

# हंसराज महाविद्यालय

दिल्ली विश्वविद्यालय  
महात्मा हंसराज मार्ग,  
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# HANS RAJ COLLEGE

UNIVERSITY OF DELHI  
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**NAAC ACCREDITED 'A++' GRADE COLLEGE**

**2022-2023**

**Name of the Department/Society: LUMEN Society**

**Name of the Event: Departmental Trip to National Physical Laboratory, Delhi and National Science Centre, Delhi**

**Date of the Event: 28/09/2022**

**Convenor of the Department/Society: Dr. Amit Sehgal and Dr. Pradeep Kumar**

Description of the event

The departmental trip of Lumen: The Physics and Electronics Society, Hansraj College, University of Delhi was organised on 28 September 2022 on the occasion of Council of Scientific and Industrial Research -National Physics Laboratory Open Day (Jigyasaa). A group of 30 students of Physics and Electronics Department along with the Conveners of LUMEN, Dr. Amit Sehgal, Dr. Pradeep Kumar and accompanied by Dr. Ravikant Prasad visited the CSIR-NPL and the National Science Centre, New Delhi. The mode of travel was college bus and can be seen in photograph 1 and 2. The trip was organized by the departmental society LUMEN in collaboration with Internal Quality Assurance Cell (IQAC) and Research and Development Cell (RDC).

The group filled with enthusiasm reached NPL and was received warmly by the learned volunteers of the laboratory. Firstly, the students reached **The Solar Park where they were informed about the functioning of the park along with about the solar cells.** The group then moved to the **Liquid Flow Laboratory to understand about the mechanism of precise and accurate fluid flow.** The group was filled with awe and excitement after looking at the large machines and infrastructure which were present at the laboratory. The students then moved towards the **Advanced Carbon Products Lab where they were informed about the various uses of Carbon fibre to make better, cost-effective and lighter products such as rods for body, body-armours, inflammable fibres etc.** The next stop was the **Liquid Helium plant where the learned Scientist explained about the Cryogenics field, about the plant and its various projects, the group then witnessed an exciting demonstration of liquid Nitrogen and some of its applications.**

CSIR-NPL also organised refreshments for the students and the feedback by the students was also welcomed by the organisers at the end.

After this enlightening experience the group then filled with excitement visited the National Science Centre where the various exhibits intrigued the curiosity of the group and they appreciated the experience thoroughly.

In this manner the informative excursion was concluded, the day which started with enthusiasm ended with the same. The experiences will definitely continue to be a part of memories of the group for a long time.

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Brochure/Poster

**Educational Trip**  
On September 28, 2022  
by  
Lumen Society  
Department of Physics and Electronics  
Hansraj College, University of Delhi  
under the aegis of Research and Development Cell and IQAC

Dr Amit Sehgal Convener    Dr Pradeep Kumar Co-Convener    Dr Shivani Agarwal Coordinator    Ms Alka Kacker Director, RDC    Dr Mona Bhatnagar Director, IQAC    Prof Rama Principal

Geo-tagged photographs with captions.



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### List of participants

Roll No.	Name	Course
13676	Surya Narayan Singh	B.Sc. (Hons) Electronics
13694	Saksham Shivhare	B.Sc. (Hons) Electronics
13680	Abhishek Baranwal	B.Sc. (Hons) Electronics
13678	Gautam Kumar	B.Sc. (Hons) Electronics
13671	Sanidhya Baranwal	B.Sc. (Hons) Electronics
13674	Rakesh Kumar	B.Sc. (Hons) Electronics
13695	Jyoti Yadav	B.Sc. (Hons) Electronics
13652	Parvej Musharaf	B.Sc. (Hons) Electronics
13664	Sambhav jain	B.Sc. (Hons) Electronics

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13683	Aniket kumar	B.Sc. (Hons) Electronics
13655	Anish kumar	B.Sc. (Hons) Electronics
13703	Abhishek Lobyan	B.Sc. (Hons) Electronics
14237	PRIYANSHU SHUKLA	B.Sc. (Hons) Physics
14162	Nitesh Yadav	B.Sc. (Hons) Physics
14177	Shardha bera	B.Sc. (Hons) Physics

Roll No.	Name	Course
14243	Sanjay kumar	B.Sc. (Hons) Physics
14161	Ashutosh Joshi	B.Sc. (Hons) Physics
14153	Jatin Puspwan	B.Sc. (Hons) Physics
14214	Divesh Sevda	B.Sc. (Hons) Physics
14221	Keshav Kumar	B.Sc. (Hons) Physics
14233	Harsh	B.Sc. (Hons) Physics
14264	Taniya	B.Sc. (Hons) Physics
14186	Srishti	B.Sc. (Hons) Physics
14180	Priyanka Prajapat	B.Sc. (Hons) Physics
14248	Sachin Solanki	B.Sc. (Hons) Physics
14190	Utkarsh Asthana	B.Sc. (Hons) Physics
14247	Umesh Kumar	B.Sc. (Hons) Physics
14220	Akriti Vishwas	B.Sc. (Hons) Physics
14219	Swapnil Gupta	B.Sc. (Hons) Physics
14254	Kunwar Upvan	B.Sc. (Hons) Physics