

MAKER BHAVAN FOUNDATION

VISHWAKARMA AWARDS

Finalists 2023

CLEAN TECHNOLOGY

Renewable Power Generation:

1. Vacuum Energy Storage System

Harini R, Krisnan.K, Sivakeerthana. S
Kumaraguru College of Technology

2. WINDSAGE

Samarth Sanganeria, Krishna Chaudhary, Sameer Atreya
IIT Bombay

3. Smart Charging Station

Vedant Deshmukh, Ketan Adling, Sahil Ghongade, Tejas Bhoir
G H Raison College of Engineering and Management, Pune

Reducing the Carbon Footprint:

1. Development of Sustainable Lightweight Concrete Utilizing Palm Oil Clinker for Low Carbon Footprint in India

Rajdeep Singh Devra, Urvish Shah
IIT Gandhinagar, Government Engineering College Gandhinagar

2. Golden Plastics

Rajdeep Singh Devra, Urvish Shah
IIT Gandhinagar, Government Engineering College Gandhinagar

3. A/C Duct Cleaning Robot

Keerthi Vasan E, Madala P Mahith Sai, Madan G , Nayandhara K
Sona College of Technology, Salem

4. Liquid Desiccant based Dehumidifier System

Anika Matanhelia, Shruti Prajapati, Praveen Goguloth, Mayur Tank
IIT Bombay

5. bioguard

Saunam Halder, Pranadipan Sahoo, Vedant Sanghavi, Aditya Gupta
IIT Hyderabad

6. Shield Brick

Anshu Ratan, Tarun Soni
IIT Indore

SMART MOBILITY

Unmanned Vehicles -Airborne or Underwater with Targeting Capabilities:

1. ROV-Remote Operated Underwater Vehicle

Saket Joshi, Sanskruti Gondaliya
Nirma University ITNU

2. AeroWalker

Manas Agrawal, Vraj Kanubhai Patel, Yogesh Kumar Dangi
IIT Bombay

3. Unmanned Airship in Disaster Management

Henil Agrawal, Soham Patil, Aryan Gargi, Taha Kachwala
IIT Bombay

4. SQUADRON: Heterogeneous Swarm Technology

Aryank, Anjali
IIT Bombay

Satellite Technology:

1. Vehicle Tracking System with Anti Theft ,SOS & Accident Alert Technology

Arbaz Hasan,Suja Rehaman,Tathogatho Sarkar,Sankalp Rath
Kalinga Institute of Industrial Technology

WATER & SANITATION

Measuring Instrument:

1. **Development of a low-cost ESP32-based real-time water monitoring system with hybrid power management and remote data accessibility**

Satyam, Tarun Gangar
IIT Guwahati

Purification of Water:

1. **Self-Cleaning Water Dispenser**

Tanvi Dixit, Riya Bansal
IIT Gandhinagar

2. **Emulsion Separator (A wastewater treatment technology for removal of oil from effluent)**

Jyotiraman De, Dharmveer Yadav
IIT Bombay

3. **Enzyme enabled biochar derived from spent mushroom waste offers innovative, cost-effective, and sustainable approach in degradation of flouroquinolone antibiotics**

Anamika Ghose, Nuzelu. V, Debaditya Gupta, Sonu S S
IIT Guwahati

Smart Agriculture for Optimized Water Use:

1. **Indigenous Web based Smart Irrigation cum Nutrients supply System for Indian Farmers**

Pradeep Kumar, Piyush Rai, Rahul Anthwal, Rakesh Kumar
IIT Varanasi (BHU)

2. **Penta-Agro Pradeep**

R Pradeep, A Thirumani Akash
Prince Shri Venkateshwara Padmavathy Engineering College

Water Conservation:

1. **Pushpak**

Mohit Kumar Gupta , Jatin Jain, Anurag Meena ,Harishit Sharma
College of Technology and Engineering, Udaipur