



Dr. Akhilesh Das Gupta Institute of Professional Studies
New delhi

Report on Industrial Visit of Mechanical Department Students to National Institute of Solar Energy, Gurugram

Dated: 01/12//2023

Department Mechanical Department

Venue: National Institute of Solar Energy Gwal Pahari, Faridabad

Objective: To provide students with practical insights into solar energy technologies and their applications in the industry.

Activities: The industrial visit comprised several activities designed to enhance students' understanding of solar energy systems and their operational processes. The activities included:

a. Guided Tour

Students were given a guided tour of the NISE facility, where they observed various solar energy technologies such as photovoltaic panels, solar water heaters, and solar thermal systems. They were briefed on the functioning of each technology and its significance in the renewable energy sector.

b. Interactive Sessions

Interactive sessions were conducted by experts from NISE, covering topics such as solar energy generation, storage, and grid integration. Students had the opportunity to engage with industry professionals, ask questions, and clarify their doubts regarding solar energy systems and their practical implementation.

c. Demonstrations

Live demonstrations of solar energy equipment and installations were organized to provide students with hands-on experience. They witnessed the operation of solar panels, inverters, and other components, gaining valuable insights into the functioning and maintenance of these systems.

Benefit of ADGIPS in the event:

The industrial visit to NISE offered numerous benefits to the students:

a. Practical Exposure

Students gained practical exposure to state-of-the-art solar energy technologies, which complemented their theoretical knowledge acquired in the classroom. The hands-on experience helped them visualize concepts and understand the intricacies of solar energy systems.

b. Industry Insights

Interacting with industry experts provided students with valuable insights into the current trends, challenges, and advancements in the solar energy sector. They gained a deeper understanding of industry practices and emerging technologies, which can guide their future career paths.

c. Networking Opportunities

The visit facilitated networking opportunities with professionals and researchers working in the field of solar energy. Students could establish connections, seek guidance for future projects or research endeavors, and explore potential internship or job opportunities in the renewable energy industry.

Outcomes: The industrial visit had several positive outcomes for the students:

a. Enhanced Knowledge

Students acquired a comprehensive understanding of solar energy technologies, including their principles of operation, applications, and maintenance requirements. This knowledge broadened their perspective on renewable energy and its role in addressing environmental challenges.

b. Career Readiness

The exposure to real-world solar energy installations and interactions with industry professionals enhanced students' readiness for future careers in the renewable energy sector. They gained insights into the skills and competencies required to excel in this rapidly evolving industry.

c. Motivation and Inspiration

The visit served as a source of motivation and inspiration for students to pursue further studies or research in the field of renewable energy. Witnessing the practical applications of solar technology instilled a sense of purpose and responsibility towards contributing to sustainable development.

Beneficiaries: Faculties and students of ADGITM.

Photographs:

