

## Student Led Society Engaged with Sustainability at Parul University

At Parul University, **student-led society** plays a pivotal role in advancing the university's sustainability agenda, engaging in diverse yet interconnected aspects of environmental and social development.

The **Green Energy Club** is at the forefront of environmental stewardship, leading initiatives such as **tree plantation drives**, **waste segregation campaigns**, and awareness activities during key observances like **World Environment Day** and **Van Mahotsav**. Through hands-on eco-workshops, street plays, and campus clean-up drives, the club inspires the university community to adopt environmentally conscious practices.

On the social front, the **Wellness and Social Responsibility Club**, along with **Your-Dost**, focuses on individual and community well-being—an essential part of sustainable living. Their initiatives include **mental health awareness**, **yoga sessions**, **health camps**, and campaigns on **menstrual hygiene** and **nutrition**. These societies also spearhead **social outreach programs** that promote inclusivity, gender equality, and community development.

Together, these student-led societies at Parul University represent a **holistic approach to sustainability**, emphasizing the importance of both a healthy planet and a thriving society. Their collaborative efforts foster a culture of **responsible citizenship**, preparing students to become proactive, sustainability-driven leaders for a better future.

### List of Students' Club :

- **Indian Water Works Association (IWWA)**
- **Green Energy Club - Energy Swaraj Foundation**
- **Social Responsive Club**

### **Sample of various activities organized by Students' club:**

#### **Indian Water Works Association (IWWA)**

On October 13, 2023, members of the Indian Water Works Association (IWWA) Student Chapter from Parul University visited the water treatment plant in Dabhoi, organized by the IWWA Baroda Chapter. The primary objective of the visit was to provide students with practical exposure and a deeper understanding of the plant's functioning. During the visit, students explored the various processes, operations, and technologies involved in water treatment. This educational tour aimed to bridge the gap between theoretical knowledge and real-world application, enhancing the students' awareness of sustainable water management practices and the critical role such infrastructure plays in environmental conservation.

#### **Glimpses of visit and club activities**



### Green Energy Club - Energy Swaraj Foundation

On March 16, 2023, the Civil and Aeronautical Engineering Department at Parul University, in collaboration with the Energy Swaraj Foundation, conducted an Energy Literacy Training program. The primary goal of the event was to educate and empower students with essential knowledge about sustainable energy practices. The training highlighted the significance of renewable energy and its applications within the fields of civil and aeronautical engineering. By fostering awareness and practical understanding, the program aimed to inspire students to adopt sustainable energy solutions in their future professional endeavors, promoting responsible energy usage and environmental consciousness.







## Activities of Social Responsive Club under the Sakshamthad Foundation

### Environment Awareness at Kumarshala, Waghodia.

The Environment Awareness Program celebrated the Van Mahotsav 2023 event under Sakshamthad Foundation at Kumar Primary School in Waghodia. The program's aim is to create awareness among the community about the importance of conserving the environment, particularly focusing on the significance of forest trees. The event was coordinated by Prof. Rina Choksi and Priyanka Mehata and their team from Parul Institute of Engineering and Technology, with the participation of students from Parul University who delivered insightful presentations.



Expressing the creativity on the Environmental day; Poster making competition organized by team



#### E-Waste Collection Drive :

Parul Institute of Engineering & Technology Diploma Studies, in a commendable effort to promote environmental sustainability, has organized an E-Waste Collection Drive in collaboration with M/S Unicare E-Waste Recycler. The drive, held on June 3rd and 4th, 2024, aimed to responsibly collect and dispose of electronic waste generated within the campus and the surrounding community. By partnering with the reputable e-waste recycler, M/S Unicare, the institute ensured that collected items were recycled in an environmentally-friendly manner.



### **Bird Watching and Plastic Waste Collection Drive at Timbi Lake (Rotary Club of Baroda Greens and SRC)**

A team of Parul Institute of Engineering & technology Diploma Studies College, Parul University conducted "Bird watching and Plastic waste collection drive" on 2nd February 2024 at Timbi Lake in Collaboration with Rotary Club of Baroda Greens and SRC. The major objectives were, Plastic pollution presents a three-fold threat to birds, entanglement in fishing gear and other plastic litter is the most visible but affects fewer individuals. Ingestion of plastic waste is more pervasive and can affect large proportions of some species. Birds mistake plastic as food causing them to starve to death as their stomachs fill up with indigestible plastic. As a result, we have collected 60 kg of Plastic waste.





### Swachh Parul University Abhiyan Awareness Campaign:

Parul Institute of Physiotherapy, in collaboration with the Sakshamthad Foundation, organized an impactful 'Swachh PU Abhiyan' Awareness Campaign on June 6th, 2023. The campaign focused on the theme of solid waste management, emphasizing the importance of achieving sustainable and holistic waste management practices to reduce the university's environmental footprint and provide a safe and healthy work environment for its teaching and non-teaching employees, as well as students. The session was designed to sensitize the participants on the significance of effective waste management and the role they can play in promoting a cleaner and more sustainable campus.



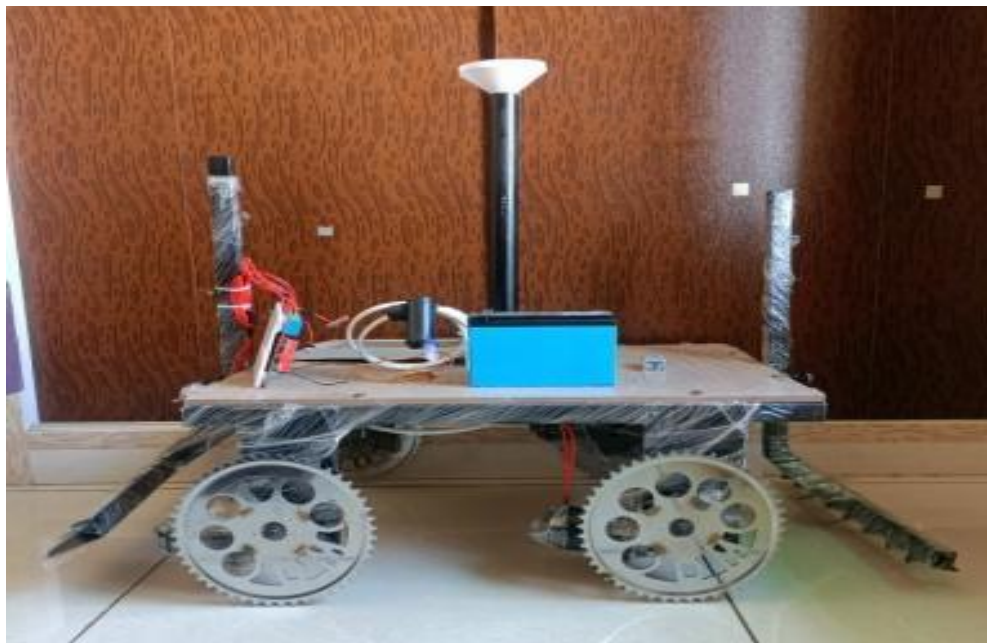


## Remote Control Based Agriculture Robot :





The project aims to develop multifunctional agricultural equipment capable of performing sowing, fertilizing, and leveling in one setup, and weeding and weedicide spraying in another. Suitable for all seed-to-seed crop cultivation, it operates automatically once pulled, whether by animals or tractors. The design emphasizes creativity through line sowing and fertilizing for cereals and other crops. It enables inter-cultivation tasks like leveling beds, crushing clods, collecting uprooted weeds, and aerating the soil. A chain and sprocket mechanism, driven by the front wheel, powers the spraying system, making the unit efficient and adaptable for various farming needs.



This eco-friendly equipment requires no external energy source, making it economical and accessible for farmers. It reduces air and water pollution, improves soil by minimizing evaporation and enhancing water infiltration, and controls runoff. Socially, it lowers electricity costs and supports farmers lacking access to advanced agricultural tools.

**Taking steps towards sustainability Agriculture by making Fertilizer out of natural resources:**



Agriculture plays a vital role in our economy and daily lives, making food safety and nutrition a top priority. Eighth-semester students from the Faculty of Agriculture participated in an organic fertilizer-making event, where they used Pusa Capsule Decomposers to convert cow dung into nutrient-rich compost. This demonstrated the effectiveness of the decomposers and their potential for widespread household use. These students are committed to developing innovative technologies and sustainable methods to advance agriculture. Parul University proudly supports and nurtures these future leaders, encouraging them to contribute meaningfully to the agricultural sector and promote eco-friendly farming practices.

### Ecoban Compost:

At Parul University, sustainable waste management is promoted through the use of a composting machine that converts kitchen and organic waste into compost, reducing waste and encouraging eco-friendly practices among residents. Alongside this, Ecoban compost is being introduced and used as an organic fertilizer for campus gardening. The compost enriches the soil, supports healthy plant growth, and reduces dependency on chemical fertilizers, reflecting the university's commitment to environmental sustainability and green campus development.

