

**Maharaja Surajmal Institute of Technology, New Delhi-110058**

**India Energy Week 2025**

**Report on Outreach activity to India Energy Week  
2025, Yashobhoomi, Dwarka, Delhi**

**India Energy Week 2025: Pioneering Sustainable Energy Solutions**

**India Energy Week 2025 Yashobhoomi – India International Convention &  
Expo Centre Sector 25, Dwarka, New Delhi, Delhi 110061**

**Name of the Expert**

Shri Hardeep Singh Puri, Union Minister of Petroleum and Natural Gas

**Date and Time**

February 13, 2025

**Attended Participants**

50 Students and 2 Faculty Members – Dr. Pooja Kherwa and Dr. Swati Malik



**Introduction**

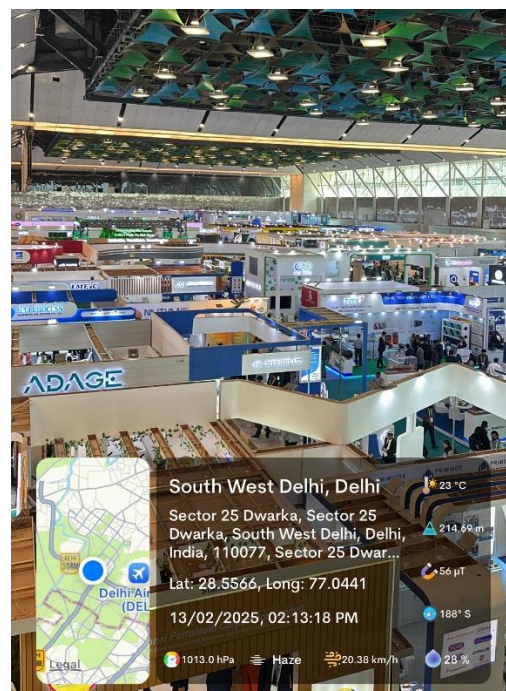
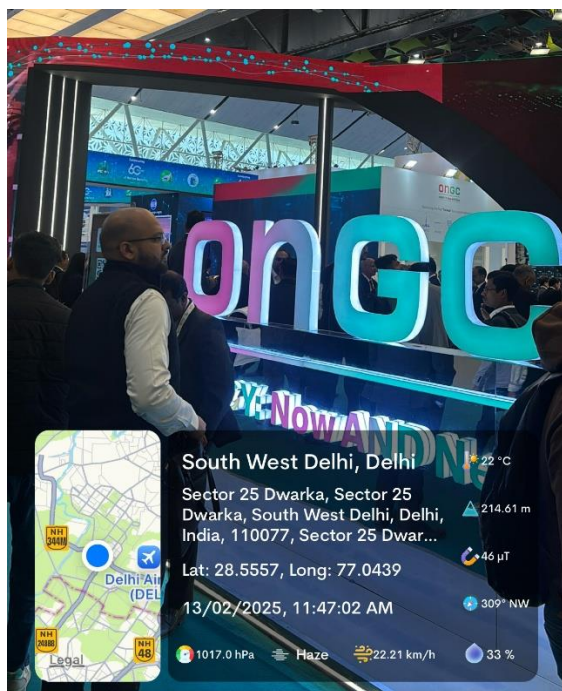
As part of the academic curriculum for the 5th and 3rd Semester students, an industrial visit was organized to attend the India Energy Week (IEW) 2025. This premier event, held from February 11 to 14, 2025, at Yashobhoomi – India International Convention & Expo Centre in Dwarka, New Delhi, served as a global platform for innovation, ideas, and investment aimed at accelerating the world's energy transition in a secure and sustainable manner.

The primary objectives of the visit were:

- To expose students to the latest advancements in the energy sector.
- To understand the role of sustainable practices in energy production and consumption.
- To explore career opportunities in the evolving energy industry.
- To gain hands-on experience with emerging technologies in the energy sector.
- To understand policy frameworks shaping the future of global energy.
- To interact with energy leaders and researchers working towards sustainable solutions.

## Event Overview

India Energy Week 2025 marked its third edition with unprecedented success, positioning India as a global energy leader. The event witnessed participation from over 70,000 visitors, 600 exhibitors, and ten international pavilions over four days. The exhibition spanned nine dedicated themes, showcasing cutting-edge innovations and facilitating policy discussions shaping the global energy sector. These themes included clean energy transitions, hydrogen economy, digital transformation, carbon capture, energy security, and sustainable fuels.



## Key Highlights

## 1. Inaugural Address by Shri Hardeep Singh Puri

The Union Minister of Petroleum and Natural Gas, Shri Hardeep Singh Puri, inaugurated the event, emphasizing India's commitment to driving global energy innovation and collaboration for a sustainable future. He outlined India's strategy in reducing dependency on fossil fuels while accelerating renewable energy integration.

## 2. Focus on Renewable Energy and Sustainability

IEW 2025 underscored India's dedication to renewable energy and sustainability. Discussions and exhibits highlighted advancements in green energy, biofuels, and compressed biogas (CBG), aligning with global efforts to combat climate change. Special sessions on offshore wind farms, hydrogen fuel, and solar energy advancements were held to educate participants on the latest trends in the sector.

## 3. Strategic Collaborations and Investments

The event facilitated strategic collaborations, including Bharat Petroleum Corporation Limited (BPCL) announcing a contract with Brazil's Petrobras for optional crude imports of 6 million barrels for 2025-26. This move aims to diversify crude sources and mitigate geopolitical risks. Additionally, major private sector players signed agreements to invest in green hydrogen and energy storage technologies to accelerate India's clean energy ambitions.

## 4. Petrochemical Industry Insights

Industry leaders discussed the resilience of India's petrochemical sector, projecting significant growth driven by demand for electric vehicle components, solar panels, and household appliances. Investments worth \$87 billion are anticipated over the next decade, aiming to elevate the sector's value from \$220 billion to \$300 billion by 2025. A dedicated panel also explored sustainability measures in refining processes and waste-to-energy technologies.



**Yashobhoomi – The Venue**

Yashobhoomi, officially known as the India International Convention & Expo Centre, is India's largest convention and exhibition center, inaugurated in September 2023. Spanning over 73,000 square meters in its first phase, the center boasts 15 convention rooms, including a main auditorium, a grand ballroom, and 13 meeting rooms, with a total capacity to host 11,000 attendees. The venue is equipped with state-of-the-art facilities, sustainable infrastructure, and is directly accessible via the Yashobhoomi Dwarka Sector 25 metro station. The exhibition halls showcased innovative solutions in energy efficiency, carbon capture, and grid modernization.

### Student Engagement and Learning Outcomes

During the visit, students had the opportunity to:

- Interact with industry experts and gain insights into the latest energy technologies.
- Participate in workshops and panel discussions on sustainable energy solutions.
- Explore various exhibits showcasing innovations in the energy sector.
- Attend specialized sessions on emerging trends in energy.
- Engage in networking opportunities with professionals from the global energy sector.
- Gain hands-on experience with cutting-edge energy technologies displayed by exhibitors.
- Participate in quizzes and competitions related to energy solutions and sustainability.
- Attend policy discussions on energy security and global carbon neutrality goals.
- Analyze case studies on successful renewable energy projects from different countries.
- Engage in career development sessions with hiring managers from the energy sector.

### Student Testimonials

Several students shared their key takeaways from the visit:

- *"The visit helped me understand the immense potential of renewable energy and the role India is playing in global sustainability efforts."* -Rishabh Khokher, 6th Semester
- *"I was fascinated by the advancements in hydrogen fuel technology and how it could revolutionize the energy industry in the coming years."* -Avishva Verma, 6th Semester
- *"Attending the policy discussions on energy security broadened my understanding of how governments and corporations work together to address climate challenges."* -Mona 6th Semester

- *"The networking opportunities were invaluable. I was able to interact with industry leaders and understand the career paths available in the energy sector."* - Ayushi, 6th Semester
- *"Seeing real-world applications of emerging energy technologies has inspired me to consider a career in renewable energy research."* -Dhanur Chahal ,6th Semester

This exposure provided students with a comprehensive understanding of the current trends and future prospects in the energy industry, inspiring many to consider careers in this vital sector. The students were also encouraged to participate in future research and innovation programs, contributing to India's energy revolution.

## Future of the Energy Industry

The energy sector is poised for significant transformation in the coming decades. Key developments expected to shape the future include:

- Increased integration of artificial intelligence in energy management.
- Expansion of hydrogen as an alternative fuel source.
- Growth in offshore wind energy projects.
- Enhanced policies and investments in electric mobility.
- Sustainable finance models to drive green energy initiatives.
- Innovations in carbon capture and sequestration to reduce greenhouse gas emissions.
- Deployment of decentralized renewable energy grids to provide power to remote areas.



## **Conclusion**

The industrial visit to India Energy Week 2025 was an enlightening experience, offering students a unique platform to observe and understand the dynamic landscape of the global energy sector. The event not only highlighted India's pivotal role in shaping the future of energy but also reinforced the importance of sustainable practices and innovation in achieving energy security and environmental stewardship.

The exposure gained from this visit will prove invaluable as students move forward in their careers. It has strengthened their understanding of industry trends, technological innovations, and professional pathways in the energy sector. With rapid technological advancements and increasing global commitments toward sustainability, students will play a crucial role in shaping the future of energy.

Faculty Coordinator

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