

# Report on “Exposure visit to Gujcost-Robofest 4.0 at Gujarat Council of Science City, Ahmedabad”

EVENT DATE: 22/01/2025



**G H Patel College of Engineering & Technology**  
(A Constituent College of CVM University)

**Exposure visit to Gujcost-Robofest 4.0**  
at  
**Gujarat Council of Science City, Ahmedabad**

 **22<sup>nd</sup> January 2025 (Wednesday)**

 **1<sup>st</sup> year Mechatronics students**

 **Gujarat Council of Science City, Ahmedabad**

 **06:30 am onwards**

**Organized by:**  
**Mechatronics Department, GCET, V. V. Nagar**

Mechatronics Department of G H Patel College of Engineering and Technology organized an Exposure visit to Gujcost-Robofest 4.0 at Gujarat Council of Science City, Ahmedabad on 22nd January 2025.

- **Date: 22<sup>nd</sup> January 2025, Wednesday**
- **Time: 06:30 AM onwards**
- **Venue: Gujarat Council of Science City, Ahmedabad**
- **Coordinators: Prof. Sanjiv Rajput (Assistant Professor)**
  - **Dr. Ajay Patel (Assistant Professor)**
- **No of Participants:**
  - **27 Students and 02 Faculty members**

## Objective:

- **Promote Innovation and Creativity:**
  - Provide students with exposure to innovative robotic solutions and creative engineering designs showcased in the competition.
- **Industry-Academia Interaction:**
  - Bridge the gap between academic knowledge and industry practices by observing state-of-the-art robotic systems and automation technologies.
- **Enhance Technical Skills:**
  - Encourage students to learn about advanced robotics, AI, and IoT applications in various industries.
- **Encourage Teamwork and Collaboration:**
  - Inspire participants by observing collaborative problem-solving approaches and teamwork among competing teams.
- **Motivation for Future Competitions:**
  - Instill confidence and motivation in students to participate in future robotic and technical competitions.
- **Real-World Exposure:**
  - Provide hands-on experience with robotics applications and problem-solving strategies implemented in real-world scenarios.
- **Awareness of Emerging Trends:**
  - Familiarize students with the latest advancements in robotics, automation, and related technologies.
- **Inspiration for Research and Projects:**
  - Spark ideas for research and final-year projects by observing innovative designs and automation applications.

## Outcome

Expected Outcomes Exposure visit to Gujcost-Robofest 4.0 at Gujarat Council of Science City, Ahmedabad are as follows:

1. **Enhanced Knowledge:**
  - Gained insights into cutting-edge technologies in robotics, AI, and IoT showcased by participating teams.
2. **Exposure to Real-World Applications:**
  - Understood practical applications of robotics and automation in industrial and academic scenarios.
3. **Improved Problem-Solving Skills:**
  - Observed innovative approaches to solving complex challenges, inspiring creative thinking.
4. **Motivation for Innovation:**

- Inspired to explore and develop new ideas for robotics-based projects and participate in future competitions.
- 5. Awareness of Current Trends:**
- Developed awareness of the latest advancements and industry expectations in robotics and automation.
- 6. Networking Opportunities:**
- Connected with industry experts, mentors, and fellow participants for potential collaborations and guidance.
- 7. Increased Confidence:**
- Boosted confidence to participate in competitive events and showcase technical skills.
- 8. Team Building and Collaboration:**
- Learned the importance of teamwork and collaborative efforts in achieving goals.
- 9. Inspiration for Research and Projects:**
- Gained ideas for final-year projects, internships, or research opportunities in robotics and related fields.
- 10. Improved Career Awareness:**
- Understood the career potential in robotics, automation, and advanced manufacturing sectors.

These outcomes contribute significantly to both academic and professional growth, encouraging students to stay at the forefront of technological advancements.

### **Links of announcement on social media:**

#### **Instagram Link:**

<https://www.instagram.com/p/DFLMt73M2T0/?igsh=dzB1NHd5bzMxbWYw>

### **PHOTOGRPHS:**





## Event Report

### Introduction

An exposure visit to **GUJCOST-Robofest 4.0** was organized by the Mechatronics Department on 22<sup>nd</sup> January 2025 at the Gujarat Council of Science City, Ahmedabad. The visit aimed to provide students with first-hand exposure to cutting-edge advancements in robotics and automation while bridging the gap between theoretical learning and industrial applications. The event brought together innovative minds from across the region to showcase their technical prowess in robotics and its applications.

## Objectives

- To enhance students' knowledge of robotics, AI, and IoT technologies.
- To promote innovation and creativity by observing real-world applications in robotics.
- To provide inspiration for research and projects by showcasing advanced automation solutions.
- To foster teamwork, collaboration, and problem-solving skills among students.

## Activities During the Visit

### 1. Exhibition of Robotics Projects:

Students observed various innovative robotics solutions, ranging from industrial automation systems to AI-powered robotic devices.

### 2. Technical Demonstrations:

Teams demonstrated their robotic systems, explaining the working principles and applications.

### 3. Interaction with Experts:

Industry professionals and mentors provided insights into emerging trends in robotics, automation, and Industry 4.0 technologies.

### 4. Competition Observation:

Students witnessed the competitive spirit and innovative problem-solving approaches of participating teams.

### 5. Q&A Sessions:

Students engaged with presenters and industry experts to clarify concepts and gain deeper insights into the applications of robotics and automation.

## Outcomes

- Enhanced understanding of real-world applications of robotics and automation.
- Motivation to participate in technical competitions and develop innovative solutions.
- Increased awareness of industrial trends and technological advancements.
- Improved networking opportunities with industry experts and mentors.
- Inspiration for final-year projects, internships, and research initiatives.
- Strengthened problem-solving, teamwork, and collaboration skills.

## Feedback

Students expressed their gratitude for the opportunity to attend the event and reported that the visit was highly educational and inspiring. Many students were motivated to apply their knowledge in practical projects and future competitions.

## Conclusion

The exposure visit to **GUJCOST-Robofest 4.0** was a resounding success, achieving its objective of bridging the gap between academic learning and industrial practices. The event provided students with invaluable insights into the world of robotics and automation, preparing them to excel in the rapidly evolving technological landscape.

## Participant List:



**G H PATEL COLLEGE OF ENGINEERING & TECHNOLOGY**

**Mechatronics Department**

**"Exposure visit to Gujcost-Robofest 4.0 at Gujarat Council of Science City, Ahmedabad "**

**Date: 22/01/2025**

**Time: 06:30 AM onwards**

**Total Participants: 27**

### Participants

Sr. No.	Enrolment No.	Name	Department	Sign
1	12402100501001	Spolia Ashish	MC	<i>Spolia</i>
2	12402100501002	Gajjar Axat Dharmeshkumar	MC	<i>Axat</i>
3	12402100501003	Shah Daksh Nikunj	MC	<i>Daksh</i>
4	12402100501004	Bhalala Deep Alpeshbhai	MC	<i>AB</i>
5	12402100501005	Shah Devansh Ketankumar	MC	<i>Devansh</i>
6	12402100501006	Ezhava Dhiraj Rajiv	MC	<i>Dhiraj</i>
7	12402100501007	Padhiyar Dhruv Alpeshkumar	MC	<i>Dhruv</i>
8	12402100501009	Dhaliwal Gurkaran Singh Baljit Singh	MC	<i>Gurkaran</i>
9	12402100501010	Chhatraliya Harit Minesh	MC	<i>Harit</i>
10	12402100501011	Dighe Harshang Jitendra	MC	<i>AB</i>
11	12402100501012	Pathak Hriday Ritesh	MC	<i>Ritesh</i>
12	12402100501013	Pandya Jaineel Yagnesh	MC	<i>Jaineel</i>
13	12402100501014	Chauhan Jayneel Shailesh	MC	<i>Jayneel</i>
14	12402100501015	Prajapati Kamleshbhai Dahyabhai	MC	<i>Kamlesh</i>
15	12402100501016	Kahodariya Kartavya Maheshbhai	MC	<i>Kartavya</i>
16	12402100501017	Agravat Kaushal Samirbhai	MC	<i>AB</i>
17	12402100501018	Hingu Manav Sanjaykumar	MC	<i>AB</i>
18	12402100501019	Patel Manuj Rakeshkumar	MC	<i>Manuj</i>
19	12402100501020	Shah Marmik Jayesh	MC	<i>Marmik</i>
20	12402100501021	Ghori Nemis Hiteshbhai	MC	<i>Nemis</i>

**G H PATEL COLLEGE OF ENGINEERING & TECHNOLOGY**

**Mechatronics Department**


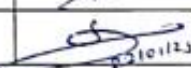
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**Participants**

Sr. No.	Enrolment No.	Name	Department	Sign
21	12402100501022	Pathan Nihalkhan Samirkhan	mc	
22	12402100501023	Lalvani Parth Ashokbhai	mc	- AB -
23	12402100501024	Patel Pratham Rajeshbhai	mc	
24	12402100501025	Kalathiya Purv Pareshbhai	mc	
25	12402100501026	Patel Rajat Tarunkumar	mc	
26	12402100501027	Christi Rishit Anantkumar	mc	- AB -
27	12402100501028	Tailor Rishit Divyesh	mc	
28	12402100501029	Patel Slok Jignesh	mc	
29	12402100501030	Sukhadiya Vaidik Manish	mc	- AB -
30	12402100501031	Patel Vidit	mc	V PATEL
31	12402100501032	Parte Krunal Rajendra	mc	
32	12402100501033	Parthiv Sanjaybhai Dholariya	mc	
33	24MC405	Pathan Mohammed Awaizkhan Ayazkhan	mc	- AB -
34	24MC413	Daksh Kumudchandra Patel	mc	- AB -
35	24MC419	Golani Yash Kamleshbhai	mc	- AB -

Sr. No.	Faculty Name	Department	Sign
1	Dr. Ajay M. Patel	Mechatronics	
2	Prof. Sanjiv Y. Rajput	Mechatronics	

  
Dr. Ajay M. Patel  
Visit Coordinator

  
22/01/25  
Prof. Sanjiv Y. Rajput  
Visit Coordinator