

Sustainable Development Goal 11 (SDG 11)



1. Club Name : PSI Racing

Activity Title: Sustainable Mobility through Electric Off-Road Vehicle

This activity focused on developing an electric off-road vehicle to promote sustainable mobility, reducing dependence on fossil fuels through efficient design and environmentally responsible engineering.

Impact:

- Promotes **electric and clean mobility**
- Reduces **environmental impact**
- Supports **sustainable transportation solutions**
- Encourages **efficient and eco-friendly design**
- Supports development of **sustainable mobility systems**

2. Club Name: Electric Vehicles and Energy Resources (EVER)

Activity Title: Designing of Surveillance Drone (SDG 11: Sustainable Cities & Communities)

This project developed a surveying drone to provide fast, accurate, and cost-effective aerial mapping for applications such as urban planning, agriculture, and environmental monitoring, supporting sustainable land use and infrastructure planning.

Impact:

- **Participants: 5**
- Achieved **±5 cm mapping accuracy**
- Covered **10 hectares per flight** with **45 min endurance**
- Enabled **efficient data processing (2 hrs/1000 images)**
- Supports **smart and sustainable surveying solutions**



3. Club Name : Spic Macy

Activity Title: Preservation of Cultural Heritage

Conducted workshops and performances including Kathakali, Puppetry, and Terracotta to promote traditional arts and sustain cultural identity through experiential learning.

Impact:

- **Participants:** 150
- Increased awareness of **heritage conservation**
- Promoted **traditional arts and cultural practices**
- Encouraged **experiential cultural learning**



4. Club Name: League for Environmental Awareness and Protection (LEAP)

Activity Title: Plantation Drive at Police Station

LEAP, NIT Trichy, organized a plantation drive at a local police station to enhance green cover and promote environmental responsibility through community collaboration and sustainable practices.

Impact:

- **Participants: 50**
- **Planted 60 saplings**
- **Enhanced green cover in public spaces**
- **Strengthened student–community engagement**
- **Promotes environmental awareness in the community**



PLANTATION DRIVE

