

Dated: 17/10/2025

REPORT

Industrial Visit

“Council of Scientific and Industrial Research (CSIR)

National Physical Laboratory”

Date of Event: 17th October 2025

Venue: Council of Scientific and Industrial Research (CSIR) – National Physical Laboratory

Objectives: Students went through in-depth learning of the National Physical Laboratory and how it works in the real industry by the Council of Scientific and Industrial Research trainer.

Activities: Industrial Visit to CSIR

Key Takeaways:

- Introduction to Scientific Research and Industrial Applications
- Scope of Physical Sciences in Industry
- Advanced Instrumentation Techniques.
- Metrology and Precision Measurement
- Nanotechnology and Its Applications
- Environmental Monitoring and Sensors
- Material Characterization Techniques
- Quantum Metrology and Standards
- Cryogenics and Low-Temperature Physics
- Photonics and Laser Technology
- Renewable Energy Research and Development
- Surface Science and Thin Film Technology
- Research and Development Careers

Description:

The AIML department of ADGIPS organized an industrial visit on 17th October 2025 to the Council of Scientific and Industrial Research–National Physical Laboratory (CSIR–NPL). The visit was organized by the HOD of AIML Branch, Prof. (Dr.) Ankit Verma and Dr. Neha were the Faculty Co-coordinators for the industrial visit. We started traveling from the college campus at 10:30 am via our college bus. A total of 30 students, along with Dr. Neha Yadav and Ms. Shuchi Sharma, were there on the journey. This one-day industrial visit to CSIR–NPL was organized to provide students with in-depth knowledge about the latest advancements in physical sciences and their industrial applications. The visit aimed to offer practical insights into scientific research and promote career opportunities in various scientific fields.

Outcomes: The 30 students, along with 2 faculty members, benefited from the industrial visit.

Beneficiaries: AIML Students

Photographs of event with title: Industrial Visit to “Council of Scientific and Industrial Research (CSIR) – National Physical Laboratory”.





Ms. Shuchi Sharma
Dr. Neha Yadav
Event Organizer

Prof. (Dr.) Ankit Verma
Head of Department