



**SARVAJANIK
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**INSTITUTION'S
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(Ministry of HRD Initiative)



**SARVAJANIK UNIVERSITY
SARVAJANIK COLLEGE OF ENGINEERING & TECHNOLOGY**

R E P O R T of CELEBRATION

“National Energy Conservation Day (India)”

On

14th DECEMBER, 2024

ORGANIZED BY

IIC CELL SCET, Surat

**Dr. Shabbir S. Bohra
Faculty Coordinator**

**Dr. Utpal Pandya
President – IIC, SCET**

Event Highlights

The Team

Faculty Coordinator	: Dr. Shabbir S. Bohra
IIC Cell – SCET	: Dr. Utpal Pandya, President, IIC-SCET Dr. Dhruti Sharma, Convener, IIC- SCET

Details of Event

Event Type	: University / Institute Level Program
Event Platform	: Sarvajanik College of Engineering & Technology (SCET)
Category	: IIC - Celebration of National Energy Conservation Day (India) for Quarter -2 (2024-25)
Schedule	: 14 th December, 2024 (10:00 am to 02:00 pm) Electrical Laboratory, SCET
Aspirants	: UG students and faculty of Sarvajanik College of Engineering & Technology, SCET and Sarvajanik University (SU)
Accessibility	: Open to all (Students/Faculty members)

**NATIONAL ENERGY
CONSERVATION DAY**
DECEMBER 14



About the Event

Energy demand has risen dramatically due to the growth of industries, urbanisation, and population increase. This growth has depleted natural resources, raised carbon emissions, and created serious environmental problems like air pollution and climate change. Therefore, conserving energy is important. National Energy Conservation Day aims to raise awareness and encourage adopting energy-efficient practices to reduce environmental harm.

National Energy Conservation Day is observed on December 14 every year. The government of India established National Energy Conservation Day in 1991 to address the urgent need for better energy management and conservation. The initiative, led by the Ministry of Power, encourages citizens and businesses to use energy-saving methods.

Energy conservation is important for many reasons, such as protecting the environment, reducing living expenses, improving health, and promoting energy independence.

Celebrating this day shows India's energy policies, which include **Reducing Carbon Emissions, Economic Benefits, Resource Management and Public Awareness**. Programmes are held on this day to teach people how to save energy in their daily lives, creating a culture of conservation.

Institution's Innovation Council (IIC) program is initiative of Ministry of Education (MoE) through MoE's Innovation Cell (MIC) in collaboration with AICTE for Higher Educational Institutions (HEIs) to systematically foster the culture of innovation and start-up ecosystem in education institutions.

To celebrate this day, the department of Electrical Engineering has organized one day workshop-to celebrate "National Energy Conservation Day (India)". In this workshop students have to showcase their ideas targeting either conservation of energy or projects promoting use renewable energy sources.

In this event around 25 students in six groups have participated and demonstrated various concepts, working models and prototypes as well. The details of projects are given below:

Group	Students Name	Project Title
Group 1	Harshit Singh	Agriculture Rover Prototype
	Krishn Naik	
	Balark Mehta	
	Ninad Shastri	
Group 2	Yash Chotaliya	Dynamic Wireless Power Transfer
	Aryan Rabadiya	
	Isha Jasoliya	
Group 3	Mitesh Makwana	Renewable Energy Management System
	Harsh Patel	
	Joy Patel	
	Yusuf Salehbhai	
Group 4	Ketul Desai	Solar Panel Cleaning Machine
	Shalin Patel	
	Neel Modi	
	Kamal Patel	
Group 5	Jaimin Patel	Obstacle Detection and Collision Warning
	Jigar Fijiwala	
	Tejash Somani	
Group 6	Tej Desai	Solar Powered Parking Port for EV (Two-wheelers) (Campus students Only)
	Hitarth Lekhadia	
	Kenil Lathiya	
	Dharmi Rajpara	
Group 7	Smit Prajapati	Intelligent control for Solar Powered EV Charging for Two-wheelers (Campus students Only)
	Preya Khalasi	
	Jainish Patel	
	Shubham Rana	

The students have participated enthusiastically and demonstrated their ideas with full of zeal. The students across institution of SCET and even other constituent colleges of **Sarvajanik University** have visited and appreciated this effort.

Outcome of Session

Such kind of workshop-celebration is very much useful to create and spread awareness about Energy usage, its impact on environment and need for its conservation among youth and budding technocrats.



Solar Power EV Charging



Solar Panel Cleaning Mechanism



Wireless Electric Vehicle Charging

Compiled and Prepared By

Dr. Shabbir S. Bohra