

# **Invited Talks, Workshops & Departmental Activities**

**Under DBT STAR STATUS**

**Session 2022-23**

**Department of Physics**

**Kanya Maha Vidyalaya, Jalandhar**

**(An Autonomous & Heritage Institution)**

**3. Dr. Neetu Verma invited for an expert talk as the representative of the IIC institutions to present as a Innovation Ambassador(IA) at 3rd regional meet of IIC institutions, Chandigarh University**

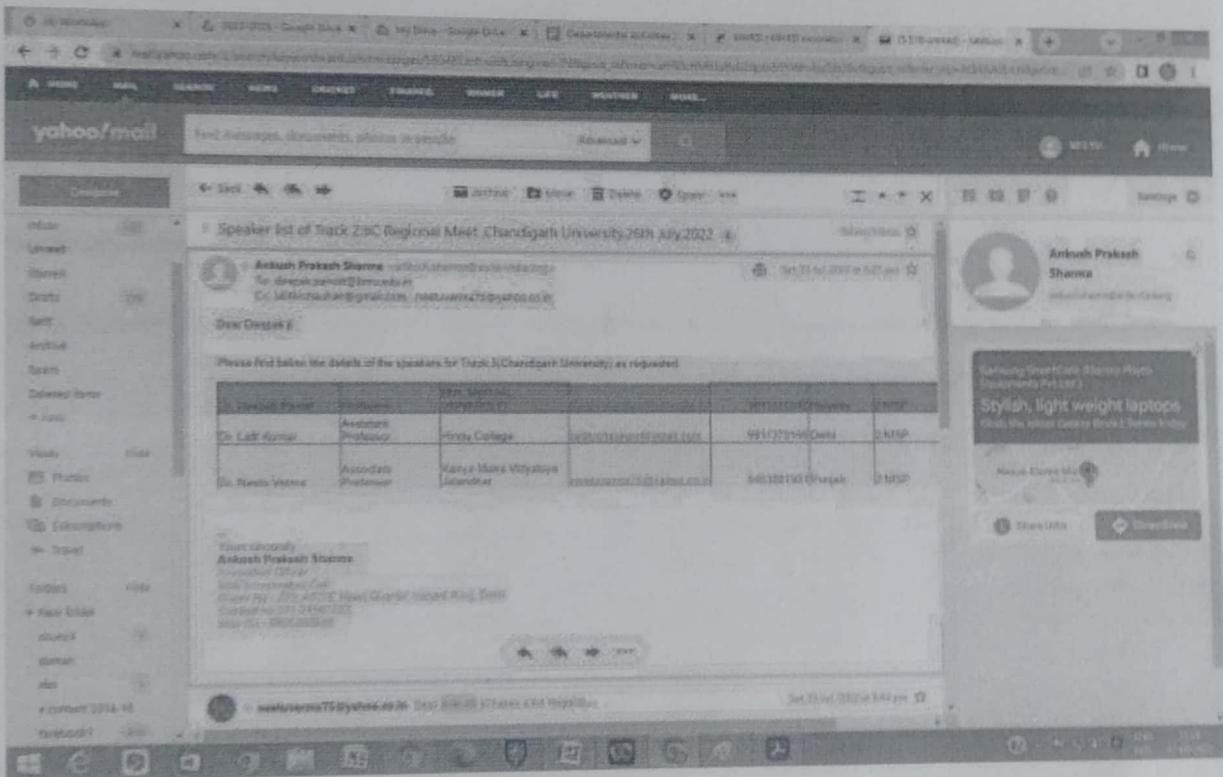
[https://www.instagram.com/p/CsX\\_u650WoH/?utm\\_source=ig\\_web\\_copy\\_link&igshid=MmJiY2I4NDBkZg==](https://www.instagram.com/p/CsX_u650WoH/?utm_source=ig_web_copy_link&igshid=MmJiY2I4NDBkZg==)

- 1. Date of program:** July 26, 2022
- 2. Title/Theme of the Program:** 3rd regional meet of IIC institutions
- 3. Program for the benefit of:** Interaction with Innovation ambassadors to update IIC related ventures
- 4. Objective:** To share various ideas on innovations
- 5. Total no. of participants:** 450 faculty + 140 students
- 6. Venue of the program:** Chandigarh University, Chandigarh

Dr. Neetu Verma, Vice President and Innovation Ambassador KMV IIC was invited for a talk to share her achievements and experiences as an innovation ambassador in the 3rd regional meet of IIC institutions from North-West Region (J&K, HP, UK, Punjab, Haryana, Delhi, Chandigarh UT) which was held at Chandigarh University on 26th July 2022. More than 450+ Faculty representatives from 270+ HEIs took part in this IIC regional meet along with 45+ Arts and Science colleges. 75+ innovations and 70+ IIC posters were also exhibited during the meet. More than 10+ incubators, state agencies, IP firms and ecosystem enablers from the state of Punjab and Haryana and Chandigarh were part of the round table discussion to strengthen their relation with educational institutions. Hon'ble Member Secretary, AICTE, Prof. Rajive Kumar had graced the occasion as Chief Guest. Prof Namita Gupta( HoD-CSE and IIC-MAIT President), Mr. Alok Sharma ( IIC-MAIT Convener), Mr Anupam Kumar (MAIT IIC- Innovation activity coordinator) and Prof M. L. Sharma ( HoD-IT and IIC Member) participated in the event.

Dr Neetu Verma started her talk to know the participants about her institution that has 136 years of glorious history. She acquainted the audience about the various innovative facilities created at her campus to inculcate innovations among young minds. She emphasized the importance of innovation ambassador training programs conducted by Ministry of Innovation Cell, Govt of India.

She shared her innovative approach having various steps starting from idea pooling, mentoring, prototypes completion, presentations at national and international competitions. Dr. Verma made the participants aware about various Hackathons conducted by Ministry of Innovation cell, Govt of India and encouraged them to participate in such competitions. She shared her students achievements in Toycathon, Innovesta, Smart India Hackathon etc. She conveyed her approach by playing video on innovation hub and student's speak. Her talk was very much informative and inspirational for the participants. The coordinator of the program thanks Dr. Neetu Verma for her impressive and conclusive talk. Principal KMV Dr. Atima Sharma Dwivedi Congratulated Dr Neetu Verma for her appreciable work.



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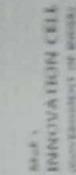
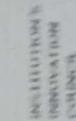


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# Feed back Regional Meet 26<sup>th</sup> July 2022

| S.No | Name                  | Institute                | Feedback  |
|------|-----------------------|--------------------------|---|
| 1.   | Dr. Sharmistha Jindal | LIPH, Jaisalmer          | very nice & informative Presentations                                 |
| 2.   | Atul Mishra           | BML Munjal University    | Try to monitor the sensor data for further improvement<br>nice effort |
| 3.   | Dr. Rajni Sethi       | D.S. College, Karnal.    |   |
| 4.   | Rishi                 | C.V                      | EXCELLENT   |
| 5.   | Sanksh                | C U                      | Good  |
| 6.   | Ajay Kumar            | Govt. College, Roopar    | Excellent use of sensor tech.   |
| 7.   | Updesdeep kaur        | — Same —                 | very valuable investment  |
| 8.   | Aruninder kaur        | "                        | Very innovative<br>Good Luck  |
| 9.   | Vandana               | B.BK DAV College         | Excellent   |
| 10.  | Dr. Suman             | JC DAV College<br>Dasuya | Nice Presentation   |
| 11.  | Himanshu              | Chandigarh Uni.          | Very Valuable   |

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CHANDIGARH UNIVERSITY

**IIC Regional Meet**  
MoE's Innovation Cell  
Institutions' Innovation Council

**Certificate of Appreciation**

This certificate is presented to **DR. NEETU VERMA**  
for sharing his/her experience as an Innovation Ambassador during IIC Regional  
meet 2022 held at CHANDIGARH UNIVERSITY, MOHALI

Dr. Sanjeet Singh  
IIC President,  
Chandigarh University, Mohali

Mr. Dipan Sahu  
Assistant Innovation Director  
MoE's Innovation Cell

## 8. En-route to lean startup through innovations

[https://www.instagram.com/p/CsiTPjiOm7X/?utm\\_source=ig\\_web\\_copy\\_link&igshid=MmJiY2i4NDBkZg==](https://www.instagram.com/p/CsiTPjiOm7X/?utm_source=ig_web_copy_link&igshid=MmJiY2i4NDBkZg==)

1. **Date of program:** Aug 26, 2022
2. **Title/Theme of the Program:** En-route to lean startup through innovations
3. **Program for the benefit of:** Students learnt the importance of Intellectual property rights and filing patents.
4. **Objective:** To share various ideas on innovations
5. **Total no. of participants:** 115 (Including 40 faculty members)
6. **Venue of the program:** Hybrid Mode: Online and Conference Hall, Kanya Maha Vidyalaya, Jalandhar

### Summary:

Kanya Maha Vidyalaya, Jalandhar an autonomous and heritage institution has always supported the **Atmanirbhar Bharat Abhiyaan/ Self-reliant India** campaign which is the vision of new India envisaged by the Hon'ble Prime Minister Shri Narendra Modi. P.G. Department of Physics is inculcating innovative minds among its students and is then translating innovations to prototypes. Recently with the objective of stressing the need of startup, P.G. Department of Physics has organized an expert talk on “En-route to lean startup through innovations” on August 26, 2022 under the aegis of Curie Grant. Dr. Kuldeep Singh Nagla (Associate Professor at Dr. B.R. Ambedkar National Institute of Technology, Jalandhar) was invited as a resource person for the event. The event was attended by 115 participants including faculty members and students of Govt. College, Ropar, Guru Hargobind Institute of Law for Women, Ludhiana, J.C. DAV College, Dasuya, IITM School of Art Science and Commerce, Murthal, Laxmi Narayan College of Technology Excellence, Bhopal. In his talk, Dr. Nagla addressed participants on the topic of “Introduction to IPR: Focused on Patents, Designs and copyrights”. Dr. Nagla motivated students as well as faculty to come up with innovative projects and have a startup to support society as well

as nation. Dr. Nagla also guided students about various government bodies like Punjab State Council for Science & Technology (PSCST), DST, Department of Science and Technology, Govt. of India, Dr BR Ambedkar National Institute of Technology, Jalandhar for financial assistance. For motivating students for startup Dr. Nagla included various examples like Swiggy, Cred, Uber, Whatsapp, SpaceX etc. in his presentation. Further Dr. Nagla elaborated the concept of Intellectual Property Rights and its need. Further he discussed patents, trademarks, copyright, industrial design etc. Presentation of Dr. Nagla was very motivating and impressive. Students asked various questions related to IPR, startups from the resource person.

Principal Prof. (Dr.) Atima Sharma Dwivedi applauded efforts of P.G. Department of Physics for organizing this expert talk. She added that today innovation is the need of hour and our curriculum should focus on innovations and entrepreneurship.

Feedback link —

<https://forms.gle/Mdchkc9gyFpSKFke6>

## के.एम.वी. ने ऑनलाइन एक्सपर्ट टॉक का किया आयोजन

सवेरा न्यूज/कुश

जालंधर, 11 सितंबर : भारत की विरासत एवं आटोनामस संस्था, कन्या महा विद्यालय ने हमेशा भारत सरकार के आत्मानिर्भर भारत अभियान का समर्थन किया है। एक नई पहल में, पी.जी. डिपार्टमेंट ऑफ फिजिक्स ने क्यूरी ग्रांट के तहत इन-स्टूटू लीन स्टार्टअप धू इनोवेशन पर एक ऑनलाइन एक्सपर्ट टॉक का आयोजन किया। इस आयोजन के लिए कुलदीप सिंह नगला, एसोसिएट प्रोफेसर डी.बी.आर. अंबेडकर नेशनल इंस्टीट्यूट ऑफ टेक्नोलॉजी, जालंधर ने बतौर ग्योत वक्ता शिरकात की। गवर्नमेंट कालेज, रोपड़, गुरु हरगोबिंद



ऑनलाइन एक्सपर्ट टॉक में ऑनलाइन बातचीत करते हुए विद्यालय प्राचार्य प्रो. (डा.) अतिमा शर्मा द्विवेदी व ग्योत वक्ता कुलदीप सिंह नगला। (सदीप)

इंस्टीट्यूट ऑफ लॉ फॉर वूमैन, लुधियाना, जेसी डी.ए.वी. कालेज, दसूहा, आई आई टी.एम. स्कूल ऑफ आर्ट साइंस एंड कॉमर्स, मुरधल, लक्ष्मी नारायण कालेज ऑफ टेक्नोलॉजी एक्सप्लैस, भोपाल के फैक्ट्री मैम्बरज और छात्रों सहित 150 से अधिक प्रतिभागियों ने इस में भाग लिया। डा. नगला ने छात्रों को स्टार्टअप के लिए प्रेरित करने के लिए अपनी प्रस्तुति में स्विगी, क्रेड, उबर, क्वाट्सएण्ड, स्पेसएक्स आदि के कई उदाहरण शामिल किए। विद्यालय प्राचार्य प्रो. (डा.) अतिमा शर्मा द्विवेदी ने पी.जी. डिपार्टमेंट ऑफ फिजिक्स के प्रयासों की सराहना की।

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The Heritage Institution  
Estd. 1886

## 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

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E-mail : kmvjalandhar@yahoo.com  
kmvoffice1886@gmail.com  
Vidyalaya Marg,  
JALANDHAR-144 004.

Ref. No. Kmv/4644

Date 23.8.2022

Dear Dr. Kuldeep Singh Nagla  
Associate Professor  
Dr BR Ambedkar National Institute of Technology  
Jalandhar

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.

Our institution is organizing an interactive session on "*En-route to lean start-up through innovations*". Our institution acknowledges and appreciates you as an eminent scientist of international repute. So, we wish to invite you as a resource person on August 26, 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 resource person.

Looking forward to your valuable interaction.

*Madhuveel*  
Principal  
Kanya Maha Vidyalaya, Jalandhar  
Jalandhar

**Attendance cum feedback form**  
**En-route to lean startup through innovations**

Dated: August 26, 2022

| Name of Student | Class                         | Roll no. | Feedback                    | Signature |
|-----------------|-------------------------------|----------|-----------------------------|-----------|
| Khushi          | BSc. (H)<br>Physics - IV      | 224226   | exciting                    |           |
| Manjusha        | BSc (H)<br>Physics - IV       | 224229   | Knowledgeable<br>Experience |           |
| Manpreet        | Bsc (Honours)<br>Physics - IV | 224230   | very good.                  |           |
| Manpreet        | BSC CHEM<br>PHYSICS           | 224229   | Excellent                   |           |
| Harpreet Kaur   | BSc. (H)<br>Physics IV        | 224231   | good                        |           |
| Raminderbaur    | BSC(H)<br>Physics IV          | 224227   | good                        |           |
| Tania Modgi     | BSC(NM)<br>IV                 | 224811   | good                        |           |
| Simranjit Kaur  | B·SC(NM)<br>IV                | 224812   | Good                        |           |
| Ravinder Kaur   | BSc. CS<br>IV                 | 224453   | Good                        |           |

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**Attendance cum feedback form**  
**En-route to lean startup through innovations**

Dated: August 26, 2022

| Name of Student  | Class                               | Roll no. | Feedback | Signature |
|------------------|-------------------------------------|----------|----------|-----------|
| Shabnam          | BSc Non<br>-Med sem-IV              | 224810   | Good     | Shabnam   |
| Ishika           | BSc Non<br>-Medical -IV             | 224814   | Good     | Ishika    |
| Pavinder<br>Kaur | BSc. Cs<br>IV                       | 224453   | Nice     | Pavinder  |
| Navneet Kaur     | B.Sc Non<br>Medical IV              | 224801   | Good     | Navneet   |
| Mansi            | BSc Non-<br>medical 4 <sup>th</sup> | 224813   | Good     | Mansi     |
| Rupinder Kaur    | BS (NM)<br>4 <sup>th</sup>          | 224803   | Good     | Rupinder  |
| Jwisha           | BSc (N.M)<br>4 <sup>th</sup>        | 224815   | Good     | Jwisha    |
| Bhawna<br>Thapar | B.Sc NM<br>Sem V                    | 224804   | Good     | Bhawna    |
|                  |                                     |          |          |           |

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**Attendance cum feedback form**  
**En-route to lean startup through innovations**

Dated: August 26, 2022

| Name of Student | Class                           | Roll no. | Feedback    | Signature       |
|-----------------|---------------------------------|----------|-------------|-----------------|
| Beenu Kumari    | B.Sc (Non-Med)<br>Sem 4         | 224802   | Good        | Beenu<br>Kumari |
| Diksha          | BSc 4<br>Sem V)                 | 224480   | Good        | Diksha          |
| Tauna           | B.Sc C.B<br>Sem 6 <sup>th</sup> | 224481   | Good        | Tauna           |
| Indupreet       | BSc CS<br>Sem 6 <sup>th</sup>   | 224482   | Good        | Indupreet       |
| Mandini         | BSc CS 6                        | 224479   | Average     | Mandini         |
| Bishakha        | BSc CS 6                        | 224478   | Pretty good | Bishakha        |
| Radhika         | BSc CS 6                        | 224475   | Excellent   | Radhika         |
| Aditi           | BSc NM 6                        | 224851   | Very good   | Aditi           |
| Ananya          | BSCMM-6                         | 224853   | Very Good   | Ananya          |

## 17. Expert Talk on Design thinking under Audit Course on Innovation and Entrepreneurship at KMV

<https://www.instagram.com/p/CIOa1QbvjI/?igshid=ZmVmZTY5ZGE=>

1. **Date of program:** October 19 , 2022
2. **Title/Theme of the Program:** Design Thinking
3. **Program for the benefit of:** Students To foster the spirit of entrepreneurship and startups
4. **Objective:** To foster the spirit of entrepreneurship and startups in young minds
5. **Total no. of participants:** 300 (Including 50 teachers)
6. **Venue:** Kanya Maha Vidyalaya, Jalandhar

A motivating lecture was delivered by Dr. Neetu Verma (Associate professor, PG department of Physics, Innovation ambassador, Vice president IIC , Kanya Maha Vidyalaya , Jalandhar) to all the UG students to foster the spirit of entrepreneurship and startups in the young minds. The topic of the lecture was **design thinking**. She emphasized that there are no limits to what we can accomplish except the limits we place on our own thinking. She then quoted the example of problem solving: the encumbered VS the fresh mind and made things clear between traditional thinking and design thinking. Examples of world's leading brands such as Apple, Google and Samsung were given that adopted the design thinking approach. Ma'am further explained what design thinking means and how problem solving equals design thinking. Many problems were solved such as installation of a sink on the top of the toilet seats to curb the water scarcity problem. Introduction of cashless payments to make the transactions straightforward and to reduce the chances of fraud. Design thinking modes were discussed which include empathize, define, ideate, prototype and test. Design thinking helped the students to think outside the box. Dr. Verma conducted several idea pooling sessions within the campus such as Creative Mind Teasers , Anubhooti, etc. Students developed many prototypes and under her valuable guidance, KMV students won 2<sup>nd</sup> Best Idea Prize in national event "Innovesta- 2021". Two ideas selected for grand finale Toyathon 2021. Three innovation ideas selected for Smart India Hackathon. Under her guidance, the students made a way to the national level and got recognized. The lecture was quite fruitful and fostered the idea of innovation in the young minds. Principal Prof. (Dr.) Atima Sharma applauded Dr. Neetu Verma for her incredible efforts for the same.



## 19. Expert Talk on Time Management under Personality Development Course at KMV

[https://www.instagram.com/p/CsqOskqu8mg/?utm\\_source=ig\\_web\\_copy\\_link&igshid=MmJiY2I4NDBkZg==](https://www.instagram.com/p/CsqOskqu8mg/?utm_source=ig_web_copy_link&igshid=MmJiY2I4NDBkZg==)

1. **Date of program:** November 1<sup>st</sup>, 2022
2. **Title/Theme of the Program:** Time management
3. **Program for the benefit of:** Students to boost their learning capabilities and focused on time management skills
4. **Objective:** To boost their learning capabilities, build self-confidence, and focused on time management skills.
5. **Total no. of participants:** 300 (Including 50 teachers)
6. **Venue:** Kanya Maha Vidyalaya, Jalandhar

Kanya Maha Vidyalaya hosted an invited talk 'Time management' by Dr. Neetu Verma (Associate Professor, P.G. Dept. of Physics, Kanya Maha Vidyalaya) under personality development course for Semester III. This talk was aimed to help the students know themselves, boost their learning capabilities, build self-confidence, and mainly focused on time management skills. Dr. Neetu Verma quoted "**The bad news is time flies. The good news is you're the pilot**". Dr. Verma interacted with the students and through varied types of questions made them realize how time management skills help us to become successful. She discussed the difference between the myths and reality about time management by taking examples of everyday experiences. She conveyed the skills of time management step by step like setting your goals, making a schedule, and revisiting and revising your plan. She also discussed how to set up your weekly plan and yearly timetable for different activities. She was productively focused on how students should utilize their time and avoid social media interruptions. In the end, with a very polite note, she talked about the ladder of success that success can be achieved by every student by following some steps like hard work, dedication, and time management. This enjoyable session was held in the college campus and Participants who gave positive feedback. Principal Prof. (Dr.) Atima Sharma applauded Dr. Neetu Verma for her incredible efforts for the same.





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"College with Potential for Excellence" by UGC  
Under Star College Scheme by DBT, Govt. of India

Ref. No. Kmv/759  
Date 03 JUN 2023

### APPRECIATION LETTER

This is to certify that Dr. Neetu Verma has delivered an expert talk on "Time Management" under value-added programme "Personality Development" for semester-III students of undergraduate degree programmes. Her lecture was very informative and motivating. I wish her luck in her future endeavors.

*Manitha*  
CO-ORDINATOR

*Hadhwaal*  
PRINCIPAL  
Kanya Maha Vidyalaya  
Jalandhar

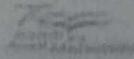
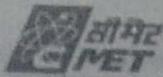
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## 21. Invited Talk At International Conference on Functional Glasses / Glass-Ceramics (ICFGGC-2022)

1. **Date of program:** November 24-25, 2022.
2. **Title of the Talk:** Optical glasses and irradiation effect on glasses
3. **Objective:** To showcase the research work done by the teachers
4. **Total no. of participants:** 1 (Dr. Gopi Sharma)
5. **Venue:** Centre for Materials for Electronics Technology(C-MET), Pune

Dr. Gopi Sharma, Associate Professor of KMV was invited to give a talk in a two day International conference on Functional Glasses / Glass-Ceramics (ICFGGC-2022) in hybrid mode, during November 24-25, 2022. organized by Materials Research Society of India (MRSI) Mumbai and Materials Research Society of India Pune in association with Centre for Materials for Electronics Technology(C-MET). 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 INEA 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.. She has also been guiding Ph.D. students. Madam Principal congratulated Dr. Gopi Sharma for her achievements.

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International Conference on Functional Glasses / Glass-Ceramics (ICFGGC-2022)

Organized by

Centre for Materials for Electronics Technology (C-MET) Pune

in Association with

Materials Research Society of India (MRSI)

### Certificate Of Participation

This is to certify that Dr. Gopi Sharma from K.M. Jalanshar has successfully attended / participated in Poster Presentation in online / Offline mode in "International Conference on Functional Glasses / Glass-Ceramics (ICFGGC-2022)" held at Centre for Materials for Electronics Technology (C-MET) Pune, from 24<sup>th</sup> to 25<sup>th</sup> November 2022.  
*as Invited Speaker*

Bharat Kale

Dr. Bharat B. Kale  
Director General  
C-MET

G.P. Kothiyal

Dr. G.P. Kothiyal  
MRSI (Mumbai-Chapter)  
(Co-Chairman)

T. Seth

Dr. Tanay Seth  
Scientist F & Convener,  
C-MET

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## 22. Physics teachers attended the national conference on Implementation of NEP-2020

1. **Date of program:** 29-30 November, 2022
2. **Title/Theme of the Program:** National Conference On Implementation Of Nep-2020
3. **Program for the benefit of:** Faculty and educationist
4. **Objective:** To make faculty understand the National Education Policy - 2020 proposed by Government of India
5. **Venue:** Conference Hall

Kanya Maha Vidyalaya stresses upon conducting workshops for the teachers from time to time to enhance the knowledge of the teachers as well. Regarding this, teachers of P.G Department of Physics attended the National conference on Implementation of NEP-2020 and Role of Scientific and Technical Terminology organized by the Commission for Scientific and Technical Terminology, Government of India in collaboration with Kanya Maha Vidyalaya. In the conference the implementation of national education policy was discussed. Resource persons explained the importance of technical and scientific terminology used in NEP 2020.





NEFT/2015/No. 17

संश्लेषण सं. 2015/2016/110266



भारत सरकार  
वैज्ञानिक तथा तकनीकी शब्दावली आयोग

शिक्षा मंत्रालय

(उच्चतर शिक्षा विभाग)

रामकृष्णपुरम, नई दिल्ली-110066

GOVERNMENT OF INDIA

COMMISSION FOR SCIENTIFIC AND TECHNICAL TERMINOLOGY

MINISTRY OF EDUCATION

(DEPARTMENT OF HIGHER EDUCATION)

RAMAKRISHNAPURAM, NEW DELHI-110066

प्रमाण पत्र

CERTIFICATE

प्रमाणित किया जाता है कि मंच/व्यक्ति परमिंदर कौर ने वैज्ञानिक तथा तकनीकी शब्दावली आयोग द्वारा आयोजित कार्यक्रम में भाग लिया।  
वैज्ञानिक तथा तकनीकी शब्दावली आयोग द्वारा आयोजित कार्यक्रम में भाग लिया।  
वे दिनांक 29. 11. 2022 से 30. 11. 2022 तक आयोजित राष्ट्रीय शिक्षा नीति-2020 का कार्यान्वयन एवं वैज्ञानिक और तकनीकी शब्दावली की भूमिका।  
विषय: मंच/कार्यक्रम/प्रशिक्षण कार्यक्रम में सहायक/विशेषज्ञ/प्रतिभागी के रूप में भाग लिया।

Certificate that Mr./Ms./Dr. Paraminder Kaur has participated from 29. 11. 2022 to 30. 11. 2022 as an Resource Person/Expert/Participant in a Seminar / Workshop/Training Programme on Implementation of NEP- 2020 and Role of Scientific & Technical Terminology organized by Commission for Scientific and Technical Terminology at Kanya Maha Vidyalaya (Autonomous College), Jalandhar (Pb)

दिनांक:  
Dated: 29. 11. 2022

*[Signature]*  
Co-ordinator

*[Signature]*  
कार्यक्रम प्रभारी  
Programme in charge

*[Signature]*  
Principal  
Kanya Maha Vidyalaya

*[Signature]*  
Chairman

*[Handwritten mark]*



प्रसं सं०/SI.No. 14



पंजीकरण सं०/Registration No.



# भारत सरकार वैज्ञानिक तथा तकनीकी शब्दावली आयोग

शिक्षा मंत्रालय  
(उच्चतर शिक्षा विभाग)  
रामकृष्णपुरम, नई दिल्ली-110066

GOVERNMENT OF INDIA  
**COMMISSION FOR SCIENTIFIC AND TECHNICAL TERMINOLOGY**  
MINISTRY OF EDUCATION  
(DEPARTMENT OF HIGHER EDUCATION)  
RAMAKRISHNAPURAM, NEW DELHI-110066

## प्रमाण-पत्र CERTIFICATE

प्रमाणित किया जाता है श्री/सुश्री/डॉ० नीतू चौपड़ा ने वैज्ञानिक तथा तकनीकी शब्दावली आयोग द्वारा कन्या महाविद्यालय (स्वायत्त संस्था), जातंधर (पंजाब) में दिनांक 29.11.2022 से 30.11.2022 तक आयोजित राष्ट्रीय शिक्षा नीति-2020 का कार्यन्वयन एवं वैज्ञानिक और तकनीकी शब्दावली की सूचिका विषयक संगोष्ठी/कार्यशाला/प्रशिक्षण कार्यक्रम में संसाधक/विशेषज्ञ/प्रतिभागी के रूप में भाग लिया।

Certificate that Mr./Ms./Dr. Neetu Chopra has participated from 29.11.2022 to 30.11.2022 as an Resource Person/Expert/Participant in a Seminar / Workshop/Training Programme on Implementation of NEP-2020 and Role of Scientific & Technical Terminology organized by Commission for Scientific and Technical Terminology at Kanya Maha Vidyalaya, (Autonomous College), Jatandhar (Pb.)

दिनांक  
Dated: 30.11.2022

Shams  
Co-Ordinator  
Kanya Maha Vidyalaya

[Signature]  
कार्यक्रम प्रभारी  
Programme in-charge

[Signature]  
Principal  
Kanya Maha Vidyalaya

[Signature]  
अध्यक्ष  
Chairman

[Handwritten mark]

## 24. Expert Talk in Ability Enhancement Workshop for teachers at Jaipur National University

[https://www.instagram.com/p/CsqPuJ3Odpj/?utm\\_source=ig\\_web\\_copy\\_link&igshid=MmJiY2I4NDBkZg==](https://www.instagram.com/p/CsqPuJ3Odpj/?utm_source=ig_web_copy_link&igshid=MmJiY2I4NDBkZg==)

1. **Date of program:** December 9 , 2022
2. **Title/Theme of the Program:** Ability Enhancement Workshop for teachers
3. **Program for the benefit of:** School teachers to update their practical skills of demonstrating different experiments.
4. **Objective:** To update practical skills of school science teachers.
5. **Total no. of participants:** 100
6. **Venue:** Jaipur National University

Jaipur National University conducted an Ability Enhancement Workshop for school science teachers .Dr. Neetu Verma, from P.G. Department of Physics of the Heritage Institution, Kanya Maha Vidyalaya, was the invited speaker and mentor in the experimental workshop. Main aim of the activity was to “up skill”, clarify the basic concepts and create interest in sciences through innovative experiments. Such workshops maximize the ability of faculty to teach and to create learner-centered teaching. In this workshop different daily human activities were related with science phenomena. She demonstrated some simple basic experiments of physics like types of waves through a model prepared from straws and tape ,demonstration of eddy currents with the help of PVC pipe and magnet, Concept of magnetic brakes by using aluminum disc , high low tracks & different experiments of Physics related to standing waves, electromagnetic induction etc. These demonstrations were presented with the help of simple and easily available materials so that students can showcase these even at home. There were also some magic tricks performed

in the workshop and science behind these tricks was explained. Teachers interacted with great enthusiasm & showed their interest in all activities. This workshop proved to be an enjoyable, interesting & knowledgeable activity which was totally different from regular classes.



&



## 29. Budding KMVite Entrepreneurs Trained at Startup Bootcamp - A step towards Women Entrepreneurship

[https://www.instagram.com/p/CsqR38hObTD/?utm\\_source=ig\\_web\\_copy\\_link&igshid=MmJiY2l4NDBkZg==](https://www.instagram.com/p/CsqR38hObTD/?utm_source=ig_web_copy_link&igshid=MmJiY2l4NDBkZg==)

1. **Date of program:** February 08, 2023
2. **Title/Theme of the Program:** Tech-Startup- connect and Grow Event' on Women Entrepreneurship
3. **Program for the benefit of:** Students to sensitize early-stage entrepreneurs to propound their ideas.
4. **Objective:** to promote entrepreneurship among youth
5. **Total no. of participants:** 2
6. **Venue:** Guru Nanak Dev University, Amritsar

Kanya MahaVidyalaya Jalandhar, a pioneer institute of women education in Northern India organizes various innovative activities and visits for inculcating innovative spirit among the students. The interested and talented KMV students from different departments of college along with teachers Ms Vibuti Kalia and Dr Mandeep Kaur participated in technical Bootcamp program 'Tech-Startup- connect and Grow Event' on Women Entrepreneurship organized by Golden Jubilee Center for Entrepreneurship and Innovation of Guru Nanak Dev University in association with Punjab State Council for Science and Technology, Chandigarh on February 08, 2023. The major emphasis of this event was to sensitize early-stage entrepreneurs to propound their ideas. The event started with the release of a documentary about Golden Jubilee Center for Entrepreneurship and Innovation by Prof. Sarbjot Singh Behl, Dean Academic Affairs and Nodal Officer RUSA 2.0. On the occasion, Prof. Behl emphasized the need for women entrepreneurship for the prosperity of the nation. Dr. Dapinder Kaur Bakshi, Joint Director, PSCST explained the role of Punjab Government to promote entrepreneurship among youth. Dr. Bakshi introduced the SHE (Startups, Hand Holding and Empowerment), an initiative of Punjab State Council for Science and Technology. She also highlighted the networking of State government initiatives for young entrepreneurs.

Our students interacted with successful invited entrepreneurs Ms. Shikha Sareen, Chairperson-FICCI-FLO, Ms. Muskan Kapoor, MD Angels Paradise School and founder –Grace Health care, Mr. Amitesh Singh, Director- Novelty Group. Students asked them questions about the startup journey, various hurdles faced by them, management of finances for start-ups etc. The industry representatives motivated the students to involve in startups and expressed their interest to help girl students who want to venture into the exciting field of Entrepreneurship.

Students also visited the Incubation Centre at University. Dr P K Pati, coordinator of Golden Jubilee Center for Entrepreneurship and Innovation expressed his commitment to the incubation center and motivated the students for entrepreneurship and ensured the support by the center. Students received certificates after completion of the program. Dr Atima Sharma Dwivedi, Principal of KMV congratulated the participants and encouraged budding entrepreneurs to take initiative for start-ups.





# Women Entrepreneurship BootCamp

Organised by

Punjab State Council for  
Science & Technology

&

Guru Nanak Dev University,  
Amritsar

under SHE (START-UP HANDHOLDING & EMPOWERING) Initiative

*Building equitable & inclusive culture through women entrepreneurship development*

*Inviting tech-based early-stage start-ups & students to  
join us for Bootcamp series at:*

Amritsar  
GNDU

IISER  
Mohali

NIT  
Jalandhar

Patiala/  
Dera Bassi  
Thapar

Ludhiana  
PAU

**OPPORTUNITY TO INTERACT WITH INSPIRING LEADERS &  
KICKSTART YOUR ENTREPRENEURIAL JOURNEY**



ACCESS TO MENTORSHIP NETWORK



DEDICATED LAUNCHPAD TO TRANSLATE IDEAS  
INTO MARKETABLE PRODUCTS



ACCELERATION & INCUBATION SUPPORT



STATE LEVEL RECOGNITION & AWARDS



SEED FUNDING & MENTORSHIP



**BOOTCAMP**



Guru Granth Sahib Bhawan Auditorium,  
Guru Nanak Dev University, Amritsar



**February 08, 2023 (Wednesday)  
10. AM to 01.00 PM**

Goggle form link: <https://forms.gle/k8QrdxhCzFwFDwXX9>

Contact us:



Dr. Dapinder Kaur Bakshi  
Joint Director, PSCST



Dr. Pratap Kumar Pati  
Professor, GNDU



dapinderbakshi@rediffmail.com



coordinator.gjcei@gndu.ac.in



STARTUP



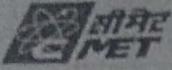
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### 33. Invited Talk at International Materials Conclave

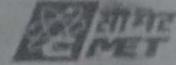
1. **Date of program:** March 08-10 , 2023
2. **Title of the Talk:** Structural and spectroscopic investigations of Eu -doped nanocrystalline glass ceramics
3. **Objective:** To showcase the research done by the glass ceramic group at KMV
4. **Venue of the program:** Centre for Materials for Electronics Technology(C-MET), Pune

Dr. Gopi Sharma, Associate Professor of KMV was invited to give a talk in a three day International Materials Conclave (IMC-2023) in hybrid mode, during March 8&10th March, 2023 organized by Centre for Materials for Electronics Technology(C-MET). Dr. Sharma discussed the various properties of glasses and their applications. She discussed the work done by her group at KMV. 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 INEA Italy, COE College USA, Department of Science and Technology, Bhaba Atomic Research Centre, Tata Institution of Fundamental Research, Department of Atomic Energy Govt. of India.. She has also been guiding Ph.D. students. Madam Principal congratulated Dr. Gopi Sharma for her achievements.

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## International Materials Conclave (IMC-2023)



ORGANIZED BY  
CENTRE FOR MATERIALS FOR ELECTRONICS TECHNOLOGY (C-MET), PUNE.  
8<sup>th</sup> -10<sup>th</sup> March 2023

### Certificate

This is to certify that Dr/Shri/Smt. *Dr. Gopi Sharma (Invited Speaker)*.....  
From *Konysa Maha Vidyalaya, Jalandhar* has successfully attended / presented  
oral / poster at International Materials Conclave (IMC-2023) organized by C-MET, Pune during  
8-10<sup>th</sup> March 2023.

*Ranjit Hawaldar*  
Dr. Ranjit Hawaldar  
Convener  
IMC-2023

*Bharat B. Kale*  
Dr. Bharat B. Kale  
Director General & Chairman  
IMC-2023

*Sudhir Arbuji*  
Dr. Sudhir Arbuji  
Co-Convener  
IMC-2023

### 43. Extension lecture on

#### "The basics of computational physics and its applications in various fields"

<https://www.instagram.com/p/Crx80RdPMMo/?igshid=MDJmNzVkMjY=>

<https://www.facebook.com/100072090093200/posts/pfbid02XAacs5e2GR2BBY3yd7ppdEB4Fn1MyjUm9EYfB3Tx7g8f2JNMaYRBDLPTJyFnfWn8I/?mibextid=Nif6oz>

1. **Date of program:** 21 April, 2023
2. **Title/Theme of the Program:** extension Lecture on The basics of computational physics and its applications in various fields
3. **Program for the benefit of:** Students to get exposure to basic concepts of computational physics and to know its importance and future scope.
4. **Objective:** to explore concepts of computational physics and its applications in various fields
5. **Total no. of participants:** 60 (including 11 teachers)
6. **Venue:** Conference Hall, KMV College

Discovering and developing newer and better ways for women empowerment and evolving a better society is a daily effort at KMV- The Heritage Institution. P.G. Department of Physics organized an extension lecture of Dr. Vandana Luthra, a professor, from Gargi College, New Delhi delivered a guest lecture on "The basics of computational physics and its applications in various fields" at Kanya Maha Vidyalaya, Jalandhar, an autonomous and Heritage Institution. The lecture was attended by students, and faculty members, from P.G. Department of Physics. Dr. Luthra began her talk by giving a brief overview of computational physics, explaining how it has become an integral part of modern-day research in physics. She further elaborated on the various applications of computational physics, including quantum mechanics, statistical mechanics, and experimental Physics. Dr. Luthra also highlighted the significance of computational physics in solving complex scientific problems that cannot be solved through traditional analytical methods. She also gave several examples of how computational physics has been used to solve real-world problems, such as predicting the behavior of resistance of different electronic components under varying

potentials, designing new experiments, and simulating the formation of galaxies. Throughout her lecture, Dr. Luthra emphasized the importance of collaboration between physicists and computer scientists, as the two fields are increasingly becoming interdependent. She also encouraged students to pursue a career in computational physics, given its vast applications and potential for innovation. The lecture ended with a Q&A session, where attendees had the opportunity to ask Dr. Luthra questions about her research and the future of computational physics. The event was a great success, and attendees left with a better understanding of the basics of computational physics and its impact on modern-day research. Principal Prof. (Dr.) Atima Sharma Dwivedi greeted him and applauded P.G. Department of Physics for organizing such meaningful lecture cum interactions.

**PG Department of Physics**  
**Kanya Maha Vidyalaya, Jalandhar**  
Organizes a lecture entitled



*Basics of Computational Physics learning and career opportunities in interdisciplinary fields*

**FRIDAY** 21st April, 2023 **13:00 Hrs**

**CONFERENCE HALL**  
**KANYA MAHA VIDYALAYA, JALANDHAR**



**Dr. Vandana Luthra**  
Gargi College, Dehi University

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The Heritage Institution  
Estd. 1886

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/168  
Date 18-4-2023

Dr Vandana Luhtra  
Professor  
Department of Physics  
Gargi College, Delhi University  
New Delhi

Respected Madam

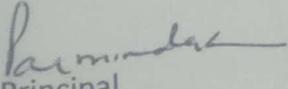
Greetings from Kanya Maha Vidyalaya, Jalandhar.

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 Department of Science and Technology, Govt of India, Department of Biotechnology, University Grant Commission, Bhabha Atomic Research Centre etc.

It will be our pleasure to invite you to be a guest speaker for a lecture at our esteemed institution for enriching educational experiences of our students through your expertise and experience. The lecture is scheduled to take place on April 21, 2023, Friday at 13:00 hrs in Conference hall. Your insights and perspectives on Physics Computational Techniques would be valuable to students and faculty alike. Please confirm your Acceptance of the invitation at your earliest convenience.

Looking forward to welcome you.

  
Principal  
Kanya Maha Vidyalaya, Jalandhar  
Kanya Maha Vidyalaya  
Jalandhar

**Attendance cum feedback form**  
**Extension lecture by Dr. Vandna Luthra**

Dated: April 21, 2023

| Name of Student    | Class                | Roll no. | Feedback                          | Signature          |
|--------------------|----------------------|----------|-----------------------------------|--------------------|
| Haraman preet kaur | M.Sc. Physics        | 225101   | Good exposure to experimental way | Haraman preet kaur |
| Gurdeep kaur       | Msc Physics          | 225102   | Good experience                   | Gurdeep kaur       |
| Damna              | MSC (Physics) Sem 2  | 225108   | Awesome                           | Damna              |
| Sharanjit Kaur     | M.Sc. Physics sem. 2 | 225103   | Good.                             | Sharanjit Kaur.    |
| Haraman kaur       | M.Sc Physics Sem 2   | 225109   | Good                              | Haraman kaur       |
| Sefal Thakur       | M.Sc Physics Sem II  | 225111   | Good                              | Sefal Thakur       |
| Tami Sharma        | MSc Physics Sem II   | 225112   | Good                              | Tami Sharma        |
| Kauleen            | MSc (PHY) 11         | 225110   | Informative                       | Kauleen            |
| Shwadeeka          | '                    | 225114   | Good                              | Shwadeeka          |

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Attendance cum feedback form  
Extension lecture by Dr. Vandna Luthra

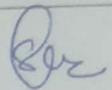
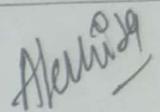
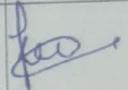
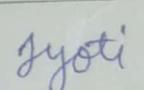
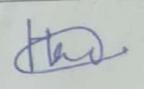
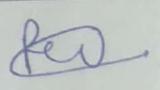
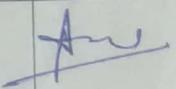
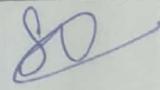
Dated: April 21, 2023

| Name of Student  | Class               | Roll no. | Feedback                               | Signature       |
|------------------|---------------------|----------|--|-----------------|
| Vibhuti Salavia  | MSc Phy<br>Sem IV   | 225129   | It was informative.                    | <u>Vibhuti</u>  |
| Vishali          | MSc Phy<br>Sem IV   | 225131   | It was good                            | <u>Vishali</u>  |
| Anchal Pathania  | MSc Phy<br>Sem IV   | 225130   | Learned about<br>Computational Physics | <u>Anchal</u>   |
| Nandita Pathania | MSc. Phy<br>Sem IV  | 225126   | It was good                            | <u>Nandita</u>  |
| Vindu Sunkhla    | M.Sc. Phy<br>Sem IV | 225132   | Informative                            | <u>Vindu</u>    |
| Gagandeep Kaur   | mSc-Phy<br>Sem IV   | 225127   | It was good                            | <u>Gagan</u>    |
| Anshuman         | MSc Phy<br>Sem 4    | 225128   | informative                            | <u>Anshuman</u> |
|                  |                     |          |  |                 |
|                  |                     |          |  |                 |

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**Attendance cum feedback form**  
**Extension lecture by Dr. Vandna Luthra**

Dated: April 21, 2023

| Name of Student | Class               | Roll no. | Feedback                      | Signature   |
|-----------------|---------------------|----------|-------------------------------|---|
| Sandup Kaur     | M.Sc (PHY)<br>Sem 2 | 225113   | It was an informative session |    |
| Akshita         | MSc Phy<br>Sem-2    | 225115   | It was very valuable          |    |
| Kasak Arora.    | B.Sc. (N-M)<br>II   | 224701   | It was informative.           |    |
| Jyoti           | B.Sc (C.S)<br>II    | 224405   | It was valuable               |   |
| Harpreet Kaur   | B.Sc (C.S)<br>II    | 224406   | It was valuable               |  |
| Palak           | B.Sc. (C.S)<br>II   | 224407   | It was informative            |  |
| Anamika         | B.Sc.(C.S)<br>II    | 224404   | It was informative.           |  |
| Simmi           | B.Sc (C.S)<br>II    | 224402   | It was valuable               |  |
|                 |                     |          |                               |   |

Principal  
Kanya Maha Vidyalaya  
Jalandhar

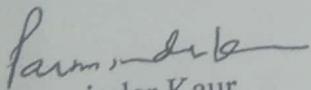
Subject: Permission to pay an honorarium to resource person for an expert talk.

Respected Madam

I wish to bring to your kind notice that Dr Vandana Luhtra, Professor, Department of Physics, Gargi College, Delhi University, has been invited as a guest speaker who will be deliver a lecture on 'Basics of Computational Physics and career opportunities in interdisciplinary fields' on April 21, 2023. Kindly allow to pay an honorarium of Rupees 5000/- to Dr Vandana Luhtra, Professor Department of Physics, Gargi College, Delhi University, for her expert talk . We believe that the guest speaker's expertise and insights will be of great value to our students and we want to express our appreciation for her time and effort.

Thank you for your consideration of this request.

Sincerely

  
Parminder Kaur

Head, Department of Physics

