

**Office of Dean of Sustainability**  
**Thapar Institute of Engineering & Technology**  
**(Deemed to be University)**  
**Patiala – 147004 INDIA**

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**Activity:** Energy Awareness Lecture

**Topic:** Energy Awareness: Understanding Consumption, Conservation, and Future Challenges

**Speaker:** Dr. Hari Shankar Singh, Coordinator Sustainability, Associate Professor, DECE, TIET

**Location:** C-Hall, TIET

**Date:** 06 February 2025, Thursday

On **06<sup>th</sup> February 2025 (Thursday)**, the Office of the Dean of Sustainability, TIET, successfully organized an insightful lecture on **“Energy Awareness: Understanding Consumption, Conservation, and Future Challenges”**. The session aimed to aware faculty members, staff and students on the **critical role of energy sustainability** in addressing global environmental challenges. The session witnessed an enthusiastic participation of **faculty members, researchers, and students** from various disciplines. Total 120 and above are actively attended the lecture and actively engaged in discussions related to energy policies, technological advancements, and sustainability initiatives.

**Key Highlights of the Lecture:**

Dr. Hari Shankar Singh, researcher in the field of **Microwave Antennas and RF Energy Harvesting**, provided a comprehensive overview of:

**Global Energy Consumption Trends:** Analyzing current patterns and their implications.

**Challenges of Overconsumption:** Addressing issues such as excessive energy use, carbon footprint, and greenhouse gas emissions.

**Energy Conservation Strategies:** Practical insights into household energy management, efficient consumption, and the adoption of sustainable technologies.

**Role of Technology in Energy Efficiency:** Exploring innovative solutions, including smart grids and renewable energy sources.

**Sustainability in Institutional Practices:** Discussing how curriculum design, research initiatives, and community engagement can drive sustainability efforts.

## Photographs of the Event:



Lecture Delivered by Dr. Hari Shankar Singh

Participants during the Lecture Session

Participants during the Lecture Session

## Key Takeaways:

- ✓ The need for **energy-conscious behavior** at both individual and institutional levels.
- ✓ The importance of integrating **sustainability into academic programs and research**.
- ✓ The role of **technological advancements** in reducing energy wastage and improving efficiency.

## Conclusions:

The lecture provided valuable insights into the **pressing challenges of energy sustainability** and the need for **proactive measures** to ensure a greener future. In-depth analysis made the session highly informative and thought-provoking. The Office of the Dean of Sustainability expresses gratitude to all attendees, and the organizing team for making this event a success. Such discussions will continue to be a key part of TIET's mission toward **sustainable development and environmental responsibility**.

(Kulbir Singh)  
Associate Dean Sustainability

(Rafat Siddique)  
Dean Sustainability