



Department of Chemistry Government College Theog



Report on Exposure Visit of B.Sc. 1st Year Students Date: 11th August, 2025

Venue: Government College Chaura Maidan, Shimla

An exposure visit for the students of B.Sc. 1st Year was organized to Government College Chaura Maidan, Shimla on 11th August, 2025. The visit aimed to enhance the academic experience of students by providing them with practical insights and exposure to scientific developments and institutional environments.

The students participated in the celebration of National Space Day आयोजित at the host institution. The event featured engaging guest lectures and an informative documentary on India's space program, delivered by a resource person from IIRS Dehradun. The sessions provided valuable knowledge about the advancements and achievements of the Indian space program.

An exhibition showcasing space research by ISRO was also a major highlight of the visit. The students explored models and information related to significant missions such as Chandrayaan-1, Chandrayaan-2, and Aditya L1. This exhibition sparked curiosity and deepened their understanding of space science and technology.

The students who attended the visit included Anuj, Kritik, Samiksha, Vanshika, Suman, Shikha, Devender, and Anshita. They were accompanied by Dr. Vikas Nathan. Notably, Samiksha actively participated in the extempore competition आयोजित during the event, demonstrating confidence and enthusiasm.

In addition to the main event, the students also visited the Department of Chemistry of Government College Chaura Maidan, where they interacted with faculty members and observed laboratory facilities. The visit further included a brief educational tour of Shimla, enriching their overall experience.

Overall, the exposure visit proved to be highly informative and inspiring, providing students with valuable academic exposure, practical learning opportunities, and motivation to pursue scientific knowledge.

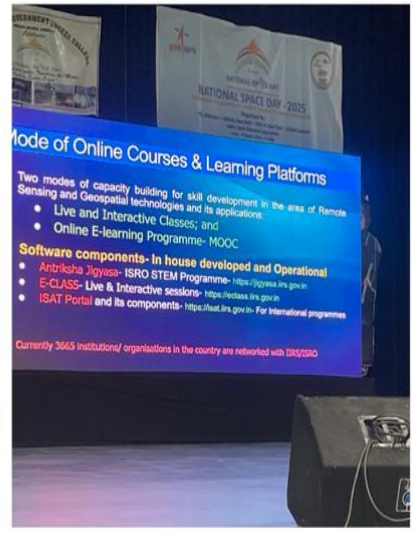
Dr. Vikas Nathan
Assistant Professor Chemistry



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Shimla, Himachal Pradesh, India
Chandale Road, Chaura Maidan, Shimla, Himachal Pradesh 171004, India
Lat: 31.106657, Long 77.151895
Date: 11/2025 02:48 PM GMT+05:30
Image captured by GPS Map Camera



Mode of Online Courses & Learning Platforms

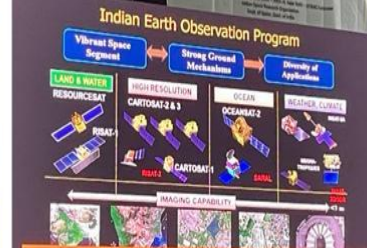
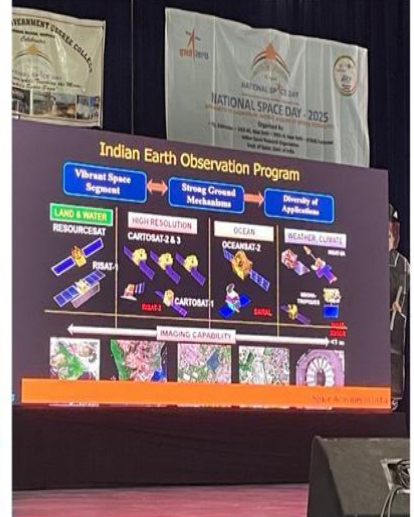
Two modes of capacity building for skill development in the area of Remote Sensing and Geospatial technologies and its applications

- Live and Interactive Classes; and
- Online E-learning Programme- MOOC

Software components- In house developed and Operational

- Anbriksha Jigyasa- ISRO STEM Programme- <https://jigyasa.isro.gov.in>
- E-CLASS- Live & Interactive sessions- <https://eclass.isro.gov.in>
- ISAT Portal and its components- <https://isat.isro.gov.in/> For International programmes

Currently 3665 institutions/ organisations in the country are networked with ISRO/ISRO



OUT OF THIS WORLD MISSION

The legendary journey from the earth to Mars' orbit

India's Mars Orbiter Mission (MOM) has been launched by ISRO on 24th November 2013. The mission is the first Indian interplanetary mission and the first Indian mission to Mars.

STAGES

- 1. LAUNCH: The Mars Orbiter Mission (MOM) is launched by the PSLV-C25 rocket on 24th November 2013.
- 2. TRANS: The MOM is in the transfer orbit towards Mars.
- 3. ORBIT: The MOM enters the Mars orbit on 24th September 2014.
- 4. MISSION: The MOM is in the Mars orbit for 6 months.
- 5. RETURN: The MOM is to be de-orbited and re-entered into the Earth's atmosphere.

PAYLOADS The first instruments will send home information about Mars

- 1. MARS COLOR CAMERAS: To send color pictures of Mars surface. The photos will post the international standard color calibration and will be used by other instruments on the orbiter and ground stations. It will also be used for documentation of the Martian terrain and the global weather.
- 2. MARS ATLAS: To send the maps of Mars surface. The maps will be used for navigation and for planning the ground stations.
- 3. THERMAL FREQUENCY SPECTROMETER: To study the surface composition of Mars. The spectrometer will be used to identify the minerals and to study the atmospheric composition.
- 4. MARS MICROSCOPIC ORBITER CAMERA: To send high-resolution images of Mars. The camera will be used to study the surface features and to identify the potential landing sites.
- 5. MARS THERMAL IMAGING SPECTROMETER: To study the surface temperature of Mars. The spectrometer will be used to study the diurnal and seasonal temperature variations.



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