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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

Vidyalaya Marg,
JALANDHAR-144 004.

Ref No. KMV/ 2463

Date 17-3-2023

Authority Letter

To whom it may concern

Following seven students of Kanya Maha Vidyalaya, Jalandhar along with two faculty members Dr. Manmohan Singh and Ms. Shivani Nayyar from PG Department of Physics will be visiting National Physical Laboratory (NPL), Delhi from 27th to 28th of March 2023 for two days training.

List of students:

1. Ms. Haramanpreet Kaur, M.Sc Sem II
2. Ms. Nandita pathania, M.Sc Sem IV
3. Ms. Gagandeep Kaur, M.Sc Sem IV
4. Ms. Anshuman Saluja, M.Sc Sem IV
5. Ms. Vibuti Salaria, M.Sc Sem IV
6. Ms. Anchal Pathania, M.Sc Sem IV
7. Ms. Vindu Soumkhla, M.Sc Sem IV

Principal

Kanya Maha Vidyalaya
Kanya Maha Vidyalaya
Jalandhar

Physics Students attended two days training programme at NPL, New Delhi

27 to 28 March, 2023,

Kanya Maha Vidyalaya is dedicated to science and research, with a vision of guiding its students in the field of research. Under this umbrella a two day training program, from 27 to 28 March, 2023, was organised by P.G. Department of Physics Kanya Maha Vidyalaya for students of MSc physics at National Physics Laboratory Delhi. National Physical Laboratory (NPL) is India's National Metrology Institute (NMI) responsible for developing and maintaining the national primary measurement standards as well as collaborating with other NMIs to maintain the international system of measurements. During the two days training, students were familiarized with various techniques used for material characterization along with details about their applications and future scope. On the first day, Scanning Electron Microscope (SEM) And X ray Fluorescence spectrometer (XRF) were demonstrated. On the second day, students were introduced to X-Ray Diffractometer, Dynamic Ray Scattering Zetasizer and Magnetic Rheology. Students also got the chance to meet with the senior principal scientist and Head, Bhartiya Nirdeshak Dravya (BND), Dr. Nahar Singh who engaged the students in an interesting and informative talk motivating students in the field of research. This two-day training proved to be very beneficial and informative for the students and they learnt about important techniques that would aid their future in scientific research and their advancements will prove beneficial for the nation. Madam Principal Prof. Dr. Atima Sharma Dwivedi appreciated the efforts of P.G. Department of Physics 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 research.

Day 1



Sample preparation for SEM



X-Ray Fluorescence

DAY 2





KMV students with BND Head Dr. Nahar Singh and other Trainers.



CSIR - NATIONAL PHYSICAL LABORATORY

Dr. K.S. Krishnan Road, New Delhi-110012



CERTIFICATE

This is to certify that **Ms. Haramanpreet Kaur, Student, Kanya Maha Vidyalaya, Jalandhar** has successfully completed the training programme on **Instruments Pertaining to Material Characterizations** organized by CSIR-National Physical Laboratory, New Delhi from **27th to 28th March, 2023.**

(Paramita Guha)
Technical Coordinator



CSIR Integrated Skill Initiative

Director

संस्था प्रमुख / अधिकांश निदेशक
CSIR - National Physical Laboratory
Dr. K. S. Krishnan Road, New Delhi-110012

No. 7.07/22-23/S-1/601



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Dr. K.S. Krishnan Road, New Delhi-110012



CERTIFICATE

This is to certify that **Ms. Nandita Pathania, Student, Kanya Maha Vidyalaya, Jalandhar** has successfully completed the training programme on **Instruments Pertaining to Material Characterizations** organized by CSIR-National Physical Laboratory, New Delhi from **27th to 28th March, 2023.**

(Paramita Guha)
Technical Coordinator



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CERTIFICATE

This is to certify that **Ms. Gagandeep Kaur, Student, Kanya Maha Vidyalaya, Jalandhar** has successfully completed the training programme on **Instruments Pertaining to Material Characterizations** organized by CSIR-National Physical Laboratory, New Delhi from **27th to 28th March, 2023.**

**(Paramita Guha)
Technical Coordinator**



Director

No. 7.07/22-23/S-1/603

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CERTIFICATE

This is to certify that **Ms. Anshuman Saluja, Student, Kanya Maha Vidyalaya, Jalandhar** has successfully completed the training programme on **Instruments Pertaining to Material Characterizations** organized by CSIR-National Physical Laboratory, New Delhi from **27th to 28th March, 2023.**

**(Paramita Guha)
Technical Coordinator**



Director

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CERTIFICATE

This is to certify that **Ms. Vindu Sounkhla**, Student, **Kanya Maha Vidyalaya, Jalandhar** has successfully completed the training programme on **Instruments Pertaining to Material Characterizations** organized by CSIR-National Physical Laboratory, New Delhi from **27th to 28th March, 2023**.

(Paramita Guha)
Technical Coordinator



Director

संयोजक निदेश - / Officiating Director
श्री. एच. एन. अर-एनडी नेशनल भौतिक प्रयोगशाला
CSIR-National Physical Laboratory
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