G H Patel College of Engineering & Technology
(The Charutar Vidya Mandal(CVM)University)
Department of Electronics & Communication

A Report on Project Competition: "Innosphere: The IoT Expo"

Date: 13 October 2026

Time: 02:00 pm onwards

Institute: G H Patel College of Engineering & Technology

Venue: EC and IT Department Laboratories (D306 to D309 and A313)

Coordinator: Dr. Falgunkumar N Thakkar

Sr. No.	Name of Jury Members	Brief Introduction
1	Mr. Hitesh Mehra	Director, Cerbotech Education Private Limited – Anand
2	Mr. Kruparth Patel	Engineer, Verdemobility, SLS Corporation – Anand
3	Mr. Ruthang Shah	Engineer, Verdemobility, SLS Corporation – Anand
4	Dr. Mehul Thakkar	Assistant Professor, MBIT – New V V Nagar
5	Prof. Nitin Patel	Assistant Professor, MBIT – New V V Nagar
6	Dr. Mayur Sevak	Assistant Professor, BVM V V Nagar

No. of Attendees: 121 Students and 52 groups are participated to demonstrate their IoT based Projects.

About the event:

The Department of Electronics & Communication Engineering at G H Patel College of Engineering & Technology (GCET), a constituent college of Charutar Vidya Mandal (CVM) University, organized "InnoSphere – The IoT Expo" on 13 October 2026. The expo provided a platform for the entire class of Final-Year EC students and Third-Year CSE (IoT) students to demonstrate their project work, explain the design and implementation of their systems, and interact with experts from industry and academia outside GCET.

The projects were displayed across the EC Department laboratories D306, D307, D308, D309 and A313. The project directory included applications such as smart parking, emergency detection, smart home automation, environmental monitoring, agriculture, healthcare, accessibility, industrial monitoring and other IoT-enabled systems. The event emphasized practical implementation, innovation, technical communication and the relevance of IoT in real-world situations

Objective:

- Provide students with an opportunity to demonstrate and explain their project work in a technical exhibition.
- Encourage practical application of concepts related to electronics, communication, embedded systems and the Internet of Things.
- Develop students' project presentation, technical communication and problem-solving skills.
- Facilitate interaction and knowledge exchange between students and experts from industry and academia.
- Obtain external expert feedback on project design, implementation, usefulness and scope for improvement.
- Recognize noteworthy projects and motivate students to pursue further development and innovation.

Event Proceedings:

- Student teams exhibited their projects in the designated laboratories according to the lab-wise project directory.
- The external experts visited the project displays, interacted with the student teams, and evaluated their work.
- Students explained the problem addressed by each project, its key features, implementation and potential applications.
- The evaluators provided feedback and suggestions, helping students understand the strengths of their projects and areas for further improvement.
- The experts appreciated the students' efforts and announced the first, second and third positions separately for the EC group and the IoT group.

Awards and Recognition:

The evaluators announced and appreciated the top three positions in among the two groups: EC and IoT.

Group	Position	Winning Team / Project Title
EC - 2	First Position	IOT based Stress Detection
IoT - 20	Second Position	Living person detection under rubble system
IoT - 33	Third Position	Smart Vaccine Cold- Chain Degradation Tracker

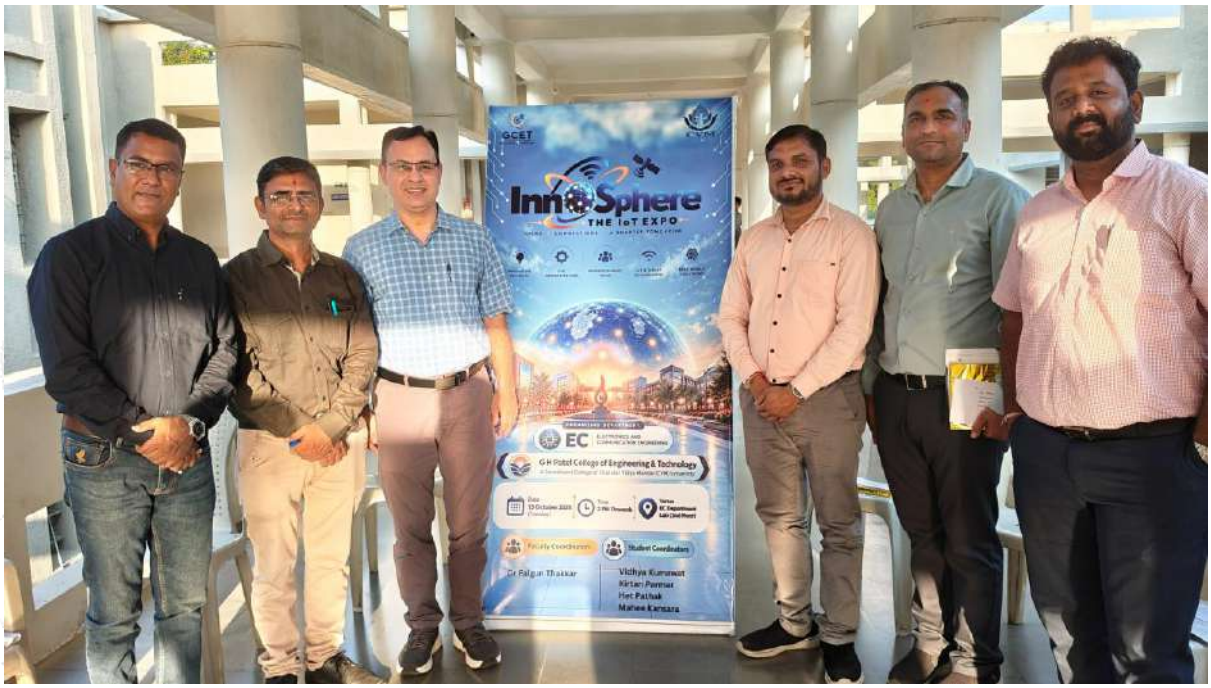
Key Outcomes:

- Students gained experience in presenting technical projects to external evaluators and responding to questions.
- The expo created an opportunity for students to receive feedback from professionals with industry and academic experience.
- The event encouraged practical learning, creativity, teamwork and communication.
- The evaluation and recognition process motivated students to refine their project ideas and consider further development.
- The participation of experts from Cerbotech, SLS Corporation, MBIT College and BVM College strengthened external industry–academia engagement.

Conclusion:

"InnoSphere – The IoT Expo" provided a valuable platform for Final-Year EC and Third-Year CSE (IoT) students to exhibit their project work and receive feedback from experts outside GCET. The involvement of evaluators from industry and academia brought an external perspective to the assessment of the projects. The announcement of first, second and third positions in both groups recognized student effort and encouraged continued innovation, practical learning and technical development.

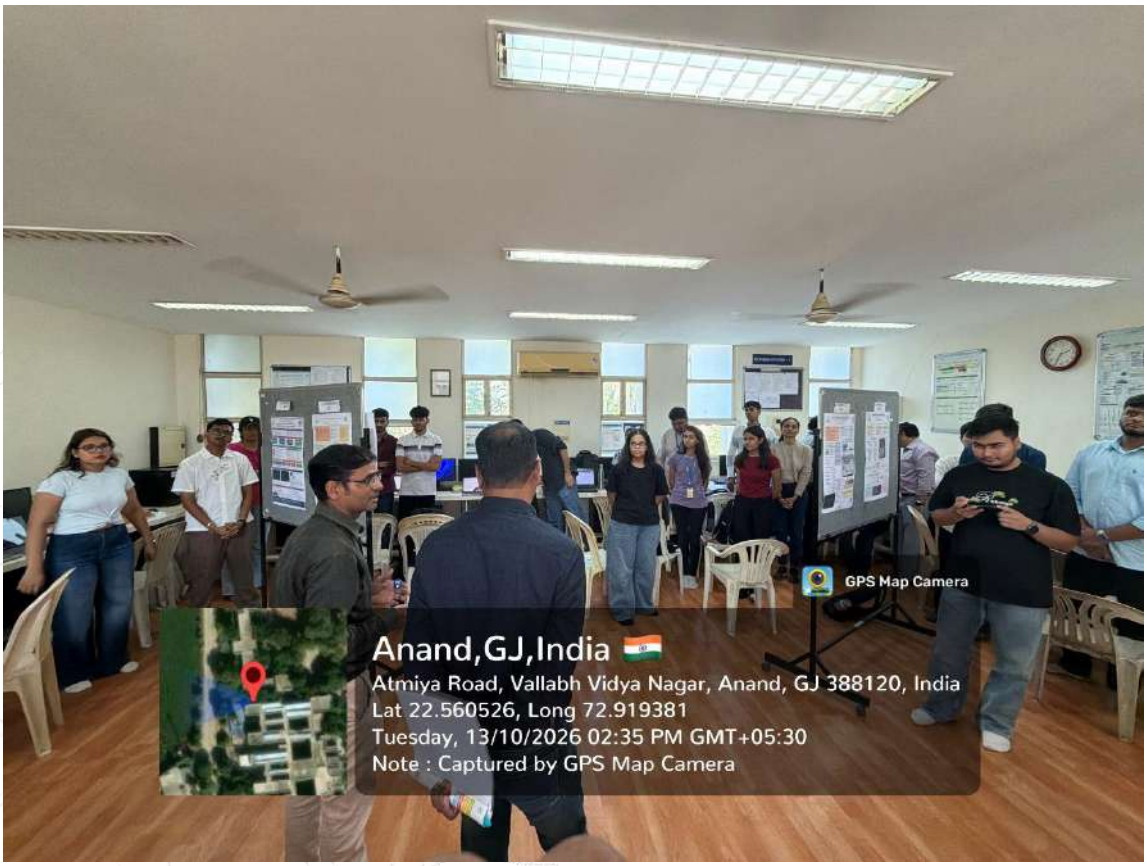
Photographs:






Inno Sphere
THE IoT EXPO
GPS Map Camera
Anand, Gujarat, India
Diwaliba Complex, 3/b, Near Icici Bank, Mota Bazaar, Vallabh Vidyanagar, Anand, Gujarat 388315, India
Lat 22.560423° Long 72.919543°
Tuesday, 13/10/2026 04:39 PM GMT +05:30
Google


GPS Map Camera
Anand, Gujarat, India
Diwaliba Complex, 3/b, Near Icici Bank, Mota Bazaar, Vallabh Vidyanagar, Anand, Gujarat 388315, India
Lat 22.560393° Long 72.919585°
Tuesday, 13/10/2026 05:03 PM GMT +05:30
Google


GPS Map Camera
Anand,GJ,India
Atmiya Road, Vallabh Vidya Nagar, Anand, GJ 388120, India
Lat 22.560526, Long 72.919381
Tuesday, 13/10/2026 02:35 PM GMT+05:30
Note : Captured by GPS Map Camera


GPS Map Camera
Anand,Gujarat,India
Bakrol Road, Vallabh Vidya Nagar, Anand, Gujarat 388120, India
Lat 22.560568, Long 72.919406
Tuesday, 13/10/2026 02:48 PM GMT+05:30
Note : Captured by GPS Map Camera

Publicity of the Event in News Papers/Social Media (Screenshots, Images etc)



The event addresses following Program Outcomes and / or Sustainable Development Goals:

Program Outcomes (POs)

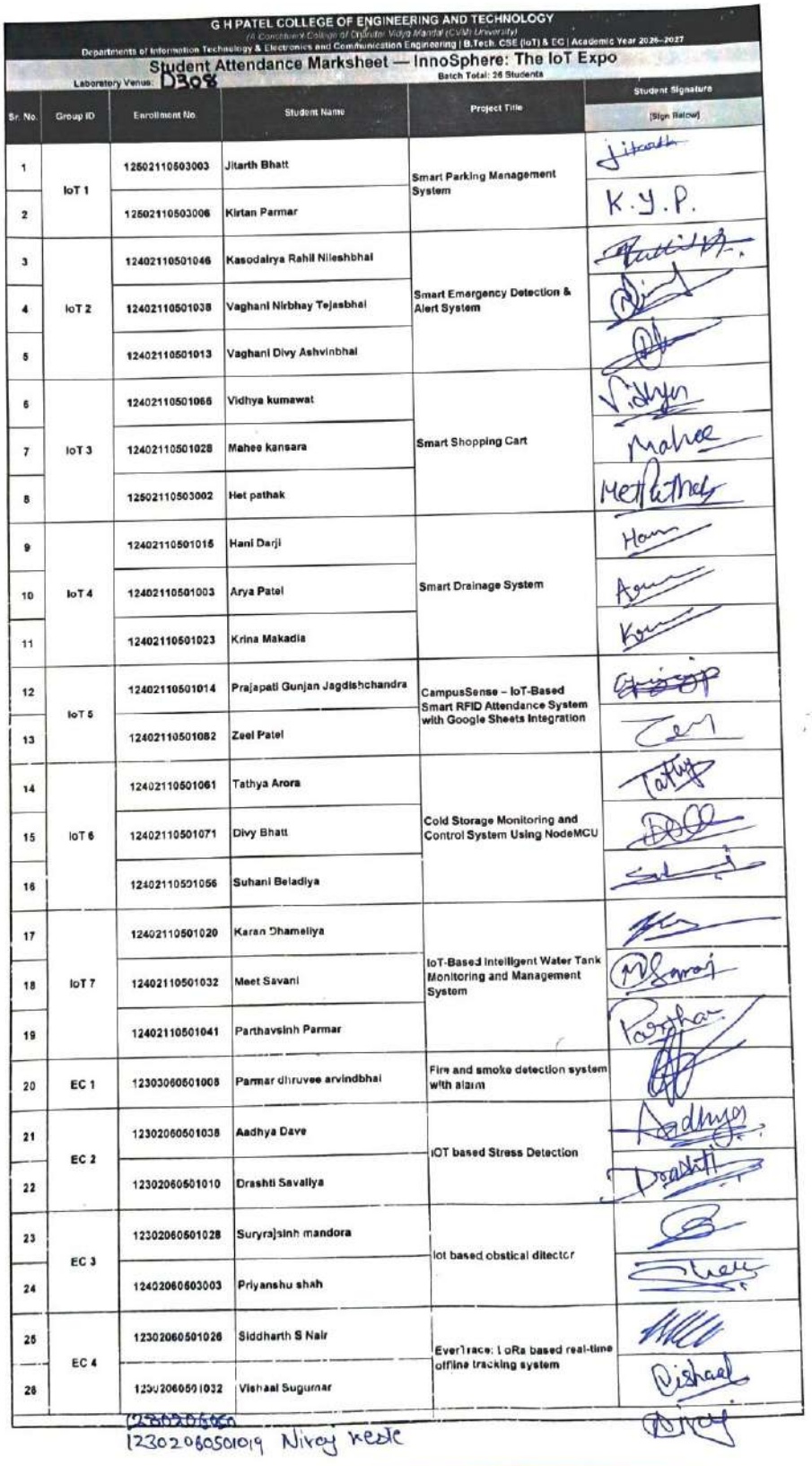
Program Outcome	Relevance to the Event
PO1 – Engineering Knowledge	Students applied engineering fundamentals in developing and explaining their projects.
PO2 – Problem Analysis	Teams described the problems addressed by their systems and discussed their design choices.
PO3 – Design/Development	Projects demonstrated the design and implementation of

of Solutions	solutions to practical problems.
PO4 – Modern Tool Usage	Students demonstrated the use of relevant electronics, embedded and IoT technologies and tools.
PO5 – Engineer and Society	Several project themes addressed practical needs in daily life, safety, accessibility, agriculture and monitoring.
PO8 – Ethics	Students were expected to present their work honestly and respond professionally to evaluator questions.
PO9 – Individual and Team Work	Project development and exhibition encouraged collaboration within student teams.
PO10 – Communication	Students explained technical concepts and project functionality to external evaluators.
PO11 – Project Management	Teams presented project outcomes and demonstrated their ability to organize and exhibit project work.
PO12 – Life-long Learning	Expert feedback encouraged further learning and improvement beyond the current project.

Sustainable Development Goals (SDGs):

SDG	Contribution of the Event
SDG 4 – Quality Education	The expo supplemented classroom learning with practical project demonstration, feedback and peer learning.
SDG 8 – Decent Work and Economic Growth	Interaction with industry professionals exposed students to professional expectations and practical problem-solving.
SDG 9 – Industry, Innovation and Infrastructure	The event showcased student innovation and IoT-based solutions with potential real-world applications.
SDG 17 – Partnerships for the Goals	Participation of external industry and academic experts strengthened engagement beyond the institution.

Participation (Attendance sheet):



G H PATEL COLLEGE OF ENGINEERING AND TECHNOLOGY
(A Constituent College of Charutar Vidya Mandal (CVM) University)
Departments of Information Technology & Electronics and Communication Engineering | B.Tech. CSE (IoT) & EC | Academic Year 2026–2027
Student Attendance Marksheet — InnoSphere: The IoT Expo
Laboratory Venue: D308 Batch Total: 26 Students

Sr. No.	Group ID	Enrollment No.	Student Name	Project Title	Student Signature (Sign Below)
1	IoT 1	12502110503003	Jitarth Bhatt	Smart Parking Management System	
2		12502110503006	Kirtan Parmar		
3	IoT 2	12402110501046	Kasodariya Rahil Nileshbhai	Smart Emergency Detection & Alert System	
4		12402110501038	Vaghani Nirbhay Tejasbhai		
5		12402110501013	Vaghani Divy Ashvinbhai		
6	IoT 3	12402110501065	Vidhya kumawat	Smart Shopping Cart	
7		12402110501028	Mahee kansara		
8		12502110503002	Het pathak		
9	IoT 4	12402110501015	Hani Darji	Smart Drainage System	
10		12402110501003	Arya Patel		
11		12402110501023	Krina Makadia		
12	IoT 5	12402110501014	Prajapati Gunjan Jagdishchandra	CampusSense – IoT-Based Smart RFID Attendance System with Google Sheets Integration	
13		12402110501082	Zeel Patel		
14	IoT 6	12402110501061	Tathya Arora	Cold Storage Monitoring and Control System Using NodeMCU	
15		12402110501071	Divy Bhatt		
16		12402110501056	Suhani Beladiya		
17	IoT 7	12402110501020	Karan Dhameliya	IoT-Based Intelligent Water Tank Monitoring and Management System	
18		12402110501032	Meet Savani		
19		12402110501041	Parthavsinh Parmar		
20	EC 1	12303060501008	Parmar dhruvee arvindbhai	Fire and smoke detection system with alarm	
21	EC 2	12302060501038	Aadhya Dave	IOT based Stress Detection	
22		12302060501010	Drashti Savaliya		
23	EC 3	12302060501028	Suryrajsinh mandora	Iot based obstical ditector	
24		12402060603003	Priyanshu shah		
25	EC 4	12302060501026	Siddharth S Nair	EverTrace: LoRa based real-time offline tracking system	
26		12302060501032	Vishaal Sugumar		

12302060501019 Niraj Kede

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Laboratory Venue: D307 Batch Total: 25 Students

Sr. No.	Group ID	Enrollment No.	Student Name	Project Title	Student Signature [Sign Below]
1	IoT 8	12402110501025	Krishna Gajjar	An IoT-based Autonomous Forest Fire and Wildlife Poaching Deterrent Node	
2		12402110501021	Kavya patel		
3	IoT 9	12502110503001	PATEL DHRUV	Smart fitness band	
4		12502110503012	Kareliya Raj		
5		12502110503008	Neal Manishkumar Darji		
6	IoT 10	12402110501039	Niyati Patel	Rainwater Monitoring System	
7		12402110501080	Vruti Patel		
8	IoT 11	12502110503004	Keyur Shah	Smart Queue Management	
9		12402110501029	Mahi M Rathod		
10	IoT 12	12402110501026	Maahi Suthar	Sign Language Recognition System for Conversion of Hand Gestures into Text	
11		12402110501045	Priya Kanjaria		
12	IoT 13	12402110501076	Pratham Parikh	Object detection radar system	
13		12402110501019	jhanki parekh		
14		12502110503011	pooja domadiya		
15	IoT 14	12402110501069	Arth Jain	Automatic soil watering system	
16		12402110501067	Yash Shah		
17		12402110501070	Bhagya Shah		
18	EC 5	12302060501006	Darsh Jaykumar Pandya	Electronic Voting Machine	
19		12302060501016	Kushal Dineshbhai Patel		
20	EC 6	12302060501034	Zeel Agrawal	Wivo Bot	
21		12302060501011	Gautam Soni		
22	EC 7	12302060501023 Patel Dhyey Pragneshkumar		Long-Range Precision Agriculture & Microclimate Telemet	
23		12302060601003	Makwana Jaimin Ashokbhai		
24	EC 8	12302060501029	Vansh Desai	IoT - Based Smart Parking System	
25		12302060501018	Meet Parekh		
26		12302060501007	Dhwani Ko. Patel	IoT - Based health monitoring system	
27		12302060501044	Hirangi Dalwadi		

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Student Attendance Marksheet — InnoSphere: The IoT Expo

Laboratory Venue: D306 **Batch Total: 21 Students**

Sr. No.	Group ID	Enrollment No.	Student Name	Project Title	Student Signature [Sign Below]
1	IoT 22	12402110501063	Vasava Tushar M	Smart Solar PV Dust & Power Degradation Predictor	
2		12402110501053	Chaudhary Shubham Jitubhai		
3		12402110501062	Teerth Umesh Chauhan		
4	IoT 23	12402110501065	BHARDWAJ VID VIMALBHAI	Smart Library Study Zone Analyzer	
5		12402110501052	SINGH SHUBHAM ARVIND KUMAR		
6		12402110501054	JHA SKAND AMRESHKUMAR		
7	IoT 24	12402110501009	Jasani Dax Chetanbhai	Smart energy monitoring	
8		12402110501017	Padhiyar Het Sanjaybhai		
9	IoT 25	12402110501002	Ansh Gevariya	IoT-Based Smart Hostel Room Monitoring and Comfort Prediction System	
10		12402110501004	Asmit Chaudhari		
11		12402110501006	Bhagyesh Purswani		
12	IoT 26	12402110501060	Tanmay Das	IoT-Based Smart Medicine Reminder Box	
13	IoT 27	12402110501042	Patel Prachi Jitendrabhai	Water quality monitoring system	
14		12402110501043	Patel Pranjal Mukeshbhai		
15	EC 13	12302060601004	Sharma Ujjawal Vachaspati	Local-First Smart Home Control Panel with Cloud Analytics	
16	EC 14	12302060501004	Bhavya Patel	Weather reporting system	
17		12302060501024	Rudresh Dave		
18	EC 15	12302060501030	Vedanshu Trivedi	IoT-Based Real-Time Footfall and Queue Monitoring System with Cloud Dashboard	
19		12302060501027	Suthar Siddhi		
20	EC 16	12302060501015	Krishna Baigani	Smart vehicle system	
21		12302060501017	Mantra		

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Student Attendance Marksheet — InnoSphere: The IoT Expo

Laboratory Venue: A313 Batch Total: 28 Students

Sr. No.	Group ID	Enrollment No.	Student Name	Project Title	Student Signature [Sign Below]
1	IoT 15	12402110501073	Jeet Parekh	Smart Home Automation	
2		12502110503009	Neet Dipakkumar Patel		
3		12402110501007	Bhavya Patel		
4	IoT 16	12402110501078	Trilok patel	Smart Plant Monitoring System	
5		12402110501068	Yug savani		
6		12402110501074	Man sankadasariya		
7	IoT 17	12502110503005	Khushi Tripathi	~~IoT-Enabled Real-Time Text-to-Speech System for Accessible Communication~~ Smart waste segregation	
8		12402110501040	Pankti Pandya		
9	IoT 18	12402110501047	Rahul Mer	Smart Trash Can	
10		12402110501030	Maitra Amrutiya		
11		12402110501075	Nisarg Kamaria		
12	IoT 19	12402110501044	Prince Patel	Predictive maintainance system	
13		12402110501049	Rohan Parmar		
14		12402110501050	Rohan Prajapati		
15	IoT 20	12402110501010	Dhairyansh Buch	Living person detection under rubble system	
16		12402110501024	Krish Patel		
17		12402110501035	Mokshad Patel		
18	IoT 21	12402110501055	Sneha Ladani	IoT-Based Noise Pollution Monitoring & Alert System	
19		12402110501057	Sundaram Jha		
20		12402110501059	Captain Swara		
21	EC 9	12302060501040	Neel viralbhai patel	Iot base door locking system	
22		12302060501025	Sean Hiteshkumar Parmar		
23	EC 10	12302060501035	Kritika Zala	Anti-Sleep Glasses	
24		12302060501042	Sneh Mistry		
25	EC 11	12302060501022	Parshwa Patel	Digital Twin of an Industrial Machine using IoT.	
26		12302060501009	Divya Patel		
27	EC 12	12302060501039	Patel Dhwani Shaileshbhai	IoT trainer kit	
28		12402060503002	Mahek Virendrasinh Puvar		

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Laboratory Venue : D309 — Student Attendance Marksheet — InnoSphere: The IoT Expo — Batch Total: 21 Students

Sr. No	Group ID	Enrollment No.	Student Name	Project Title	Student Signature [Sign Below]
1	IoT 28	12402110501048	Rajvi Shital Patel	WeatherSense – Smart IoT Weather Monitoring & Alert System	
2		12402110501031	Manasvi Devshi Pampaniya		
3	IoT 29	12402110501051	Vaghela Sahil Sanjaybhai	Earthquake Detection & Severity Monitoring System	
4		12402110501011	Zala Dhruvrajsinh Mahendrasinh		
5		12402110501058	Baria Swapnil Mahendrabhai		
6	IoT 30	12402110501005	Ayushi Patel	Hospital Management System	
7		12402110501022	Kija patel		
8		12502110503010	Parthi Patel		
9	IoT 31	12402110501033	Chauhan Mithil Amitkumar	Temperature and Humidity Monitor	
10		12402110501027	Vohra Maaz vasimbhai		
11	IoT 32	12402110501012	Dhakecha Dip Prakashbhai	Smart Blind Navigation Stick	
12		12402110501001	Vataliya Aaryan Jayendrakumar		
13	IoT 33	12402110501008	Daksh Chaudhari	SMART VACCINE COLD- CHAIN DEGRADATION TRACKER	
14		12402110501036	Nayan Patel		
15		12402110501072	Hitarth Desai		
16	EC 17	12402060503001	Kishan Narendra Patel	IoT-Based Basic Vehicle Health Monitoring System Using ESP32	
17		12302060501033	Vishu porwal		
18	EC 18	12302060501013	Huzefa Parekh	Smart Home Automation	
19		12302060501003	Anushka Shah		
20	EC 19	12302060501002	Aman Singh	The Whistle-Saver: IoT Pressure Cooker Counter	
21		12302060501005	Darsh Upadhyay		

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