



**GUIITAR
COUNCIL**



**GSFC
UNIVERSITY**
EDUCATION RE-ENVISIONED

Report

Branch : B.Tech

Title of the Program: TechXhibit 2025

Date & Time & Venue: May 2, 2025, 09.30 am to 03.30 pm, Anviksha; 2nd Floor;
GSFC University

Expert Name and Details:

The exhibition was attended by the following eminent industry experts/dignitaries/Faculties/Students/Parents/Prospective Candidates for Admission.

1. Shri P. K. Taneja, IAS (Retd.), President-GSFCU
2. Dr. Nishith Parikh, Associate Dean, Academic Affairs
3. Dr. Sanjukta Bose Goswami, Dean, SoT, GSFC University
4. Shri B.B Bhayani, CEO, GUIITAR Council (Section 8 Company), GSFC University
5. Mr. Kirankumar Parmar, Sr. Manager, GUIITAR Council, GSFC University
6. Mr. Pratik Soni, Technical Head, eInfochips
7. Mr. Naresh Shewakarmani, (QA Automation), eInfochips
8. Mr. Hardip Patel, (Senior Software Engineer), Atyantik
9. Mr. P. D Darji, Senior Manager Projects, GSFC Ltd.
10. Mr. J. P. Patel, Senior Manager Capro plant, GSFC Ltd.
11. Mr. Prerak Patel, Senior Manager, GACL Ltd, Vadodara
12. Mr. D. J. Trivedi, Ex-Vice President, GSFC Ltd.
13. Faculties, Computer Science & Engineering & Chemical Engineering, School of Technology, GSFC University
14. Students, Computer Science & Engineering & Chemical Engineering, School of Technology, GSFC University
15. Parents of Students, GSFC University
16. Prospective Candidates for Admission



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Faculty Coordinator: Ms. Archana Magare and Dr. Parag Saxena

Objective:

- Provide a platform for students to showcase their technical projects and research work.
- Encourage the practical application of academic concepts to solve real-world problems.
- Enhance students' communication, presentation, and industry-interaction skills.
- Enable feedback and evaluation from industry experts and peers for continuous improvement.
- Promote awareness of current and emerging technologies in core engineering domains.
- Recognize and reward outstanding student innovations to motivate future contributions

Importance

This event served as a vital platform for students to demonstrate their creativity, problem-solving skills, and technical expertise through real-world applications. It bridged the gap between theoretical learning and practical implementation, allowing students to showcase innovative projects developed over the semester or academic year.

This exhibition promoted experiential learning and encouraged peer-to-peer interaction, industry exposure, and faculty engagement. It provided an opportunity to receive valuable feedback from academic experts, industry professionals, and fellow participants, helping students refine their ideas and gain confidence in presenting their work.

Moreover, the event fostered a spirit of healthy competition and collaboration, inspiring others to pursue excellence in engineering and technology. By translating ideas into functional prototypes or solutions, students not only contributed to technological advancement but also enhance their readiness for future career opportunities in research, entrepreneurship, and industry



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Activity & Content Details

The School of Technology at GSFC University organized *TechXhibit 2025* on May 2, 2025, to commemorate National Technology Day. Supported by the GUIITAR Council, the event served as a platform to showcase innovative student projects with the potential for start-up incubation and real-world impact.

The exhibition served as a vibrant platform to showcase over 65 innovative projects developed by students of B.Tech Computer Science & Engineering (6th and 8th semesters) and B.Tech Chemical Engineering (4th and 6th semesters). These projects covered a wide range of domains, including Data Science, Artificial Intelligence, IoT-based Home Automation, Machine Learning, Augmented/Virtual Reality, Mobile Application Development, and Chemical Engineering Processes.

The event featured two main categories: **Minor Projects**, presented by 6th-semester students, and **Major Projects**, developed by 8th-semester students along with 4th-semester participants. A total of **41 projects** were exhibited by B.Tech Computer Science & Engineering students, while **24 projects** were presented by B.Tech Chemical Engineering students.

Industry professionals from leading companies such as **eInfochips** and **Atyantik Technologies Pvt. Ltd.** were invited to evaluate the projects based on innovation, technical competency, and potential societal or industrial impact.

To recognize outstanding contributions, the top three projects in the Minor Project category were awarded prizes worth ₹ **5,500** each, while winners in the Major Project category received prizes worth ₹ **12,000** each. Additionally, B.Tech Chemical Engineering students from the 6th semester were awarded ₹ **10,000**, and those from the 4th semester were honored with prizes totaling ₹ **5,500**, acknowledging their exceptional creativity and problem-solving capabilities.

List of Participants:

B.Tech Computer Science & Engineering

Minor Project(VI Semester) :- 22 Groups
Major Projects(VIII Semester) :- 16 Groups

B.Tech Chemical Engineering

VI Semester :- 9 Working Model
IV Semester :- 15 Non-Working Model

Winner Projects of TechXhibit'25:- B.Tech Computer Science & Engineering :

Sr No	Position	Enrollment No	Name of Students	Faculty Mentor	Title of Project
Major Project Category					
1	1st Prize 6000 Cash Prize	21BT04031	Drashti Joshi	Ms. Zalak Kansagra	CaptionEyes :- Real-Time Captioning Glasses for People with Severe Hearing Loss
		21BT04089	Taneeshk Patel		
2	2nd Prize 4000 Cash Prize	21BT04136	Yashasvi Virani	Ms. Zalak Kansagra	Seat-Sense - A Real-time Auditorium Seat Occupancy Detection and Attendance Tracking System
		21BT04099	Nayan Radadiya		
		21BT04087	Shamik Patel		
		21BT04054	Paras Gautam		
3	3rd Prize 2000 Cash Prize	21BT04003	Aditya Pasari	Dr. Bhoomi Shah	AI powered Itinerary Generator With Route Optimization
		21BT04045	Ayaz Memon		
		21BT04004	Ahir Nidhikumari Maganbhai		
Minor Project Category					

1	1st Prize	22BT04087	Aman Patel	Ms. Archana Magare	SAR Image Colorization for Comprehensive Insight using Deep Learning Model
		22BT04010	Arnav Shah		
		22BT04098	Kenil Patel		
		22BT04042	22BT04042		
2	2nd Prize	22BT04007	Anjali Maurya	Ms. Yoothika Patel	PrepPoint:Advanced Interview Preparation System
		22BT04121	Prince Kamble		
		22BT04078	Sanjana Pal		
		22BT04070	Megh Modi		
3	3rd Prize	22BT04093	Patel Divya Kirankumar	Mr. Bhaumik Machhi	PARSHURAM: A Python-Driven Security Platform
		22BT04034	Yash Gediya		
		22BT04047	Het Joshi		
		22BT04063	Heet Makrubiya		

Winner Projects:- B.Tech Chemical Engineering

Sr No	Position	Enrollment No	Name of Students	Title of Project
VI Semester				
1	1st Prize	22BT01003	Abhi harsor	Advanced Fertilizer Detoxification from

		22BT01004	Harsh Jaiswal	Water Via Ozonation
		22BT01005	Harsh Maheshwari	
		22BT 01023	Tirth Upadhyay	
2	2nd Prize	22BT01002	Dhaval Goswami	Carbon Purification
		22BT01010	Alok Nishad	
		23BT01D035	Yuvrajsinh Rajput	
		23bt01d039	Sujal Mehta	
IV Semester				
1	1st Prize	23BT01004	Smit Chauhan	Pressure Swing Adsorption system
		23BT01012	Karishma Choudhury	
		23BT01013	Kunal Gupta	
		23BT01015	Nachiket Haldankar	
		23BT01024	Vatsal Patel	
2	2nd Prize	23BT01017	Karan Panchal	Cooling Tower
		23BT01018	Shlok Panchal	
		23BT01035	Uday Upadhyay	
		23BT01005	Harshvardhansinh Gohil	
3	3rd Prize	23bt01007	Het Patel	Pneumatic Conveyor.
		23bt01022	Hima Patel	



		23bt01033	Aayush Singh	
		23bt01036	Chaitali Vankar	
		23bt01037	Vishal Yadav	

Glimpses of activity:



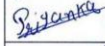
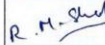
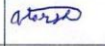
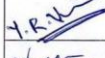
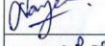
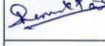
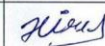


Outcome:

- Applied core concepts from CSE and Chemical Engineering to real-world projects.
- Demonstrated innovation in design and problem-solving.
- Effectively communicated technical ideas through posters and presentations.
- Used modern tools and technologies relevant to their domain.
- Received expert feedback, enhancing industry readiness.
- Strengthened teamwork and project execution skills
- Enhancement of University's visibility

Attendance List

GSFC University, CSE Department TechXhibit 2025

Table No.	Venue	Semester	Group No	Enrollment No	Student Name	Domain Name	Project Name	Faculty Mentor	Attendance
1		Semester 8	SOT/CSE/MAJORPROJECT/IDP/UDP/2024-25/7	21bt04079	Khushi Patel	AI/ML	Traffic Management - Measuring the Speed of the moving Vehicles in the campus	Mr. Nilesh Bahadure	
				21bt04032	Priyanka Joshi				
				22bt04d162	Riddhi Shah				
				22bt04d143	Yug Bhavsar				
2		Semester 6	SOT/CSE/MINORPROJECT/UDP/2024-25/13	22bt04120	Pratik Rathod	IoT	Noise Monitoring System	Ms. Swati Saxena	
				22bt04154	Harsh Vaidya				
3		Semester 8	SOT/CSE/MAJORPROJECT/IDP/UDP/2024-25/22	21BT04136	Yashasvi Virani	AI/ML	Seat-Sense - A Real-time Auditorium Seat Occupancy Detection and Attendance Tracking System	Ms. Zalak Kansgra	
				21BT04099	Nayan Radadiya				
				21BT04087	Shamik Patel				
				21BT04054	Paras Gautam				
				23BT04D168	Hiral Chhatrapati				

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Sr. No.	Venue	Semester	Group No	Enrollment No	Student Name	Domain Name	Project Name	Faculty Mentor	Attendance
9	OS Lab (Ms Divya Kushwah)	Semester 6	SOT/CSE/MINORPROJECT/UDP/2024-25/5	22bt04039	Heer Modi	IoT	IDS/IPS (Intrusion Detection and Intrusion Prevention System)	Ms. Mukti Patel	
				22bt04051	Kandarp Sanket Pa				
				22bt04112	Zeel Patel				
10		Semester 8	SOT/CSE/MAJORPROJECT/UDP/2024-25/11	21bt04031	Drashti Joshi	AI/ML	AI-Powered Real Time Captioning Glasses for	Ms. Zala Kansra	
				21bt04089	Taneeshk Patel				
11		Semester 8	SOT/CSE/MAJORPROJECT/UDP/2024-25/5	21BT04021	Dave Smit	AI/ML	Unified Emotion Detection Facial, Speech, and Text Insights with AI/ML	Ms. Mosam Patel	
				21BT04096	Mittal Punvar				
12		Semester 8	SOT/CSE/MAJORPROJECT/UDP/2024-25/27	21bt04038	Khushi panchal	AI/ML	NGO Management System using Blockchain	Ms. Shweta Rajput	
				21bt04092	Prachi Trivedi				
				21bt04061	Het Pastagia				
				21bt04017	Akshar Chavda				
13		Semester 6	SOT/CSE/MINORPROJECT/UDP/2024-25/18	22BT04071	Devanshi Mufti	IOT	Braille Script Translator using IoT	Ms. Swati Saxena	
				22BT04054	Khushi Agarwal				
14		Semester 6	SOT/CSE/MINORPROJECT/UDP/2024-25/22	22BT04019	Janitsingh Chouhan	AI/ML	Basic AI-Driven Mini Project Generator	Mr. Bhaunrik Machhi	
				22BT04079	Riya Palekar				
				22BT04082	Heta Pandya				
				22BT04056	Krishna Viradiya				
15		Semester 6	SOT/CSE/MINORPROJECT/UDP/2024-25/14	22BT04017	Mahipal Chauhan	Cyber Security	PARSHURAM: A Python-Driven Security Platform	Mr. Bhaunrik Machhi	
				22BT04014	Krishna Bhatt				
				22bt04093	Patel Divya Kirank				
				22bt04034	Yash Gediya				
16		Semester 8	SOT/CSE/MAJORPROJECT/UDP/2024-25/68	22bt04047	Het Joshi	AI/ML	RAG Chatbot using langchain	Ms. Neeshu Chaudhan	
				22bt04063	Heet Makrubiya				
				21BT04108	Itisha Sakhriliya				
17		Semester 8	SOT/CSE/MAJORPROJECT/UDP/2024-25/55	21BT04097	Dhruvin Purohit	AI/ML	SmartEduTools: Self Hosted Services and Web Applications on Param Shivak	Ms. Archana Magare	
				22BT04082	Heta Pandya				
18		Semester 6	SOT/CSE/MINORPROJECT/UDP/2024-25/22	22BT04056	Krishna Viradiya	AI/ML	Basic AI-Driven Mini Project Generator, Nirmalya smart waste management	Mr. Bhaunrik Machhi	
	22BT04017			Mahipal Chauhan					
	22BT04014			Krishna Bhatt					
	22BT04034			Yash Gediya					

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Table No.	Venue	Semester	Group No	Enrollment No	Student Name	Domain Name	Project Name	Faculty Mentor	Attendance
19	Programming Lab (Ms Bhavika Darji)	Semester 8	SOT/CSE/MAJORPROJECT/UDP/2024-25/6	21BT04082	Manan Patel	AI/ML	Habit Tracker App Development using Swift and iOS Technologies	Dr. Nilesh Bahadure	
				21bt04091	Patel Tirth Rajeshkumar				
				21BT04085	Nrup Patel				
20		Semester 6	SOT/CSE/MINORPROJECT/UDP/2024-25/17	22BT04009	Arnav Das	AI/ML	Platform for animal welfare	Ms. Archana Magare	
				22BT04021	Deepak Sharma				
				22BT04083	Kuntal Pandya				
21		Semester 6	SOT/CSE/MINORPROJECT/UDP/2024-25/39	22BT04087	Aman Patel	AI/ML	SAR Image Colorization for Comprehensive Insight using Deep Learning	Ms. Archana Magare	
				22bt04010	Arnav Shah				
					22BT04098				Kenil Patel
22		Semester 8	SOT/CSE/MAJORPROJECT/UDP/2024-25/50	22bt04042	Aarjav Jani	AI/ML	Smart Research	Ms. Archana Magare	
				21BT04133	Vaishnavi Dav				
				21BT04044	Megh Patel				
23		Semester 8	SOT/CSE/MAJORPROJECT/UDP/2024-25/50	21BT04046	Keval Mistry	AI/ML	Sentiment analysis for product review	Dr. Bhoomi Shah	
24		Semester 8	SOT/CSE/MAJORPROJECT/UDP/2024-25/50	21bt04018	Mahek Chawd	IoT	Plant Disease detection	Ms. Shweta Rajput	
				22BT04D157	Jay Prajapati				
	21BT04070			Dhyhan Patel					

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Semester 8 SOT/CSE/MAJORPROJECT/UDP/2024-25/44

21BT04020 Pranav Lakshad

Cyber

Quantum Bit Key Management (QBKM)

Ms. Archana Magare

[Signature]

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Table No.	Venue	Semester	Group No	Enrollment No	Student Name	Domain Name	Project Name	Faculty Mentor	Attendance
25	Machine Learning Lab (Ms Mukti Patel)	Semester 8	SOT/CSE/MAJORPROJECT/UDP/2024-25/57	21BT04134	Vedant Mistry	AI/ML	Hush-Drivers on platforms like Uber and Ola	Dr. Deepak Parashar	
				21BT04121	Hrishikesh Singh				
				21BT04128	Amaan Tal				
26		Semester 6	SOT/CSE/MINORPROJECT/UDP/2024-25/29	22BT04062	Maitri Savaliya	AI/ML	agnostic keyword spotting system for audio	Ms. Mosam Patel	Present
				22BT04049	Kalpna Mishra				
				22BT04081	Devanshi Pandya				
27		Semester 8	SOT/CSE/MAJORPROJECT/UDP/2024-25/9	21BT04041	Patel Kushaben Vinodbhai	AI/ML	Project based on Azure and PowerBI	Ms. Dhruv Kushwah	Present
				21BT04047	Mistry Ruchita Miteshbhai				
				21BT04067	Patel Dhruvi Himanshubhai				
28		Semester 8	SOT/CSE/MAJORPROJECT/UDP/2024-25/33	21BT04003	Aditya Pasari	AI/ML	AI powered Itinerary Generator With Route Optimization	Dr. Bhoomi Shah	Present
				21BT04045	Ayaz Memon				
				21BT04004	Ahr Nidhikumari Maganbhai				
29		Semester 6	SOT/CSE/MINORPROJECT/UDP/2024-25/38	22BT04139	Sharma Tirth G.	AI/ML	Analytica Hub : An AI powered data analysis platform	Mr. Ishan Rajani	
				22BT04138	Vraj Shah				
				22BT04153	Harsh Trivedi				
30		Semester 4	SOT/CSE/MINORPROJECT/UDP/2024-25/30	23BT04D170	Nij Dave	AI/ML	Video Dubbing using automatic speech recognition and translation	Mr. Ishan Rajani	Present
				23BT04D165	Umar Ansari				
				23BT04D189	Jay Patil				
31		Semester 6	SOT/CSE/MINORPROJECT/UDP/2024-25/19	22BT04058	Sakshee Kulkarni	AI/ML	Personalized Mental Health Tracker : Bridging Gaps in Emotional Well-being	Ms. Zolak Kansagra	Present
				22BT04024	Sakshi Desai				
32		Semester 8	SOT/CSE/MAJORPROJECT/UDP/2024-25/65	21BT04125	Kush Soni	AI/ML	AI-Driven Personal Finance Management Assistant	Ms. Mosam Patel	Present
				21BT04127	Mansi Surti				
33		Semester 6	SOT/CSE/MAJORPROJECT/UDP/2024-25/8	22BT04D164	Princy Thakor	AI/ML	Ship Classification with Unbalanced Low Resolution Image Dataset	Ms. Shweta Rajput	Present
				22BT04D161	Vraj Sevak				
				21BT04013	Banshi Bhandari				
				22BT04D159	Siddharthsinh Rajput				

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Table No.	Venue	Semester	Group No	Enrollment No	Student Name	Domain Name	Project Name	Faculty Mentor	Attendance
35	Robotics & Automation Lab (Mr Ishan Rajani)	Semester 6	SOT/CSE/MINORPROJECT/UDP/2024-25/40	22BT04033	Hetanshi Gandhi	AI/ML	Build a deep learning model that generates captions for images.	Ms. Bhavina Darji	Present
				22BT04077	Ved Padana				
				22BT04011	Sammit Bahulekar				
				22BT04069	Mitanshu Mishra				
36		Semester 6	SOT/CSE/MINORPROJECT/UDP/2024-25/35	22BT04026	Devendra Solanki	AI/ML	DeepFake Detection using Deep Learning	Ms. Zolak Kansagra	Present
				22BT04005	Haider Ali				
				22BT04068	Mitanshu				
				22BT04044	Krishna Jha				
37		Semester 6	SOT/CSE/MAJORPROJECT/UDP/2024-25/25	22BT04D150	Shreya Joshi	Salesforce	Time Management	Ms. Swati Saxena	Present
				21BT04014	Dhyey Bhatt				
38		Semester 6	SOT/CSE/MINORPROJECT/UDP/2024-25/34	22BT04085	Komal Mandowara	AI/ML	Personal AI assistant for Visually Impaired	Ms. Hetal Jethani	Present
				22BT04055	Hetvi Kothari				
				22BT04160	Palak Bhatt				
				22BT04084	Riddhi Pansuriya				
39		Semester 6	SOT/CSE/MINORPROJECT/UDP/2024-25/36	22BT04035	Gohil Mahek Sudh	AI/ML	AI-Based crop and cattle Disease Diagnosis & Reporting system	Ms. Archana Magare	Present
				22BT04043	Arpita Jani				
40		Semester 6	SOT/CSE/MINORPROJECT/UDP/2024-25/26	22BT04132	Vikas Singh	Cyber Security	Brihaspati - A Compact Mobile Forensic Tool	Mr. Bhauram Machhi	Present
				22BT04046	Sharline Job				
				22BT04041	Jainam Soni				
41		Semester 6	SOT/CSE/MINORPROJECT/UDP/2024-25/20	22BT04016	Narendra Chaudary	AI/ML	PrepPoint: Advanced Interview Preparation	Ms. Yashika Patel	Present
				22BT04121	Prince Kamble				
				22BT04078	Sanjana Pal				
				22BT04070	Megh Modi				

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Table No.	Venue	Semester	Group No	Enrollment No	Student Name	Domain Name	Project Name	Faculty Mentor	Attendance
42	Maker Lab-1	Semester 2	SOT/CSE/UDP/20 24-25/1	24BT04D209	Mr. Anirudh Bhoi	IoT	IoT Based Student Atmospheric Satellite Pseudo Satellite (IoT SAPS)	Mr. Yasharth Bhoi	Absent
				23bt04013	Mr. Aksash Bhesaniya				Absent
				24BT04D210	Ms. Jiya Chauhan				Absent
				24bt04J222	Ms. Hema Pandit				Absent
43		Semester 4	SOT/CSE/UDP/20 24-25/2	23BT04026	Mr. Dhruvil Jayswal	IoT	GPU (Graphic Processing Unit) Cabinet	Mr. Yasharth Bhoi	Absent
				23BT04184	Ms. Drashii tilva				Absent
				23bt04191	Ms. Banshree Patel				Absent
				23BT04131	Ms. Shreya Popat				Absent
44		Semester 4	SOT/CSE/UDP/20 24-25/3	23BT04084	Mr. Rudra Parmar	IoT	Sound Generation System	Mr. Yasharth Bhoi	Absent
				23BT04144	Mr. Yashpal Rana				Absent
				23bt04085	Ms. Parul Yadav				Absent
				23bt04193	Ms. Esha Dave				Absent