Gandhinagar Institute of Technology
A Report on
"Design Demo Day"
(5 & 19 March 2022)

Introduction:

Gandhinagar Institute of Technology had organized Design Demo Day-2022 on 5th March 2022 for Computer Engineering & Information Technology branch and on 19th March 2022 for Mechanical Engineering, Civil Engineering, Electrical Engineering and Electronics & Communication Engineering under the guidance of Dr H N Shah, Director. The event was organized for 6th semester students as a part of the Design Engineering curriculum. Total 593 students of six different branches were given platform to express their design thinking capability by displaying their project ideas.

Objective:

The key objective of the Design Demo Day was to give chance to the students to showcase their projects (prototype), to interact with mentors, faculty members and other students from different domain of different branches. The interaction with all of them, helped the students to enhance the presentation skills and get support to upgrade their prototype into useful marketable products. It was also intended to conduct a preliminary review of student projects in order to identify and recommend them for SSIP and IPR reviews.

Event Overview:

1. **Date:** 5/03/2022 & 19/03/2022

2. **Place:** Gandhinagar Institute of Technology, Moti Bhoyan, Gandhinagar

3. **College:** Gandhinagar Institute of Technology (012)

4. **Outline of the event:**

Gandhinagar Institute of Technology had organized Design Demo Day-2022 on 5th & 19th March 2022 from 9:00 am onwards. The sixth semester students of Mechanical Engineering, Civil Engineering, Electrical Engineering, Electronics & Communication Engineering, Computer

Engineering & Information Technology had participated in the event. Students demonstrated their innovative ideas to the evaluation panel members, other faculty members and students. Total 469 students had presented their project ideas. The evaluation was done by the panel of internal faculty members of the institute. The best 3 projects of each department were given token of appreciation.

5. How many teams presented in which branch:

Sr. No.	Department	No. of Students	No. of Teams
1	Computer Engineering	215	61
2	Information Technology	116	44
3	Mechanical Engineering	65	17
4	Civil Engineering	45	11
5	Electrical Engineering	23	6
6	Electronics & Communication Engineering	5	2
	Total	**469**	**141**

6. Feedback from Students:

I am very thankful to the institute for organizing this event where I got a chance to interact with many faculty members & students and I can express myself in front of them. Please arrange more such interactions so that we become aware about the technological advancements in the industry.

-**Neel Golwelker-(190120111002)**

It was very good enlightening event for us students. We came to know about others work in an innovative way. Hope to attend same events in future.

- **Manan Gandhi-(200120106523)**

7. Feedback from faculty members:

The "Design Demo Day" organized by institute was very effective in encouraging students to acquire the skills needed in the industry. Such sessions help create an environment where the faculty experience guides students in preparing for the challenges they face upon graduation.

- **Prof. Megha Desai, APEC**

The projects that were undertaken by the students were innovative and many of the projects can be beneficial for the society if they are implemented and brought to the market.
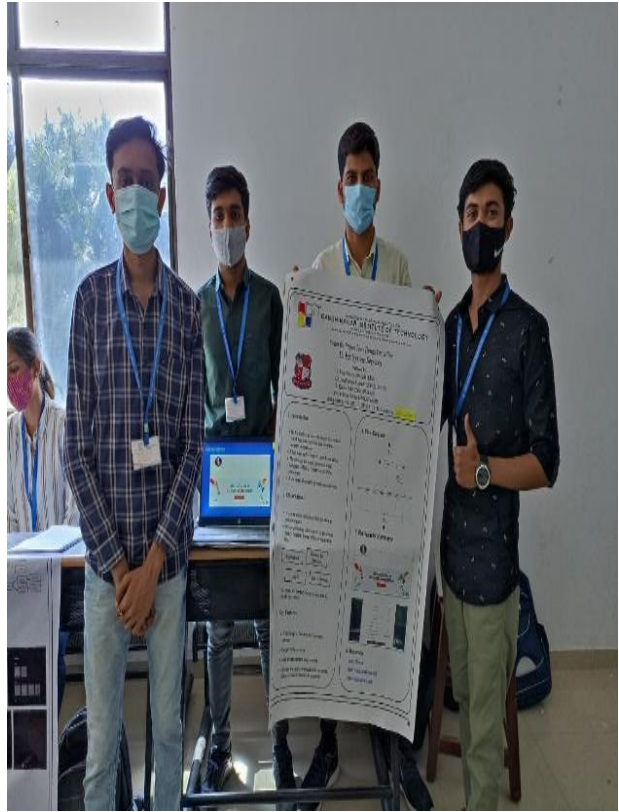
- Prof. Nirali Kapadia, APCE

8. Photos:

Computer Engineering Department
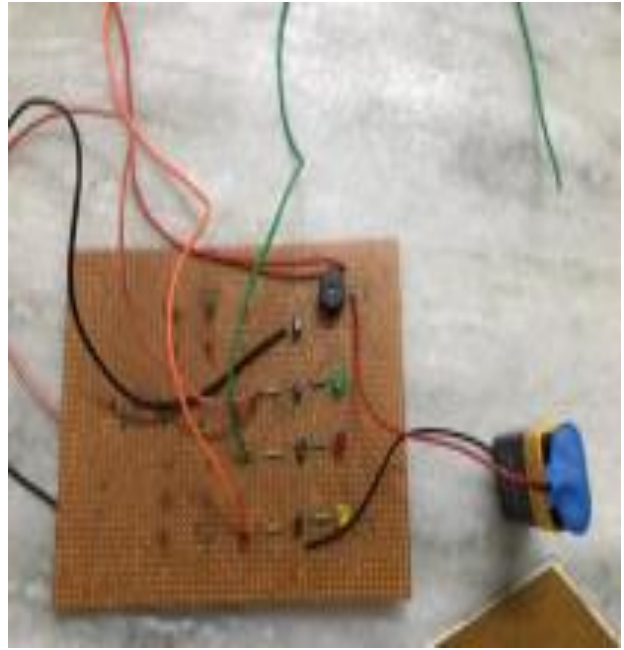
Information Technology Department

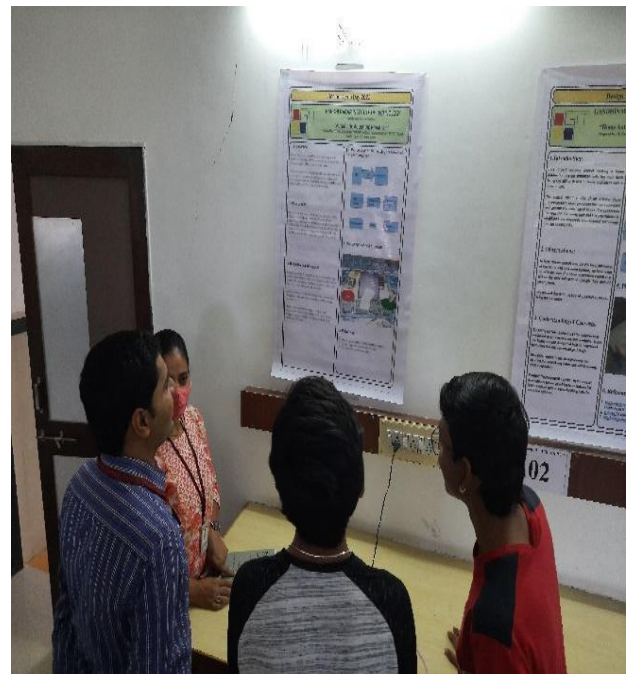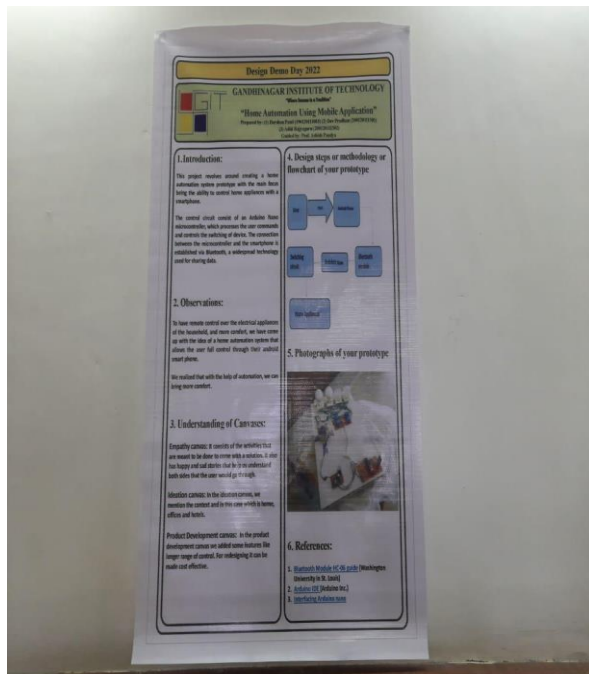# Mechanical Engineering Department

Civil Engineering Department

Electrical Engineering Department

Electronics & Communication Engineering Department

9. Mention which department did what:

All the department head and faculties motivated students to attend Design Demo Day. Each faculty will instruct supervised students to complete the project and summarize the work on a poster. Design Demo Day guidelines were provided to students by respective department coordinators and faculty guide.

10. Key insights/ benefit/learning from the event:

It was a great success with proposals to students who demonstrated their diligence and technical ability by demonstrating innovative ideas, faculty guides who provided continuous guidance, and evaluation panel members who gave valuable suggestions to the students. Students also had the opportunity to learn about other student's unique ideas.

Details of Best 3 Projects

Rank	Team /Group No.	Enrollment No.	Full Name	Title
**Computer Engineering Department**
1	GIT_CE_22_15	200120107524	Patel Ankit	Online Hiring and Job Search
		200120107535	Panchali Siddharth	
		200120107561	Madhu Deepen	
		200120107569	Prajapati Nishith	
2	GIT_CE_22_31	190120107098	Kartik Patel	Fee Payment and Management System
		190120107103	Meet Patel	
		190120107111	Urvish Patel	
3	GIT_CE_22_33	190120107159	Vishwas Himanshukumar Shukla	Ultra-Sonic Spectacles for Visually Impaired
		190120107126	Rathod Nikunj Vinodbhai	
		190120107092	Patel Bhavya Vinodkumar	
		190120107151	Shah Tanay Jignesh	

Information Technology				
Rank	Team /Group No.	Enrollment No.	Full Name	Title
1	GIT_IT_ 22_01	200120116501	Agrawal Nikhil	E-Towing
		200120116526	Gajjar Abhi Bhagvanjibhai	
		200120116518	Dave Akshat Jigeshkumar	
		200120116513	Dhanani Ronak Rakeshbhai	
2	GIT_IT_ 22_04	200120116503	Tulsi Mayur Thakkar	Everyday Expense Tracker
		200120116509	Niyati Sachinbhai Tailor	
		200120116507	Drashti Kirtibhai Shah	
3	GIT_IT_ 22_31	190120116022	Jhanvee Handoo	Travel Catalogue
		190120116103	Shah Isha Akshaykumar	
		190120116104	Kairavi Mitesh Shah	
		190120116122	Verma Riya Jay Krishna	

Mechanical Engineering Department				
Rank	Team/Group Id No.	Enrollment No.	Full Name	Title
1	GIT_ME_ 22_04	200120119511	Khushal Vikrambhai Prajapati	Fuel Flow Meter
		200120119543	Dhruv Prakashbhai Tavre	
		200120119539	Nikhil Bhaikamlesh Kumar Suthar	
		200120119507	Veer Sanjaybhai Panchal	
2	GIT_ME_ 22_03	200120119502	Rana Bhavinkumar Rameshbhai	Additive Manufacturing By 3d Printing
		200120119528	Shah Jeel Umeshkumar	
		190120119005	Karimi Mohammed Bilal Moh Abid	
		190120119002	Desai Advait Ashit	
3	GIT_ME_ 22_02	200120119548	Darshan Jagdishkumar Parikh	Automatic Self Folding Dining Table with Voice Activated
		200120119512	Varun Poras Desai	
		200120119517	Jil Rohitkumar Pandya	
		200120119523	Udubha Fulsang Zala	

Civil Engineering Department				
Rank	Team/ Group No.	Enrollment No.	Full Name	Title
1	GIT_CL_ 22_01	190120106004	Agam Doshi	Water Absorbing Road
		190120106011	Dhruvi Sheth	
		190120106005	Hitanshi Lakhariya	
		190120106007	Parmar Ankit	
2	GIT_CL_ 22_05	200120106523	Manan K. Gandhi	Strength of Concrete using Cocount Shell
		200120106533	Niki M. Panchal	
		200120106536	Ayushi R. Chakrabarti	
3	GIT_CL_ 22_06	200120106503	Vivek Khatri	Crum Rubber
		200120106509	Sahil Prajapati	
		200120106514	Jahnvi Meswania	
		200120106508	Vatsal Vadhiya	

Electrical Engineering Department				
Rank	Team/ Group No.	Enrollment No.	Full Name	Title
1	GIT_EE_ 22_04	190120109003	Gajjar Krunalkumar Mahendrakumar	5 in 1 Inverter Charging Circuit
		190120109001	Dave Utkarsh Arunkumar	
		200120109521	Gajjar Deep Kamalbhai	
		200120109508	Parmar Punit Vinodkumar	
2	GIT_EE_ 22_09	200120109517	Khan Faizaan Ahmed Kalim Ahmed	Commercial Power Saver
		200120109519	Shaikh Mohdbilal Mohdshafiq	
		200120109520	Shaikh Mohammedraza Abadbhai	
3	GIT_EE_ 22_05	150124109013	Prajapati Piyushkumar Prahladbhai	Home Automation
		200120109516	Patel Daxesh Vipulbhai	
		200120109504	Patel Vansh Navinkumar	
		200120109510	Patel Yash Kirtikumar	

Electronics & Communication Engineering Department				
Rank	Team/ Group No.	Enrollment No.	Full Name	Title
1	GIT_EC_ 22_02	190120111003	Patel Darshankumar Dineshbhai	Home Automation
		200120111501	Pradhan Dev Sunilbhai	
		200120111502	Rajyaguru Aditi Jogendrabhai	
2	GIT_EC_ 22_01	190120111001	Aasodiya Pavan Khushalbhai	Automatic Aquarium Equilizer
		190120111002	Golwelkar Neel Amit	