

# A Report on HACKATHON World Environment Day 2025



Organized by  
SSIP Cell, L. D. College of Engineering  
5<sup>th</sup> June 2025  
Tagore Hall (I.C. Department), LDCE

## INTRODUCTION

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L.D. College of Engineering, SSIP Cell and Plastic Technology department, organized a One-day Hackathon on World Environment Day 2025 on 5th June at Tagore Hall, IC Department, Building No. 2, LDCE, Ahmedabad.

The event commenced with a registration and inaugural ceremony graced by event coordinators, Dr. Manish Thakker, SSIP Coordinator and HoD, IC Eng., Department, Dr. Mihir Vasavda, Assistant Professor, Electrical Eng. Department, Prof. Kintu Jain, Assistant Professor, Plastic Technology Department, along with student volunteers and faculty members of LDCE.

### Objective:

To encourage innovative, technology-driven solutions aimed at addressing plastic pollution through the development of sustainable alternatives, efficient waste management systems, and digital tools to aid in recycling and segregation efforts.



*Group Photo with participants and event co-ordinators*



*Inaugural ceremony*

## PROGRAM SCHEDULE

Time	Activity
10:00 am to 10:30 am	Registration
10:30 am to 11:00 am	Team space allocation
11:00 am onwards	Problem statement Solution
12:00 am to 1:00 pm	Preliminary Jury Round
1:00 pm to 1:45 pm	Lunch Break
1:45 pm onwards	Work on Problem statement
3:00 pm to 4:00 pm	Final Jury Round
4:30 pm	Valedictory Session

### Themes/Problem Statements:

#### 1. Develop Alternatives to Single-Use Plastics

Participants proposed biodegradable, reusable, or edible alternatives to common single-use plastic items like straws, bags, and packaging materials.

#### 2. Propose Plastic Waste Collection or Recycling Systems

Teams designed models for decentralized or community-based collection systems, incentivized return schemes, and mobile collection units for remote areas.

#### 3. Build apps or IoT-based monitoring solutions to reduce/segregate/recycle plastic waste.

Solutions included mobile apps for tracking waste generation, smart bins using sensors to segregate waste, and data dashboards for municipal waste tracking.

### Participation:

- A total of 11 teams registered and presented their ideas and prototypes from various departments.
- The event was judged by experts from academia, industry, and environmental NGOs.



*Participants presenting their ideas and working on their problem statement*

#### **Outcomes:**

- Teams were evaluated on the basis of-
  - Solution Approach,
  - Criticality / Impact / Ambitiousness
  - Technology / Innovation
  - Plan / Execution / Demo and User Experience
- Top 3 teams were awarded with certificates for their impactful and feasible solutions.
- Promising ideas were selected for further incubation support under the institute's innovation and startup cell.
- The hackathon fostered awareness and inspired youth-led action toward sustainable Plastic waste management.





*Participants presenting their ideas in front of jury members*

### Conclusion:

The Hackathon served as a dynamic platform for young innovators to contribute toward environmental sustainability. It highlighted the power of collaboration and technology in combating the Global Plastic Waste Management, aligning with the spirit of World Environment Day 2025.

The list of faculties who served as Jury members for this event-

Sr. No	Name of Faculty	Designation	Department
1	Prof. Bharati G. Basantani	Associate Professor	Plastic Technology
2	Prof. Bhakti Patel	Assistant Professor	Rubber Technology
3	Prof. Alka J Patel	Assistant Professor	Information Technology
4	Prof. Yagni Rami	Assistant Professor	Environment Engineering
5	Prof. Nikita Ambegaonkar	Assistant Professor	Chemical Engineering
6.	Prof. Hetal Pandya	Assistant Professor	Computer Engineering

### List of Committee Members

Sr. No	Name of Committee	Faculty Members	Department
1	Coordinators	Dr. Manish Thakker Dr.Mihir Vasavda Prof.Kintu Jain	IC Electrical Plastic
2	Team Registration, certificate and attendance record, Photo & Report preparation, Uploading over Portal and LD website, Media Report	Prof.Yagni rami Prof.Rituraj Choube Prof. Hetal Shah Prof.M.D Chaudhari	Env. Auto Plastic Mech
3	Juries- coordination, Escorting, Refreshment, Financial Approval	Prof.Stuti Shah Prof.Bina Patel	Plastic Env.
4	Refreshments Committee (Lunch & Water)	Prof.Tejas Patel Prof.Pratik Patel	Electrical Chem.

## LIST OF WINNERS

Team No	Name of the Team	Name of Team Leader	Enrollment Number of Team Leader	Sem	Department of Team Leader	Mentor	Winner
7	Sustainable Futures	Sahil Prajapati	220280126006	Sem 6	Rubber Technology	Prof. Sunil Padhiyar Rubber Technology	FIRST
		Maulik Chauhan	230280788001	Sem 4	Rubber Technology		
2	Ash to Ink	Shirke Kirtan	230283123031	Sem 6	Plastic Technology	Prof. Hetal Shah Plastic Technology	SECOND
		Rakesh Patil	230283123027	Sem 6	Plastic Technology		
		Riyaz Khalifa	230283123010	Sem 6	Plastic Technology		
		Maurya Himanshee	230283123015	Sem 6	Plastic Technology		
		Martin Maisuriya	230283123012	Sem 6	Plastic Technology		
8	Greenbinders	Poornima Suthar	230280113045	Sem 4	Environment	Prof. Amruta Kuhikar Env.Eng	THIRD
		Hardi Shah	230280113057	Sem 4	Environment		
		Samay Parekh	240283113017	Sem 4	Environment		
		Dhruvil Vora	240283113023	Sem 4	Environment		
		Shivam Soni	240283113021	Sem 4	Environment		
		Bless Macwan	240283113008	Sem 4	Environment		

### LIST OF TEAMS REGISTERED

Sr. No.	Name of the Team (Ideally one word)	Name of Team Leader	Enrollment Number of Team Leader	Sem	Department of Team Leader	Mentor
1	Reclaimers	Yadav Vikas Gangaram	230283123037	Sem 6	Plastic Tech.	Prof.Stuti Shah Plastic Technology
		VK Vipul Dhan Bahadur	230283123033	Sem 6	Plastic Tech.	
		Mistry Vivek kamleshkumar	220280123002	Sem 6	Plastic Tech.	
		Poddar Ajaykumar sarwan	220280123005	Sem 6	Plastic Tech.	
2	Ash to Ink	Shirke Kirtan	230283123031	Sem 6	Plastic Tech.	Prof.Hetal Shah Plastic Technology
		Rakesh Patil	230283123027	Sem 6	Plastic Tech.	
		Riyaz Khalifa	230283123010	Sem 6	Plastic Tech.	
		Maurya Himanshee	230283123015	Sem 6	Plastic Tech.	
		Martin Maisuriya	230283123012	Sem 6	Plastic Tech.	
3	Plantrify	Kush M Panchal	240280123015	Sem 2	Plastic Tech.	Prof.Stuti Shah & Prof. Hetal Shah Plastic Tech
4	Cleanbage	Deep Kapadiya	230280107062	Sem 4	Computer Eng	Prof.Vishwa Shah Environmental Eng.
		Marj Vyas	230280107071	Sem 4	Computer Eng	
5	Plastic waste recycling	Vikram singh	230283123036	Sem 6	Plastic Tech.	Prof. Kintu Jain Plastic Technology
		Dhara sharma	230283123030	Sem 6	Plastic Tech.	
		Jeel shah	230283123008	Sem 6	Plastic Tech.	
		Ankur patel	230283123018	Sem 6	Plastic Tech.	
6	EcoSheet	Raval Tirth Kalpeshkumar	230280119115	Sem 4	Mechanical Eng.	Dr. A G Momin Mechanical Engineering
		Patel Kris Pravinbhai	240283119012	Sem 4	Mechanical Eng.	
		Gajjar Rohan kirtibhai	230280119116	Sem 4	Mechanical Eng.	
		Ranoliya Kishan Mahendrabhai	230280119108	Sem 4	Mechanical Eng.	
		Rathod harshit anilbhai	230280119109	Sem 4	Mechanical Eng.	
		Raval Tirth Kalpeshkumar	230280119115	Sem 4	Mechanical Eng.	
7	Sustainable Futures	Sahil Prajapati	220280126006	Sem 6	Rubber Tech.	Prof. Sunil Padhiyar Rubber
		Maulik Chauhan	230280788001	Sem 4	Rubber Tech.	
8	Greenbinders	Poornima Suthar	230280113045	Sem 4	Environment	



		Hardi Shah	230280113057	Sem 4	Environment	Prof. Amruta Kuhikar Env.Eng
		Samay Parekh	240283113017	Sem 4	Environment	
		Dhruvil Vora	240283113023	Sem 4	Environment	
		Shivam Soni	240283113021	Sem 4	Environment	
		Bless Macwan	240283113008	Sem 4	Environment	
9	Hack Hustlers	Ansh Shrivastav	220280116129	Sem 6	Information Technology	Prof. Nirjari Desai Information Technology
		Ronak Sharma	220280116128	Sem 6	Information Technology	
		Shubham Bera	220280116009	Sem 6	Information Technology	
		Dhaval Rathod	22080116110	Sem 6	Information Technology	
		Dhruv Suvagiya	220280116135	Sem 6	Information Technology	
		Divy Shah	220280141009	Sem 6	Robotics and automation	
10	Replast	Dharmik Vaghela	240283105011	SEM 4	Chemical Engineering	Prof. Monika Vyas Mechanical Engineering
		Pradeep Suthar	220280129004	Sem 6	Textile Engineering	
		Aayushi Patel	230280113002	SEM 4	Environmental Engineering	
		Daxini Krishna Hemant	230283119003	Sem 6	Mechanical Engg	
11	Segrotech	Kirtan R Parekh	230283119017	Sem 6	Mechanical Engg	Prof. Monika Vyas Mechanical Engineering
		Agravat Harsh Rasikbhai	230283119001	Sem 6	Mechanical Engg	
		Meet Vinodbhai Parmar	230283119020	Sem 6	Mechanical Engg	
		Jheel Jhala	220280141015	Sem 6	Robotics & Automation	
		Sparsh Gupta	220280141061	Sem 6	Robotics & Automation	

## SOCIAL MEDIA COVERAGE



Successful Hackathon Event on World Environment Day!!

The SSIP Cell, L. D. College of Engineering, proudly announces the successful organization of a Hackathon event on June 5, 2025, coinciding with World Environment Day. The event, themed "Reduce Plastic Waste," brought together 10 teams comprising 45 students, who showcased their innovative ideas and solutions to tackle the pressing issue of plastic waste. The event provided a platform for students to think creatively, collaborate, and develop innovative solutions to reduce plastic waste and promote sustainability. We look forward to seeing the impact of these ideas in the future.

#LDCE #WorldEnvironmentDay #ReducePlasticWaste #Sustainability #Innovations  
CTE Gujarat EduGuj Gov



## BANNER OF THE EVENT



**LDCE  
HACKATHON  
ON  
World Environment Day  
2025**

**DATE: 5TH JUNE 2025**



**Organized by: SSIP Cell, L. D. College of Engineering**