email: iaptindia@gmail.com

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36. KMV's Physics Faculty Published Patent on Water Stagnate Ejector

Two Faculty members Dr. Neetu Verma and Dr. Surbhi Sharma of P.G. Department of Physics, Kanya Maha Vidyalaya, Jalandhar has published a patent on "System and method for automatically operating stagnate water ejector". We all are witness to Stagnated water on roads during the rainy season which can cause an outbreak of several diseases and often leads to accidents. Till date stagnated water is only disseminated through sewerage, fields etc. which is just a wastage of water. We have come up with a unique and practical solution to the problem.

To resolve existing problems in the society, faculty of P.G. Department of Physics, Kanya Maha Vidyalaya, Jalandhar have developed an automatic sensor system which will work on three different modes depending on the level of stagnated water. While explaining about the invention, the faculty said that "We have developed an automatic sensor system and three different devices which will start operating on different water levels. Sensor based indicators warn drivers about the depth of stagnated water which can further avoid accidents. Our Water Stagnated Ejector project not only removes water but also stores water for further use. It can help to eject water even at low heights. It is automatic so there is no need to put high manpower on clearing the water from roads."

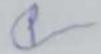
Principal Prof. (Dr.) Atima Sharma Dwivedi congratulated both the faculty members. She said that proposed idea is an effective remedy for the ejection of stagnated water and should be commercially available at institution, cities and inter-cities level.



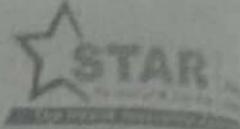
37. School Principal visited Innovation Hub

1. **Date of program:** March 20, 2023
2. **Title/Theme of the Program:** Visit of school principals to Innovation Hub.
3. **Program for the benefit of:** school teachers
4. **Objective:** To spread awareness about the concepts of physics using innovative methods.
5. **Total no. of participants:** 40
6. **Venue:** Innovation Hub ,Physics Department

KMV always works in the direction of education with a futuristic approach. In this regard KMV organised a workshop on NEP 2020 for the principals of various schools. During one of the sessions nearly 40 principals from different schools visited KMV's innovation Hub during this workshop. They were very impressed by the various practical demonstrations of Physics . They were also impressed by the fact that many elements of demonstrations were prepared by students. They felt motivated to bring their students to visit Innovation Hub in future.



19 Thursday
JANUARY



Name of school - GHS Fat Tapra
Bhagwanpur Jh

Ms Shivani

School head → 9814206760

Name of teacher → Mrs. Shivani
(8427500350)

feedback → Very impressive

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STAR

Date: 20/12/2018

Name of the school: G. S. S. Camp, Madhav

Name of the accompanying person: [unclear]

Roll No: 01012441201

Name of the person: [unclear]

Roll No: 1821454000

No. of students: [unclear]

Signature: [unclear]

✓

38. Physics KMV students participated and shined at Khalsa College: Science Day Celebrations

1. **Date of program:** 25 March , 2023

2. **Title/Theme of the Program:** Science Day Celebrations

3. **Program for the benefit of:** Students to develop creativity, visionary thinking and presentation skills among budding scientists.

4. **Objective:** To motivate students to enhance their competitive and presentational skills..

5. **Total no. of participants:** 6 students

6. **Venue of the program:** Lyallpur Khalsa college, Jalandhar

Kanya Maha Vidyalaya- the Heritage & Autonomous institution, Seat of Women Empowerment with Top National and State Rankings by India Today Survey of Best Colleges 2020 (various categories) & Outlook Magazine Ranking always work hard to enrich its students in academics as well as in their overall personality development. Under this umbrella students of Physics department participated in a science-oriented event organised by Lyallpur Khalsa college, Jalandhar to celebrate National Science Day. Various competitions were held under this event namely Quiz Competition, Rangoli Making, Poster Presentation, PowerPoint presentation and Debate competition. Students from different colleges participated in various competitions. Six students of our college participated in rangoli presentation, quiz competition and PowerPoint presentation. Quiz competition was based on basic science questions. The topics of rangoli were Digital India, Birth of Universe, Importance of Science Day in India etc. Students from different colleges participated in PowerPoint presentations and presented their ideas on various topics such as Climate Change, Importance of Ayurvedic Medicinal plants, Water Conservation etc. Navneet Kaur student of B.Sc. Non-Medical Sem 4 gave her presentation on topic - Digital India and won First Prize. All the participants were appreciated with participation certificates. Madam Principal appreciated the students for their excellent performance in various competitions and lauded the physics department for motivating students. She further stated that by participating in such events students gain confidence to showcase their talents and learn from other talented competitors of other institutes.

The Principal

Kanya Maha Vidyalaya

Jalandhar

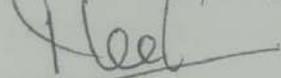
Subject: To seek permission to participate in National Science Day Celebrations to be organized by Lyallpur Khalsa College, Jalandhar on 25th of March 2023.

Respected Ma'am

It is to bring to your kind notice that Lyallpur Khalsa College, Jalandhar is going to organize National Science Day on 25th of March 2023. Our six Undergraduate students are willing to participate in various events in National Science Day Celebration. Kindly permit our students to participate .

Thanking you in anticipation.

Yours Sincerely

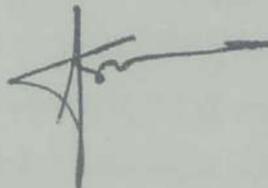


(Dr. Neetu Chopra)

Associate Professor (Physics)

Kanya Maha Vidyalaya, Jalandhar

22nd March 2023





The Heritage Institution
Estd. 1886

Phones : Principal Off. : 0181-2296605, 2296606
Fax : 0181-2291741
E-mail : kmvjalandhar@yahoo.com
kmvoffice1886@gmail.com
Vidyalaya Marg,
JALANDHAR-144 004.

KANYA MAHA VIDYALAYA (Autonomous)

Re-accredited 'A' by U.G.C.-NAAC
"College with Potential for Excellence" by UGC
Under Star College Scheme by DBT, Govt. of India

Ref. No. Kmv/ 2538

Date 23-3-2023

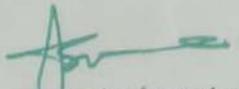
Authority Letter

To whom it may concern

Following six students of Kanya Maha Vidyalaya, Jalandhar along with one faculty member Dr. Sandeep Kaur from PG Department of Physics are going to participate in National Science Day Celebrations to be organized by Lyallpur Khalsa College, Jalandhar on 25th of March 2023.

List of participants as follows :

Sr. No.	Name of Student	Class	Roll No.	Participating Event
1.	Navneet	B.Sc (NM) Sem-IV	224801	Debate & Power Presentation
2.	Mansi	B.Sc (NM) Sem-IV	224813	Rangoli Making
3.	Rupinder Kaur	B.Sc (NM) Sem-IV	224803	Rangoli Making
4.	Ravinder Kaur	B.Sc (CSC) Sem-IV	224453	Quiz
5.	Lovepreet Kaur	B.Sc (CSC) Sem-IV	224451	Quiz
6.	Amisha Sharma	B.Sc (CSC) Sem-IV	224456	Quiz


Principal Principal
Kanya Maha Vidyalaya
Jalandhar Jalandhar



LYALLPUR KHALSA COLLEGE, JALANDHAR

National Science Day - 2023

Catalyzed and Supported by

NSCTC, DST, GOI & PSCST



Certified that Narmeet Kaur

of class B.Sc. (N.O.M) IVth Sem

of School/College Kanya Maha Vidyalaya college, Jalandhar

has participated / secured First position in Power Point Presentation

event during National Science Day-2023 organized by Lyallpur Khalsa College, Jalandhar on 28 March 2023

Shikha

Dr. Navneet Singh

CONVENTOR

Jasleen Kaur

Prof. Jasleen Kaur

Principal

P



LYALLPUR KHALSA COLLEGE, JALANDHAR

National Science Day - 2023

Catalyzed and Supported by

NSCTC, DST, GOI & PSCST



Certified that Mansi of class B.Sc. (N.M) Sem. IV
of School/College Kanya Maha Vidyalaya Talwandi
has participated / secured position in Kangoli
event during National Science Day-2023 organized by Lyallpur Khalsa College, Jalandhar on 25-03-2023

Dr. Manpreet Singh
CONVENT

Dr. Jaspreet Kaur
Principal



LYALLPUR KHALSA COLLEGE, JALANDHAR

National Science Day - 2023

Catalyzed and Supported by

NSCTC, DST, GOI & PSCST

GATEWAY OF MERIT

Certified that Rupinder Kaur of class Bsc. (N.M) Sem IV
of School/College Kanya Maha Vidyalaya, Talwandiwar
has participated / secured 1 position in Rangoli
event during National Science Day 2023 organized by Lyallpur Khalsa College, Jalandhar on 25-03-2023.

Arsh
Dr. Navneet Singh
Convener

Talwandiwar
Dr. Jyoti Kaur
Principal

Ar



LYALLPUR KHALSA COLLEGE, JALANDHAR

National Science Day - 2023
Catalyzed and Supported by
NSCTC, DST, GOI & PSCST

CERTIFICATE OF MERIT

Certified that Ravinder Kaur of class B.Sc. (C.S) Sem. IV
of Shaheed College Kangra Maha Vidyalaya, Jalandhar
has participated / secured position in Quiz
event during National Science Day 2023 organized by Lyallpur Khalsa College, Jalandhar on 25-03-2023.

Dr. Navneet Singh
CONVENTOR

Harveen Kaur
Principial



LYALLPUR KHALSA COLLEGE, JALANDHAR

National Science Day - 2023

Catalyzed and Supported by
NSCTC, DST, GOI & PSCST



Certified that Lovepreet Kaur of class B.Sc. (C.S) Sem IV
of School/College Kanya Maha Vidyalyaya
has participated / secured position in Quiz
event during National Science Day-2023 organized by Lyallpur Khalsa College Jalandhar 25-03-2023

Amr
Dr. Manpreet Singh
CONVENOR

Dr. Manpreet Singh
25/03/2023



LYALLPUR KHALSA COLLEGE, JALANDHAR

National Science Day - 2023

Catalyzed and Supported by
NSCTC, DST, GOI & PSCST

CERTIFICATE OF MERIT

Certified that Amisha Sharmma of class B.Sc. (C.S) Sem. IV

of school/college Kanya Maha Vidyalyaya position in.....

has participated / secured..... position in..... Quiz.....

event during National Science Day 2023 organized by Lyallpur Khalsa College, Jalandhar on 25-03-2023

Amish

Dr. Navneet Singh
Coordinator

Jasvinder
Raj Jasson Kaur
Principal

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Attendance cum feedback form
Science Day Celebration at Khalsa College

Dated: March 25, 2023

Name of Student	Class	Roll no.	Feedback	Signature
Navneet Kaur	B.Sc Non Medical Sem-4	224801	Good	Navneet Kaur
Rupinder Kaur	BSC Non medical 4th	224803	Good .	Rupinder
Mansi	BSc non-medical (IV)	224813	Good	Mansi
Ravinder Kaur	Bsc. Computer science (sem-IV)	224453	Good	Ravinder
Amisha Sharma	BSc (Comp. Science) Sem-IV	224456	great experience!	Amisha Sharma
Lovepreet Kaur	BSc Computer science sem IV	224451	Good	Lovepreet Kaur

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40. Parent Teacher Meeting

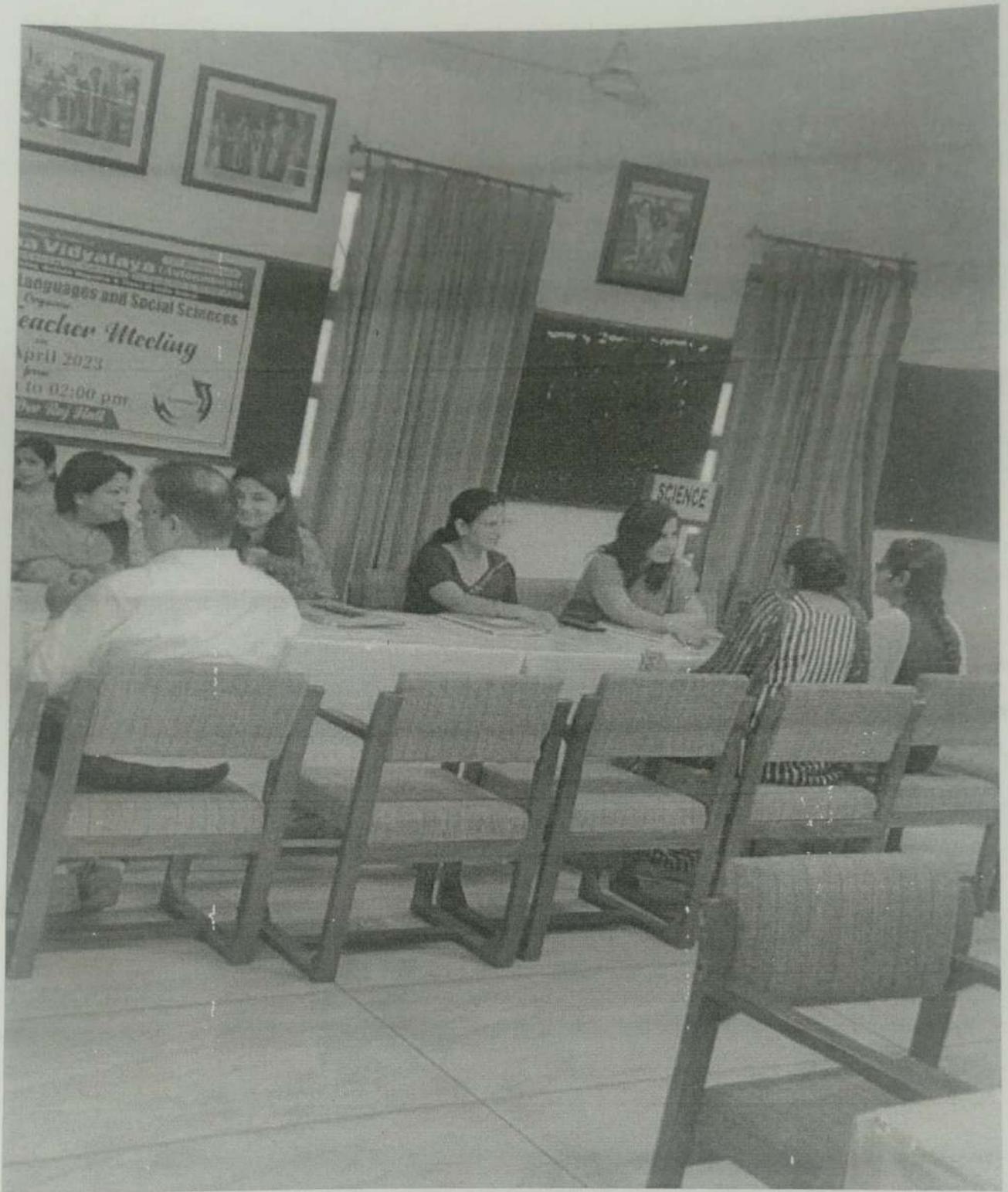
1. **Date of program:** 8th April, 2023
2. **Title/Theme of the Program:** Parent Teacher Meeting
3. **Program for the benefit of:** Students and parents
4. **Objective:** To facilitate communication, understanding, collaboration, relationship building, parental involvement, and student motivation
5. **Total no. of participants:** 40
6. **Venue:** Devraj Hall

KMV believes that parent-teacher meetings are significant because they facilitate communication, understanding, collaboration, relationship building, parental involvement, and student motivation. These meetings create a strong partnership between parents and teachers, ensuring that the child receives the necessary support and guidance for their academic and personal growth. Under the same umbrella Kanya Maha Vidyalaya organized a parent teacher meeting to provide a valuable platform for parents and teachers to come together, exchange information, and collaborate for the well-being and progress of the child.

The Heritage Institution
Kanya Maha Vidyalaya (Autonomous)
137 Glorious Years
College with Potential for Excellence by UGC | CURIE grant by DST- Govt. of India | Star College Status by DST, Govt. of India
Top National Rankings (India Today, Outlook Magazine & Times of India Group)

Faculty of Humanities, Languages and Social Sciences
Organises
Parent - Teacher Meeting
on
8th April 2023
from
11:00 am to 02:00 pm
Venue : *Hull of Fame*

Parent Teacher Student Connect



[Handwritten mark]

41. Magnum Opus

<https://www.facebook.com/groups/529405914078969/permalink/1944511022568444/?mibextid=Nif5oz>

1. **Date of program:** 12 April, 2023
2. **Title/Theme of the Program:** Magnum Opus
3. **Program for the benefit of:** Students to explore and enhance their writing and narrating skills.
4. **Objective:** To make the students confident and better orators.
5. **Total no. of participants:** 110 (including 11 teachers)
6. **Venue:** Conference Hall ,KMV College

Kanya Maha Vidyalaya- the Heritage & Autonomous institution, Seat of Women Empowerment with Top National and State Rankings by India Today Survey of Best Colleges 2020 (various categories) & Outlook Magazine Ranking-always work hard to enrich its students in academics as well as in their literary skills. In a new initiative, the PG Department of Physics in association with the Student welfare department organized an event called MAGNUM OPUS. The objective of the competition was to make the student confident and better orators so that they can express their views on any topic. The student coordinators of the event were Haramanpreet Kaur and Navneet Kaur. Various competitions were organised under the event named as Storytelling & writing, Self-composed Poem Recitation and Extempore. Students of different streams had participated in the competitions. For story writing students were given the opening line of the story "Closer and closer it came, it was getting bigger and bigger, soon it filled the sky above" and were asked to write their stories around it. First position was bagged by Anshuman Saluja of M.Sc Physics sem-4 who did magic with her magnificent performance. Her story 'A Jar of Cookies' was about a person who was autistic and stuck at the age of 5, who couldn't cope with the death of his mother and hallucinated about her presence even after her death. The story had great word selection and intelligent use of metaphors. Second position was jointly bagged by Manmeet Kaur of B.com (Hons) Sem-2 (My Worst Nightmare) and Lavleen Saini of M.Sc Physics Sem-2 .Her story 'Arrival' was a fantasy story that taught us to be selfless and help the needy people. It taught us that kindness always pays off. Third position was bagged by Nandini Sharma of B.Sc FD Sem-2 who composed her story



'Vocations in the African forest'. For the poem recitation competition students came up with their self-composed poems and recited them with great fondness. First position in poem recitation was bagged by Beenu Kumari of B.Sc (NM), her poem 'Pardesiya Di Zindagi' was about the life of a person who left his family and country in order to complete the dreams of their families. Second position was bagged by Komal Sharma of B.Sc Medical sem-4, her sweet voice and gestures make her poem 'ਮੈਂ ਪਰੀਆਂ ਦੀ ਜਾਈ ਆ' extraordinary; jointly with Arti of B.Com Hons Sem -4 (One Sided Love) whereas third position was bagged by Malika Ratti of B.Voc Artificial Intelligence and data Science Sem-4 (The God) jointly with Shukmanpreet Kaur of B.Com (Hons) Sem-4; who explained the beauty of Punjab in her poem 'Mera Punjab'. For the third competition named Extempore students were asked to speak on different topics such as Importance of communication skills, How far social media affect our life?, If you are given the opportunity to be the prime minister of India for one day, what will you do? Artificial intelligence - boon or Bane? How far technology affects jobs?, All that glitters is not gold, A change you would like to bring in India. All the students expressed their views on their chosen topics and judges had a difficult time choosing the winners. First prize was given to Komal Sharma B.Sc Medical Sem-4; spoke on the topic 'All glitters is not a Gold', she pointed out that Abroad looks like glitters but discrimination and struggle is not gold. Second prize in Extempore was given to Manveen Kaur of B.Sc Medical Sem -4, who confidently spoke about the topic-'what you will do if you become prime minister for one day' & third position was bagged by Sandeep Kaur of M.Sc Physics Sem-2, enlightened role of technologies in Artificial Intelligence.

Through this event participants got a platform to enhance their writing and speaking skills along with their studies, which is very important for today's young generation. There was a large gathering of Audience from different departments. Madam Principal congratulated the students and said that literature and creativity make the personality of a person more attractive. She also motivated the students to keep on participating in such events. She lauded the efforts of the PG Department of Physics for organising the celebrations and encouraging the students to pursue writing skills.



RESULT
'MAGNUM OPUS' - 2023

Sr. No.	Event	1 st	2 nd	3 rd	Signature Judge 1	Signature Judge 2
1.	Poem Recitation	P01- Beenu Kumari (B.Sc. Non-Med Sem-6) Roll no. 224801 Topic- 'Pardesiya di Zindagi'	P03- Komal Sharma (B.Sc. Med Sem-4) Roll no. 224609 Topic- 'Pariya di jayi' P05- Arti (B.Com Hons. Sem-4) Roll no. 221699 Topic- 'One sided love'	P04- Mallika Rati (B.Voc. Artificial Intelligence & data science Sem-4) Roll no. 226252 Topic- 'The God' P08- Sukhmanpreet Kaur (B.Com Hons. Sem-4) Roll no. 221668 Topic- 'Mera Punjab'	HLSK	Saloni Puro
2.	Extempore	E05- Komal Sharma (B.Sc. Med Sem-4) Roll no. 224609 Topic- 'All that Glitters is not gold'	E04- Manveen Kaur (B.Sc. Med Sem-4) Roll no. 224605 Topic- 'What will you do if you become Prime Minister for one Day'	E03- Sandeep Kaur (M.Sc. Physics Sem-2) Roll no. 225113 Topic- 'How far technology affect jobs?'	Soni	Hanujit
3.	Story Writing & Telling	S13- Anshuman Saluja (M.Sc. Physics Sem-4) Roll no. 225128 Topic- 'A Jar of cookies'	S12- Lavleen Saini (M.Sc. Physics S-2) Roll no.-225110 Topic- 'Arrival' S02- Manmeet Kaur (B.Com. Hons Sem-2) Roll no. 221574 Topic- 'My Worst Nightmare'	S06- Nandini Sharma (B.Sc. FD Sem-2) Roll No. 223020 Topic- 'Vocations in African forest'		

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MAGNUM OPUS

(ATTENDANCE CUM FEEDBACK SHEET)-12 April 2023

Sr. no	Name	Class	Roll no.	How do you like the event?	Any suggestions	Signatures
1.	Ruksana	B.S.C. Med (II)	224517	Very good	Continue these programs	Ruksana
2.	Anamika	B.S.C. Med (II)	224510	Excellent	organize these kind of events again	Anamika
3.	Astha	B.Sc. Med Sem (II)	224516	good	organize these kind of events	Astha
4.	Simran	B.S.C. (C.S.) Sem IV	224452	Excellent	organize these kind of events in every sem	Simran
5.	Sakshi	BSc CS Sem IV	224454	very good.	organize these type of events in every sem	Sakshi
6.	Amisha Sharma	BSc (CSc) Sem - IV	224456	It was great	Such events should be organised frequently	Amisha Sharma
6.	Ravinder Kaur	BSc (CSc) Sem - IV	224453	Good.	NO	Ravinder Kaur
7.	Tania Noojil	BSc (CVM) Sem - IV	224411	Good	NO	Tania Noojil
8.	Tanisha	BSc (NM) Sem - IV	224815	It was great	NO	Tanisha
9.	Simranjit Kaur	B.Sc (NM) Sem IV	224812	Good.	NO	Simranjit Kaur
10.	Rupinder Kaur	BSc (NM) Sem IV	224803	Very good	NO	Rupinder Kaur
11.	Anamika	BSc (CSc) II	224404	Very good	NO	Anamika
12.	Palak	BSc (CSc) II	224407	Good	NO	Palak
13.	Harpreet	BSc (CSc) II	224406	Good	NO	Harpreet

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MAGNUM OPUS

(ATTENDANCE CUM FEEDBACK SHEET)-12 April 2023

Sr. no	Name	Class	Roll no.	How do you like the event?	Any suggestions	Signatures
1.	Himani	B.VOC (MSP) II	226701	good	NO	<u>Himani</u>
2.	Gurleen kaur	B.VOC (MSP) II	226716	good	NO	<u>Gurleen</u>
3.	Simran kaur	B.VOC (MSP) II	226708	good	NO	<u>Simran</u>
4.	Jasmeen kaur	B.VOC (MSP) II	226712	outstanding	NO	<u>Jasmeen</u>
5.	Manpreet kaur	BSc (Med) Sem IV	224607	Good	NO	<u>Manpreet kaur</u>
6.	Surbhi Gautam	BSc (Med) Sem IV	224611	Good	NO	<u>Surbhi Gautam</u>
7.	Ajali	BSc Med sem IV	224604	good	NO	<u>Ajali</u>
8.	Janisha	BSc med sem IV	224612	good	NO	<u>Janisha</u>
9.	Sneha sharma	BSc med sem IV	224612	good	NO	<u>Sneha sharma</u>
10.	Aarti	B.VOC (MSP) II	226702	good	NO	<u>Aarti</u>
11.	Nitika	B.VOC (MSP) II	226724	good	NO	<u>Nitika</u>
12.	Mandeep kaur	B.VOC (MSP) II	226709	good	NO	<u>Mandeep</u>
13.	Kuljit kaur	B.VOC (MSP) II	226710	good	NO	<u>Kuljit</u>
14.	Rajvika kaur	B.VOC (MSP) II	226703	Good	NO	<u>Rajvika</u>
15.	Amanjot	B.VOC (MSP) II	226707	Good	NO	<u>Amanjot</u>
16.	Navpreet kaur	B.VOC (MSP) II	226705	Good	NO	<u>Navpreet</u>

MAGNUM OPUS

(ATTENDANCE CUM FEEDBACK SHEET)-12 April 2023

Sr. no	Name	Class	Roll no.	How do you like the event?	Any suggestions	Signatures
1	Hasmangpreet Kaur	B.Sc (Non Med) II	224707	Great	No	Hasmangpreet Kaur
2	Smriti	B.Sc (Non-Med) II	224708	Excellent	No	Smriti
3	Jasmeen Kaur	B.Sc. (NonMed) II	224711	Interesting	No	Jasmeen Kaur
4	Jashanpreet Kaur	B.Sc (Non-med) II	224703	V. Good	No	Jashanpreet Kaur
5	Rushi Chaharoyal	B.Sc (HONS) PHYSICS - VI	224252	Excellent	NO	Rushi
6	Anupreet Kaur	B.Sc (Med) II	224501	Outstanding	NO	Anupreet Kaur
7	Amanpreet Kaur	B.Sc Med (Sem-II)	224506	Marvelous	No	Amanpreet Kaur
8	Jasmeen Kaur	B.Sci Med Sem - II	224503	Fantastic	No	Jasmeen Kaur
9	Nitika	BSC NM (Sem 6)	224861	Good	NO	Nitika
10	Simran Sharma	Bsc Nm (Sem 6)	224864	Good	—	Simran
11	Meenu Ranil	BSC nm (Sem 6)	224852	Excellent	no	Meenu Ranil
12	Kajal Gaudhary	BSc N Med Sem 6	224865	Great	No	Kajal
13	Aditi Pathania	BSC (N.M.) Sem 6	224851	Good	No	Aditi
14	Ananya	BSC NM Sem - VI th	224853	Good	No	Ananya

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42. Captivating Science Learning through Innovative Physics Experiments (Social Outreach)

<https://youtu.be/0r1dKQvIsCQ>

https://www.instagram.com/p/CsqSLAFu59K/?utm_source=ig_web_copy_link&igshid=MrnJiY2I4ND BkZg==

1. **Date of program:** 18 April, 2023
2. **Title/Theme of the Program:** Captivating Science Learning through Innovative Physics Experiments
3. **Program for the benefit of:** Students to boost the creative thinking of our budding innovators and at the same time making physics interesting for the students.
4. **Objective:** To develop the scientific temperament of young students.
5. **Total no. of participants:** 13 (including 2 teachers)
6. **Venue:** Government Girls Senior Secondary School, Bhogpur

Kanya Maha Vidyalaya, Jalandhar an Autonomous and Heritage institution has always stressed upon innovations in science education for enabling smart and inclusive growth of students. P.G. Department of Physics, Kanya Maha Vidyalaya, Jalandhar is constantly working in the direction of imparting science education through innovative teaching methodologies. Recently, A team of 11 students along with two faculty members of P.G Department of Physics, Kanya Maha Vidyalaya, Jalandhar visited Government Girls Senior Secondary School, Bhogpur under social outreach programme on April 18, 2023. Students of KMV have developed some unique and innovative prototypes to make scientific fundamentals easy to understand. They worked on a project titled "Captivating Science Learning through Innovative Physics Experiments" in which they demonstrated some unique and innovative experiments to science students along with their faculty members. The idea behind organizing this activity was to boost the creative minds of our budding innovators and at the same time making physics interesting for the students. Various physics experiments demonstrating the Newton's laws, conservation laws, reflection and refraction of light, generation of different modes of vibrations of a stationary wave, charging and discharging of bodies, effect of fictitious forces etc., were performed with students to make it easier for them to understand the concepts in a practical way. Motive of organizing this session was to develop the scientific temperament of young students. Students got encouraged by the work of their seniors and were so enthusiastic. The event helped budding school level

innovators to think logically and to develop a few more prototypes. Atima Sharma Dwivedi applauded efforts of P.G. Department of Physics. "Engaging students in science content requires educators to help students see themselves as scientists and engineers instead of passively observing other people doing the work of science," she said.



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The Heritage Institution
Est'd. 1886

ANYA MAHA VIDYALAYA (Autonomous)

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Fax: 91-11-23017641

Website: www.anyamahavidyalaya.com

anyamahavidyalaya@gmail.com

Vidyalaya Marg,
JALANDHAR - 150001

Ref. No. PA/2023/113

Date 14/04/2023

AUTHORITY LETTER

This is to certify that the following students are participating in social outreach programme on 18-04-2023 at Govt. Kanya sr. sec. school, Bhogpur, Jalandhar.

Sr. No.	Name	Roll No.	Class	Day Scholar/Hosteler
1.	Khushi	224226	B.Sc. Hons. Physics Sem IV	Day Scholar
2.	Raminder Kaur	224227	B.Sc. Hons. Physics Sem IV	Day Scholar
3.	Amanpreet Kaur	224228	B.Sc. Hons. Physics Sem IV	Hosteler
4.	Marjusha	224229	B.Sc. Hons. Physics Sem IV	Hosteler
5.	Manpreet Kaur	224230	B.Sc. Hons. Physics Sem IV	Day Scholar
6.	Harpreet Kaur	224231	B.Sc. Hons. Physics Sem IV	Day Scholar
7.	Lovepreet	224451	B.Sc. C.Se. Sem IV	Day Scholar
8.	Sunran	224452	B.Sc. C. Se. Sem IV	Day Scholar
9.	Ravinder	224453	B.Sc. C. Se. Sem IV	Day Scholar
10.	Sakshi	224454	B.Sc. C. Se. Sem IV	Hosteler
11.	Amisha	224456	B.Sc. C. Se. Sem IV	Day Scholar

Dr. Neetu Chopra, Associate Professor in Physics and Dr. Harjeet Singh, Assistant Professor in Physics will accompany the students.

(Signature)
PRINCIPAL

(Handwritten mark)

KMV Social Outreach Program

Semester IV

Session 2022-2023

Name of student: Khushi

Class: BSc Physics (Hons.) Sem-IV

Roll no: 224226

Contact No: 9779691886

1. Name of project: (Vortex formation in a vessel)
Captivating science learning through innovative experiments
2. Area where project was conducted: Government Girls H. Sec
School, Bhogpur
3. No. of Beneficiaries: 50 students

4. People involved: 11 students and 2 Faculty members

5. Documentary Proof:

<https://youtube.com/shorts/Fp9a02YAjwI>

<https://youtube.com/shorts/Fsa009La0Sw?feature=share>

6. Verified By:

for
teacher

Practical
Teacher

44. Mentoring program to explore Innovative Experiments

(ARYA Model School)

1. Date of program: April 21, 2023
2. Title/Theme of the Program: "Captivating Learning through Innovative Experiments"
3. Program for the benefit of: Students to give exposure of science equipments and high tech apparatuses
4. Objective: To promote zeal of scientific and capacitive learning among students of different institutes.
5. Total no. of participants: 20
6. Venue: Innovation lab, Kanya Maha Vidyalaya, Jalandhar

To promote scientific innovations among school students, P.G Department of Physics, Kanya Maha Vidyalaya, Jalandhar an autonomous and heritage institution has organized a workshop titled "Captivating Learning through Innovative Experiments" in which KMViets demonstrated some unique and innovative experiments to school students. Idea behind organizing this activity was to boost the creative minds of our budding innovators and at the same time making learning of Physics interesting for school students. Under the same umbrella Arya Model Senior Secondary School, Kartarpur visited Innovation lab of Kanya Maha Vidyalaya, Jalandhar. Students learnt various novel experiments like Newton Cradle, Air Canon, Lorentz Oscillator, Motion in inclined plane, energy transfer in spring etc., were exhibited to the students to make it easier for them to understand the concepts in a practical way. KMViets explained the concept of conservation of energy and momentum, Moment of Inertia, Doppler's Effect, types of waves, propagation of waves in a medium, Coupled pendulums with variable lengths etc. Students have devised Newton's cradle, Air canon, Looping the loop etc. to make fundamentals easier to understand. In the program KMViets acted as mentors for their junior school students. The event has helped budding school level innovators to think logically and to develop few more prototypes. Students were encouraged to investigate new facts about each instrument and were advised to plan different experiments and activities related to apparatuses. Idea behind organizing this session was to develop momentum in the minds of young students. Students were given the liberty to explore concepts related to different setups in innovation hub. This event proved effective to spread science education at school level. Exposure of science equipment's and high tech apparatuses was given those were earlier inaccessible to school students. Students got encouraged by the work of their seniors and showed willingness to take initiatives for more creative projects and experiments. Principal Dr. (Prof.) Atima Sharma Dwivedi cheered up the students and encouraged to organize such events in future to benefit other students.



ARYA Model Sen Sec School Kartarpur

Date: April 21, 2023

Name of Student	Class	Contact No	Feedback	Signature
Tanisha	10 th	9598716694	Very good	Tanisha
Anjali	10 th	8146319888	Amazing	Anjali
Sarmani	10 th	9915757895	Very good	Sarmani
Simran	10 th	9156650209	Very good	Simran

P

ARYA Model Sen Sec School Kartarpur

Dated: April 21, 2023

Name of Student	Class	Contact No	Feedback	Signature
Suman	10 th	9915861161	Amazing	Suman
Dushty Kaur	10 th	7009085924	Very Good	Dushty Kaur
Bhuvika	10 th	7527897090	Amazing	Bhuvika
Manika	10 th	9040088175	Very Good	Manika
Leetika Kaur	10 th	9878783305	Excellent	Leetika
Vanshika	10 th	9592909851	Understanding	Vanshika

ARYA Model Sen Sec School Kartarpur

Dated: April 21, 2023

Name of Student	Class	Contact No	Feedback	Signature
Kritika	10 th	9872702942	It was good	Kritika
Disha	10 th	7973575131	It was knowledgeable	Disha

45. National Copyright Day

https://m.facebook.com/story.php?story_fbid=pfbid05fZ6EPqerrmQMwxgB5o2C5sR5yMqDApDwtKz5r efzJbDj715v2TyZL7ADN3CSE5l&id=100072090093200&mibextid=Nif5oz

1. Date of program: 23 April, 2023
2. Title/Theme of the Program: National Copyright Day 2023
3. Program for the benefit of: To acknowledge contribution of students and faculty for getting maximum copyrights granted by Government of India
4. Objective: to promote reading books, particularly among the younger generation
5. Total no. of participants: 15

Kanya Maha Vidyalaya, Jalandhar The heritage and autonomous institution has celebrated World Copyright day on April 23, 2022. World copyright day was dedicated to promoting the benefits of reading, writing, translating, publishing, and protecting copyrights. Kanya Maha Vidyalaya Jalandhar is the only institution with maximum number of copyrights granted in the region. 2 faculty members of P.G. Department of Physics namely, Dr. Neetu Verma, Dr. Surbhi has recently published a patent on "System and method for automatically operating stagnate water ejector". While explaining about the invention, the faculty said that "We have developed an automatic sensor system and three different devices which will start operating on different water levels. Sensor based indicators warn drivers about the depth of stagnated water which can further avoid accidents. Our Water Stagnated Ejector project not only removes water but also stores water for further use. It can help to eject water even at low heights. It is automatic so there is no need to put high manpower on clearing the water from roads."

Principal Prof. (Dr.) Atima Sharma Dwivedi congratulated both the faculty members. She said that proposed idea is an effective remedy for the ejection of stagnated water and should be commercially available at institution, cities and inter-cities level. Further she applauded efforts all the faculty members for getting copyrights under their name.





**Kanya Maha Vidyalaya
-Autonomous-The Heritage
Institution**

30 Apr · 🌐

KMV celebrates World Copyright Day with maximum grant of Copyrights by Government of India in the region #KMV #TopRankings #starcollege #Bestprogressiveeducation #upgradedsyllabi #individualcare #Heritagecollege #internationalCollaborations #bestcollege Ministry of Education



8

**46. Faculty attended Two Day Interdisciplinary International Conference on
“Re-imagining Sciences in the Wake of NEP 2020: Research, Dissemination
and Skill Development (IICRSN)**

1. Date of program: 29-30 April, 2023

2. Title/Theme of the Program: Two Day Interdisciplinary International Conference on “Re-imagining Sciences in the Wake of NEP 2020: Research, Dissemination and Skill Development (IICRSN)”

3. Program for the benefit of: To boost vocational education, and capacity development of teachers

4. Objective: Understood the process of selection and recruitment of teachers, the selection of students, the course delivery, assessment and awarding qualifications to students.

5. Total no. of participants: 2

The National Education Policy 2020 has given due importance to vocational education, and capacity development of teachers to boost the employability skills and vocational skills of the learners at all levels. Quality of VET is to be enhanced by identifying, designing and development of vocational courses that meet the common norms and skills standards identified at the national level. Accreditation of vocational courses and registration of providers would also enhance the quality and sustainability of the VET programmes. To understand the process of selection and recruitment of teachers, the selection of students, the course delivery, assessment and awarding qualifications to students for the implementation of NEP 2020 at institute level, 2 faculty members Dr. Neetu Verma, Dr. Surbhi Sharma has attended Two Day Interdisciplinary International Conference on “Re-imagining Sciences in the Wake of NEP 2020: Research, Dissemination and Skill Development (IICRSN) organized by Bhiwapur Mahavidyalaya, Bhiwapur, K.D.K. College of Engineering, Nagpur, Jeevan Vikas Mahavidyalaya, Devgram Saibaba Arts and Science College, Parseoni from April 29-30, 2023. Principal Prof. (Dr.) Atima Sharma Dwivedi has always encouraged faculty members to actively participate in such informative conferences/seminars to acquaint themselves with new policies of NEP 2020 .





Bhiwapur Mahavidyalaya, Bhiwapur
K.D.K. College of Engineering, Nagpur
Jeevan Vikas Mahavidyalaya, Devgram
Saibaba Arts and Science College, Parseoni

CERTIFICATE

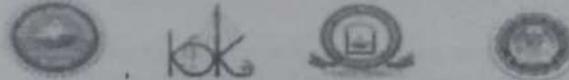
This is to certify that *Surbhi Sharma* of *Kanya Maha Vidyalaya, Jalandhar* has participated in Two Day Interdisciplinary International Conference on "Re-imagining Sciences in the Wake of NEP 2020: Research, Dissemination and Skill Development (HCRSN) organized by the collaborating Institutions on 29th and 30th April, 2023..

Dr. Jobi George
Principal
Bhiwapur
Mahavidyalaya, Bhiwapur

Dr. D. P. Singh
Principal
K.D.K. College of
Engineering, Nagpur

Dr. Devendra Bhongade
Principal,
Jeevan Vikas
Mahavidyalaya, Devgram

Dr. Augustine George
Principal,
Saibaba Arts and Science
College, Parseoni



Bhiwapur Mahavidyalaya, Bhiwapur
K.D.K. College of Engineering, Nagpur
Jeevan Vikas Mahavidyalaya, Devgram
Saibaba Arts and Science College, Parseoni

CERTIFICATE

This is to certify that *Dr Neetu Verma* of *Kanya Maha Vidyalaya Jalandhar* has participated in Two Day Interdisciplinary International Conference on "Re-imagining Sciences in the Wake of NEP 2020: Research, Dissemination and Skill Development (HCRSN) organized by the collaborating Institutions on 29th and 30th April, 2023..

Dr. Jobi George
Principal
Bhiwapur
Mahavidyalaya, Bhiwapur

Dr. D. P. Singh
Principal
K.D.K. College of
Engineering, Nagpur

Dr. Devendra Bhongade
Principal,
Jeevan Vikas
Mahavidyalaya, Devgram

Dr. Augustine George
Principal,
Saibaba Arts and Science
College, Parseoni

B

47. ATL-IIC Linkage Programme: An Orientation-cum-Mentoring Session

May 4, 2023

1. **Date of program:** 4 May, 2023
2. **Title/Theme of the Program:** ATL-IIC Linkage Programme: An Orientation-cum-Mentoring Session
3. **Program for the benefit of:** Students to Understand the concept of curiosity, creativity and imagination in young minds.
4. **Objective:** To make participants understand the process of innovation development in science and how they can convert their idea into a successful start-up.
5. **Total no. of participants:** More than 100 students and faculty
6. **Venue:** Kendriya Vidyalaya No. 03 Jalandhar Cantt.

OBJECTIVE: To make participants understand the process of innovation development in science and how they can convert their idea into a successful start-up.

BENEFITS OF LEARNING: The participants were able to:

- Understand the concept of curiosity, creativity and imagination in young minds.
- To inculcate skills such as design mind-set, computational thinking, adaptive learning, physical computing, rapid calculations, measurements etc.
- Understand vital steps required through the journey from idea generation in science to well marketed start-up.
- Learn the concept of Opportunity evaluation in science and commercialization of product.

Kanya Maha Vidyalaya Jalandhar, a pioneer institute is uplifting academic standards towards excellence by developing and promoting new age innovative programmes. KMV is selected among the few institutions all over the country for establishing Institution's Innovation Council (IIC) as per the norms of the MHRD Innovation Cell (MIC) of Ministry of Human Resource Development, Government of India. On the occasion of Dr. BR Ambedkar Jayanti, Atal Innovation Mission,

NITI Aayog and All India Council for Technical Education (AICTE), Ministry of Education's Innovation Cell announced their strategic collaboration to empower Atal Tinkering Lab school students for world class future ready innovation skills across the country. KMV was selected as a mentor institute as a part of mentor-mentee programme of MOE's innovation cell (Govt. of India) for Atal Innovation Mission (AIM), a flagship initiative of NITI Aayog, to promote a culture of innovation and entrepreneurship in the country.

Under this mission KMV-IIC selected Kendriya Vidyalaya 01, 02, 03 as Mentee schools. Coordinators and Co-coordinators of ATL-IIC Linkage programme visited the mentee schools on May 4, 2023 and conducted orientation cum mentoring sessions for the students. The coordinators explained Design thinking, critical thinking and Innovation in design. The speaker also explained the various innovative activities and achievements of KMV. The coordinator also highlights the changes brought up by adoption of ISP at KMV. The speaker also explained about objectives of the Student club- Womentum for Innovation and Entrepreneurship Ecosystem. The mentoring session was concluded by saying Innovation and entrepreneurship is the demand of the hour. The president Dr Rashmi Sharma and Vice president Dr Neetu Verma appreciated the efforts of Coordinators.



MoE's
INNOVATION CELL
(GOVERNMENT OF INDIA)



INSTITUTION'S
INNOVATION
COUNCIL



The Heritage Institution
Kanya Maha Vidyalaya (Autonomous)

College with Potential for Excellence by UGC, Star College Status by DBT Govt. of India
Ranked No. 1 College of Punjab and Top National Rankings (India Today & Times Group Survey)

(A Designated Mentor Institution by MoE's Innovation Cell)

organises

An Orientation-cum-Mentoring Session

for

Kendriya Vidyalaya No. 1, Jalandhar Cantt.
Kendriya Vidyalaya No. 2, Jalandhar Cantt.
Kendriya Vidyalaya No. 3, Jalandhar Cantt.

under

ATL-IIC Linkage Programme

Date: 4th May, 2023

Time: 11:30 a.m.



P

48. National Technology Day 2023

<https://www.facebook.com/100072090093200/posts/pfbid02y5KKUcU6hk5NqETgMnMih7eutkUZhrJ2BszGc4KPTLXmfHFfn61HmMZyRekfkKN7I/?mibextid=Nif5oz>

<https://www.instagram.com/p/CsVaakxIjIN/?igshid=MzRIODBiNWFIZA==>

https://m.facebook.com/story.php?story_fbid=pfbid0ckHgEUJ6LVa2Z9XBS9cQt5cTT8V3KxzPXJ9ndo8BoYh3QFWU7DqenkTtqV8RmYPdl&id=100064024812565&mibextid=Nif5oz

1. **Date of program:** 11 May, 2023
2. **Title/Theme of the Program:** National Technology Day 2023
3. **Program for the benefit of:** To acknowledge contribution of scientists and researchers towards our country
4. **Objective:** To boost the innovation culture among budding innovators
5. **Total no. of participants:** 80

Kanya Maha Vidyalaya, Jalandhar an Autonomous and Heritage institution has always stressed upon innovations in science education for enabling smart and inclusive growth of students. P.G. Department of Physics, Kanya Maha Vidyalaya, Jalandhar is constantly working to boost innovation culture among budding innovators. To acknowledge the contribution of scientists and researchers towards our country, P.G. Department of Physics in collaboration with KMV IIC celebrated National Technology Day 2023 on May 11, 2023. This day holds great cultural and historical importance, underscoring India's dedication to innovation and its quest for technological progress. This year's theme is 'School to Startups- Igniting Young Minds to Innovate'.

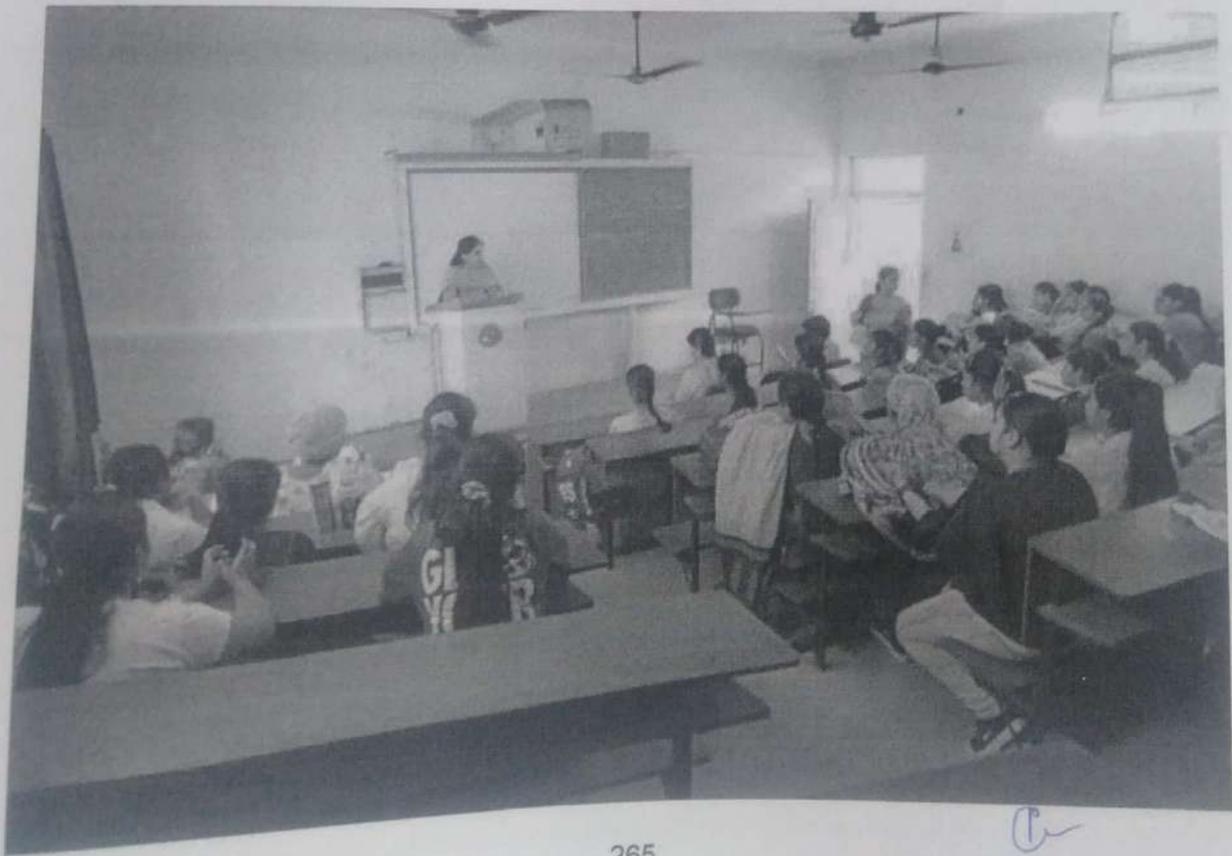
Dr. Neetu Verma, Vice President KMV IIC, holded a mentoring session to elaborate the significance of technology in promoting innovation, research, and progress. Technology has helped science to discover new information that would have never been possible. In this context she acknowledged the contributions of engineers, scientists, researchers, and innovators, who have achieved significant breakthroughs in many fields. She apprised students with the fact that in 1998, India made history by conducting a successful nuclear test at Pokhran under the leadership of Shri Atal Bihari Vajpayee, former prime minister of India. National Technology Day is celebrated in India on May 11th every year to commemorate the successful Pokhran nuclear tests conducted in

1998. She further added that the primary objective of National Technology Day is to promote scientific temper and inspire the younger generation to pursue careers in STEM (science, technology, engineering, and mathematics) fields. It serves as an occasion to raise awareness about the importance of technology in addressing societal challenges and fostering economic growth.

Further she motivated students towards scientific innovations. She explained the concept of frugal innovations which is also named as Jugaad in the local language. Dr. Verma further elaborated the concept by giving numerous examples of innovations like the Mitticool fridge which can cool food items without even using electricity.

Further to develop momentum in the minds of young students INNOVATION HUB of P.G. Department of Physics Department was explored by students. Innovation hub is a very essential part of a Quality Education, where visitors can get a feel of how the great scientific innovations might have evolved through small efforts of the beginner. In order to enhance the creativity and skill in Education of Basic Physics, some experiments like circular pendulum, anharmonic oscillator, Transmission line, Black hole, Air cannon, Doppler Effect, rotational Motion, Motion in inclined plane, energy transfer in spring etc, were demonstrated to make it easier for the students to understand the concepts of Physics in a practical way.

Principal Prof. (Dr.) Atima Sharma Dwivedi applauded efforts of KMMVIIC and Physics department for organising such innovative events for students. She said that need is perhaps the mother of innovations. "Innovation is the cornerstone of sustained economic growth and prosperity" she further added. She congratulated every Indian on National Technology Day 2023.



C

Attendance cum feedback form

National Technology Day, 2023

Dated: May 11, 2023

Name of Student	Class	Roll no.	Feedback	Suggestion of any
Pallavi	+1 Med	231327	It was good. We learn many things on this day.	
Harpreet	+1 Medical	231310	It was very good. I am learn many things.	
Muskanjit Kaur	+1 Medical	231320	It was quite good. I enjoyed and learned things.	
Rishika Mehta	+1 Med	231318	It was good. I enjoyed all things.	
Disha	+1 medical	231334	I enjoyed their things. It was very good.	
Harleen Kaur	+1 Medical	231339	Our teacher teach us very educational interesting things we learnt very much about physics and it was very helpful.	
Baldeep Kaur	+1 Medical	231302	we enjoyed experiencing new physics experiments.	
Gurjinder Kaur	+1 Medical	231306	We enjoyed this session and happy to learn new things.	
Delpreet Kaur	+1 Non-Med	231403	I learned many new things from this session.	
Mehakpreet Kaur	+1 Non-Med	231404	I enjoyed all things. It was very good I learn every thing.	
Shweta	+1 Non-med	231406		

Attendance cum feedback form

National Technology Day, 2023

Dated: May 11, 2023

Name of Student	Class	Roll no.	Feedback	Suggestion if any
Gagandip Kaur	+1 Med	231308	It was a great experience. I learned a lot of this and experiment. It was fun.	Room was small all the student were not able to exper.
Deshomi Klara	+1 (Med)	231326	It was my first experience I have even in physics department	
Ganjeeta	+1 (Med)	231311	We enjoy to much. I learn many things. It's my first experience. It was awesome.	Room was too small.
Suhani	+1 (Med)	231303	It was a really great experienced. We get to know many new things.	
Alveera	+1 (Non-Med)	231415	It is very best experience for me.	
Sakshi	+1 (Non-Med)	231412	It is very best experience for me.	
Pratika	+1 (Non-Med)	231402	It was my first great experience in physics lab. I learn so many things from this.	

49. Ten days online workshop on Exploring Computational Thinking

1. **Date of program:** May 29, 2023 to June 10, 2023
2. **Title/Theme of the program:** Exploring Computational Thinking
3. **Program for the benefit of:** Students to explore concepts of computational physics and its various applications in solving complex problems.
4. **Objective:** To understand the significance of computational physics in the modern day research field.
5. **Total no. of participants:** 3 (Including 1 faculty member and 2 students)
6. **Venue of the program:** Online mode (Zoom Meeting)

Kanya Maha Vidyalaya, Jalandhar an autonomous and heritage institution has always stressed upon innovations in science education for enabling smart and inclusive growth of students. Under this umbrella two students and one faculty member of P.G. Department of Physics, Kanya Maha Vidyalaya, Jalandhar an autonomous and heritage institution attended the 10 day online training workshop on Computational Physics named as "Exploring Computational Thinking" organized by the Indian Association of Physics Teachers (IAPT), Sub Regional Council 12A Bangalore from May 29,2023 to June 10,2023 through online mode. The patron of this online course was Prof P K Ahluwalia, President IAPT. The objective of this 10 day online training was to make students explore concepts of computational physics and its various applications. Computational Physics allows solving real problems practically in every field of science and engineering. This course was attended by the various students and educators from the different institutions. The trainers for this workshop were Prof. Mahesh Shetti from Wilson College, Mumbai, Prof. Vandna Luthra from Gargi College, New Delhi and Mr. Pratik Barve, South East Technological University, Ireland. During these 10 days, a brief introduction to Scilab and Python was given and their uses in solving the complicated problems were shown. This course highlighted the significance of computational physics in solving complex scientific problems that cannot be solved through traditional analytical methods. The students got a better understanding of the basics of computational physics and its impact on modern-day research. Certificates were provided to all the participants. Principal Prof. (Dr.) Atima Sharma Dwivedi applauded efforts of the Physics department for motivating their students and faculty to participate in such research oriented events.



Indian Association of Physics Teachers
SubRegional Council 12A Bangalore



Exploring Computational Thinking

Date 29 may to 10 june 2023

Patron: Prof P K Ahluwalia, President IAPT

ONLINE

Come, interact with your trainers, learn and get better



Prof. Mahesh Shetti
Wilson College, Mumbai



Prof. Vandna Luthra
Gargi College, New Delhi

Mr. Pratik Barve,
South East
Technological
University, Ireland



The Principal
Kanya Maha Vidyalaya
Jalandhar

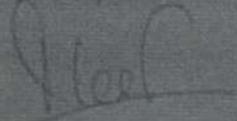
Subject

Respected Mam,

It is to bring to your kind notice that online summer school in Computational Physics "Exploring Computational Thinking" is being organized by Indian Association of Physics Teachers (IAPT) RC-Bangalore w.e.f. 29th May to 10th June 2023. Our two students along with one faculty wish to join this course having registration fee of Rs-300/- each. Kindly allow to submit fee under college grant.

Thanking you

Yours sincerely,



(Dr. Neetu Verma)
25th May 2023


Principal
KANYA MAHA VIDYALAYA
JALANDHAR



CERTIFICATE PARTICIPATION

presented to

Dr. Sandeep Kaur

Kanya Maha Vidyalaya

for participating in the Online Summer School

Exploring Computational Thinking

organized by IAPT RC12A from 29 May to 10 June 2023

P.K. Ahluwalia

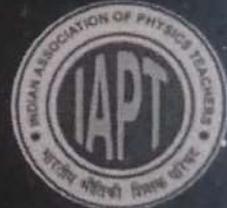
Mahesh Shetti

Sarmistha Sahu

PROF P KAHLUWALIA
PRESIDENT, IAPT

MAHESH SHETTI
CO-CONVENER

SARMISTHA SAHU
CONVENER



CERTIFICATE PARTICIPATION

presented to

Ms. Gagandeep Kaur

Kanya Maha Vidyalaya Jalandhar

for participating in the Online Summer School

Exploring Computational Thinking

organized by IAPT RC12A from 29 May to 10 June 2023

P.K. Ahluwalia

Mahesh Shetti

Sarmistha Sahu

PROF P KAHLUWALIA
PRESIDENT, IAPT

MAHESH SHETTI
CO-CONVENER

SARMISTHA SAHU
CONVENER

Handwritten mark



CERTIFICATE PARTICIPATION

presented to

Ms. Anchal Pathania

Kanya Maha Vidyalaya, Jalandhar

for participating in the Online Summer School

Exploring Computational Thinking

organized by IAPT RC12A from 29 May to 10 June 2023

PROF P KAHLUWALIA
PRESIDENT, IAPT

MAHESH SHETTI
CO-CONVENER

SARMISTHA SAHU
CONVENER

50. Golden opportunity for KMV Physics Faculty to be Transformative and Empowered Physics Teachers under the guidance of Padamshri HC Verma at Kanpur

Kanya Maha Vidyalaya, Jalandhar an autonomous and heritage institution has always stressed upon innovations in science education for enabling smart and inclusive growth of students. Discovering and developing newer and better ways for women empowerment and evolving a better society is a routine effort at KMV The Heritage Institution. Physics faculty members Dr. Neetu Verma and Dr. Sangeeta Prasher of Kanya Maha Vidyalaya a leading educational institution, were the only teachers from Punjab, who were invited by Padma Shri Prof H.C. Verma Ex Professor IIT Kanpur for 6 days residential National workshop of Utsahi Physics Teachers, designed to provide a platform for educators from all over India to exchange knowledge, explore innovative teaching methodologies, and enhance their skills. Now Kanya Maha Vidyalaya Jalandhar will act as a mentor for the other institutions to adopt the methodologies taught in the workshop during their classroom ventures.

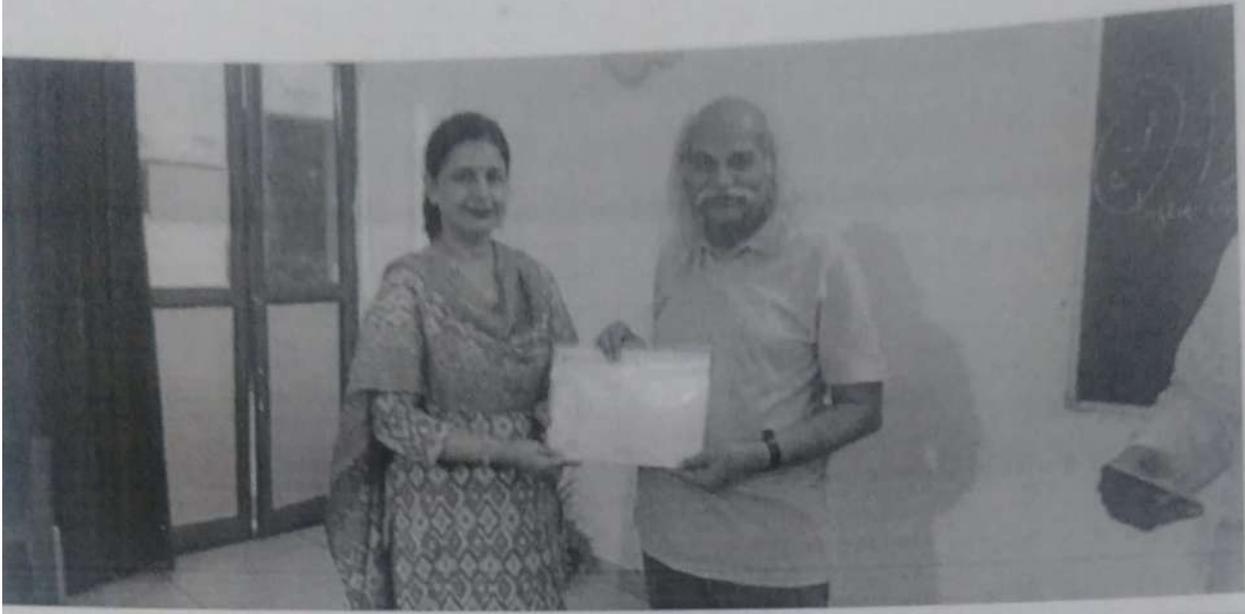
Shiksha Sopan, an NGO lead by Ex-Professor IIT Kanpur, Padam Shri H.C Verma, who organized a transformative Experimental Workshop, aimed to enhance teaching methodologies as per the guidelines of NEP-2020 by incorporating innovative tools and techniques into the classroom teaching.

The event held at the Shiksha Sopan Ashram, was attended by educators from various parts of the country who were eager to broaden their pedagogical horizons, focused on empowering Physics teachers to utilize advanced teaching aids effectively, thus enhancing student engagement and understanding. Padma Shri H.C. Verma, a distinguished Physicist, a highly regarded figure for his contributions to the field of Physics and his highly acclaimed textbook series, Concepts of Physics, shared his expertise and invaluable insights with the participants. His expertise and passion for teaching have earned him numerous accolades and recognition throughout his career.

During the workshop, Prof. Verma demonstrated a range of practical experiments and explained in detail the concepts leading to the activity and illustrated how teachers can incorporate these aids into their daily lessons to elucidate complex physics concepts and promote interactive learning. The attendees had the opportunity to explore and learn about various teaching aids, including demonstrations, models, and simulations, which can serve as powerful tools in

conveying abstract scientific principles in an accessible and engaging manner. The participants had hands-on experience with the making of a microscope that can be utilized to get an image of the microorganisms with the help of a mobile camera. A session was conducted to establish a research lab on a cost effective platform using house hold electronic equipment's. As an additional highlight of the event, a captivating industrial visit to a Swasa mask making industry was organized for the attendees. This visit was aimed to understand the underlying science and technology involved in mask making and involving industrial research into academic curriculum. The Experimental Workshop on Teaching Aids fostered a collaborative environment where the attendees actively exchanged ideas, best practices, and challenges faced in the teaching profession. Through group discussions and interactive sessions, the participants not only learned from H.C. Verma but also from one another, creating a vibrant community of educators committed to enhancing the quality of physics education in India. The KMV Physics faculty Dr Neetu Verma presented innovative initiatives and efforts put by Dr. Atima Sharma Dwivedi , Principal KMV and faculty for the holistic development of its students. Such initiatives serve as catalysts for professional development, encouraging teachers to adopt innovative methodologies and engage students in exciting ways. The participants expressed their gratitude to Padam Shri Prof H.C. Verma and other Shiksha Sopan members for organizing this exceptional learning opportunity, which will undoubtedly empower them to become more effective educators. KMV Physics Faculty expressed her gratitude to the institute administrator Dr. Atima Sharma Dwivedi for providing an intellectual platform for the professional growth.

P.



R

The Principal,
Kanya Maha Vidyalaya,
Talandhar

Respected Madam,

It is to bring to your kind notice that PG Dept. of Physics wishes to have Anveshika Centre at KMV in collaboration with National Anveshika Network of India (NANI) initiative under Padma Shri Prof. H.C. Verma (IIT Kanpur). For this we need to attend National Workshop of Utsahi Physics Teacher-2023 going to be held at Sopan Ashram, Nankai, Kanpur during 10th June to 15th June 2023. Kindly allow two faculty members of Physics department to attend this workshop under curie grant.

Thanking you.

Yours sincerely,

Parasudak
Dept. of Physics
13th April 2023

Dr. Neelam & Dr. Sangeeta

