

Gandhinagar Institute of Technology

A Report on "Design Demo Day" (26 March 2021)

Introduction:

Gandhinagar Institute of Technology had organized Online Design Demo Day-2021 on 26th March 2021 with the permission of Dr H N Shah, Director. The event was organized for third year students as a part of the curriculum. Total 491 students of different branches like Computer Engineering, Information Technology, Mechanical Engineering, Civil Engineering, Electrical Engineering and Electronics & Communication Engineering were given platform to show their design thinking capability by showing their project ideas.

Objective:

The objective of the Design Demo Day was to give platform to demonstrate the innovative ideas for solving community problems. The silent objective was to enhance the presentation capabilities and skills of the students. The conversation with evaluation panel members and other faculties, helped them in upgrading their prototype model and guide how to convert them as a final product. The objective was also to perform preliminary screening of the students' projects to identify and nominate them for SSIP review and IPR review.

Event Overview:

- 1. Date: 26/03/2021
- 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 Virtual Design Demo Day-2021 on 26th March 2021 from 9:00 am onwards. The third-year students of different branches like 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 and other faculty members. Total 491 students had presented their 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.

Sr. No.	Department	No. of Students	No. of Teams
1	Computer Engineering	211	57
2	Information Technology	128	36
3	Mechanical Engineering	72	21
4	Civil Engineering	44	12
5	Electrical Engineering	23	6
6	Electronics & Communication Engineering	13	6
	Total	491	138

5. How many teams presented in which branch:

6. Feedback from Students:

I am very thankful to the SSIP club for organizing such a wonderful event. I got great technical knowledge. Please arrange more such interactions so that we become aware about the technological advancements in the industry.

Sreeraj S Tharakan-

(180120111010)

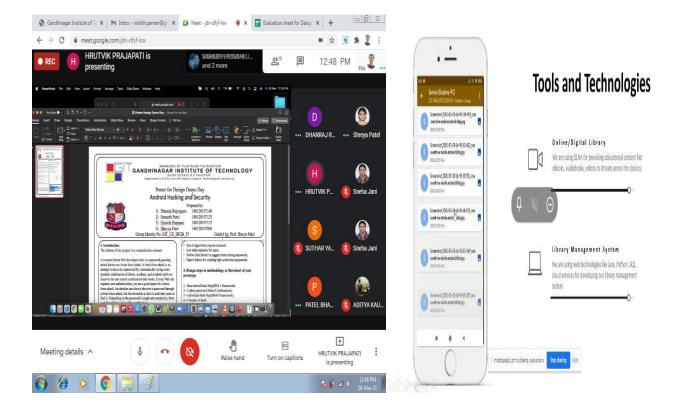
7. Feedback from faculty members:

The design demo day organized by SSIP was very effective for encouraging students to develop skills required by the industry. Such session helps to create an environment where experience of faculty can guide the students to get prepared for the challenges they are going to face after graduation.

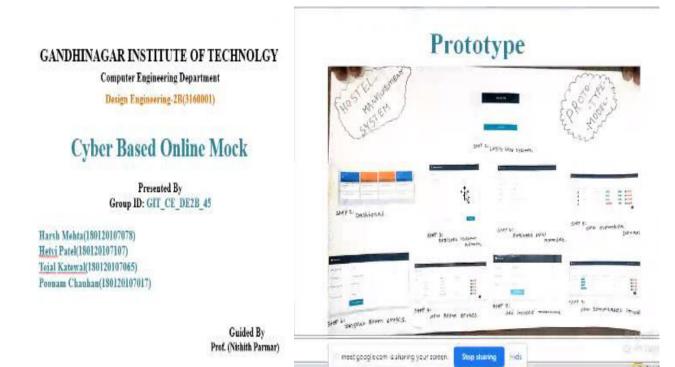
- Prof. Chintan Patel, APEC

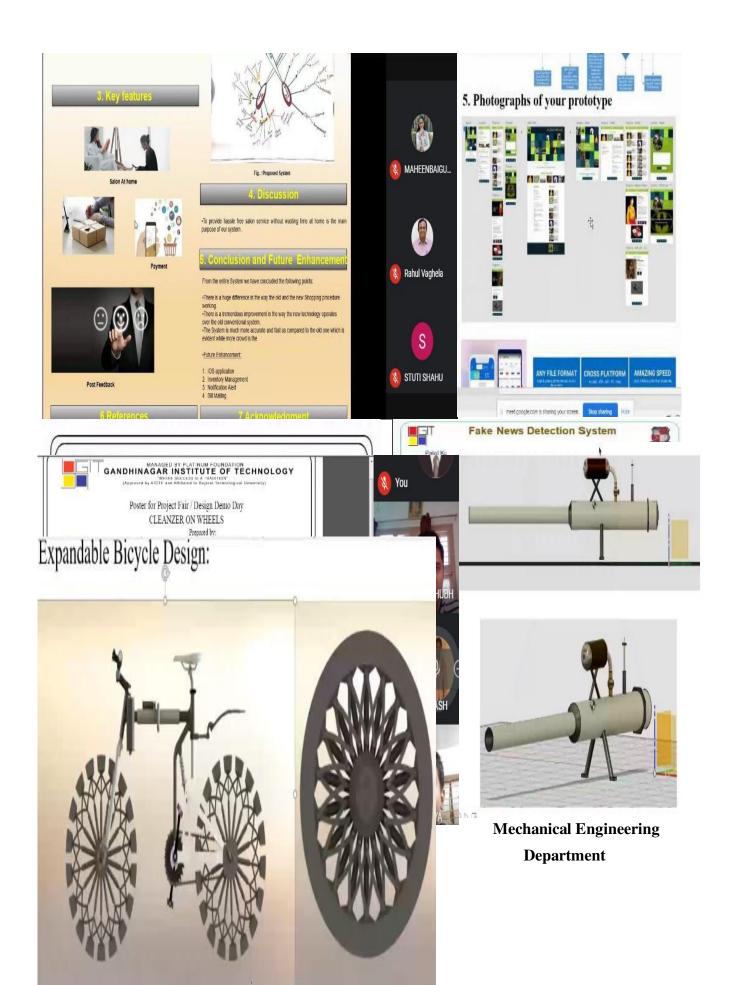
8. Photos:

Computer Engineering Department

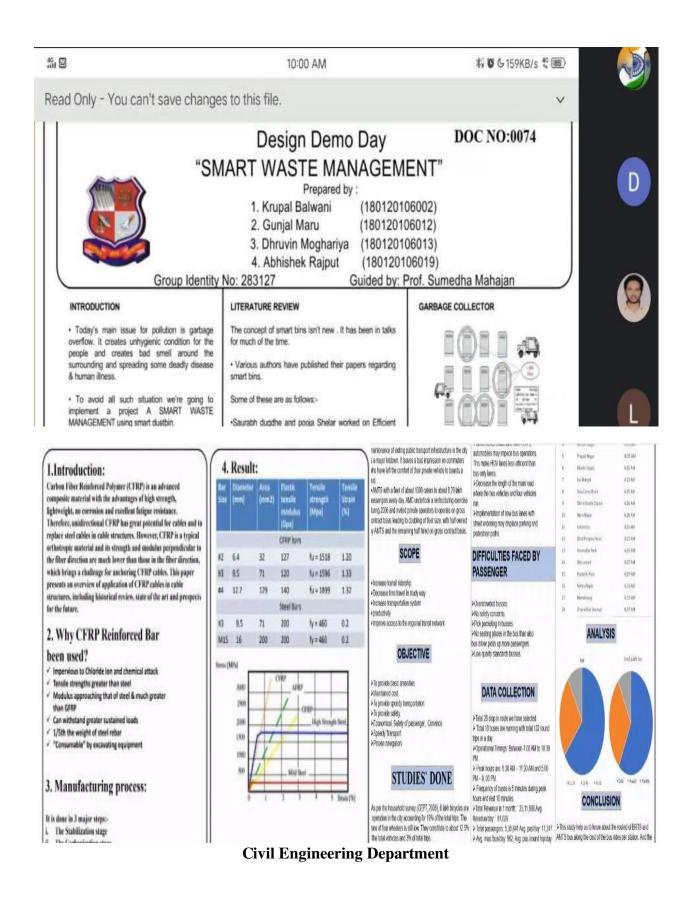


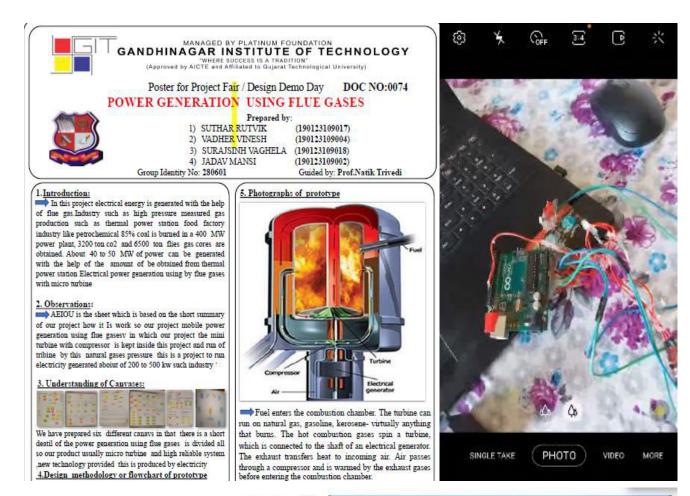
Information Technology Department

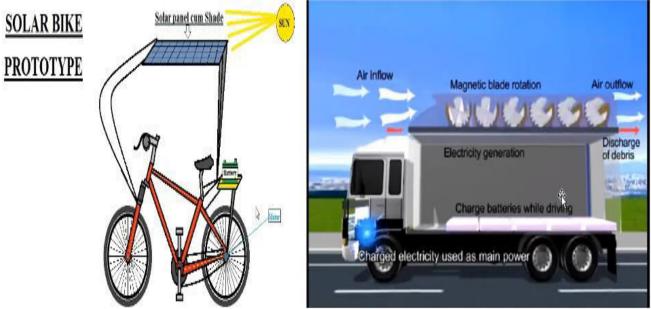




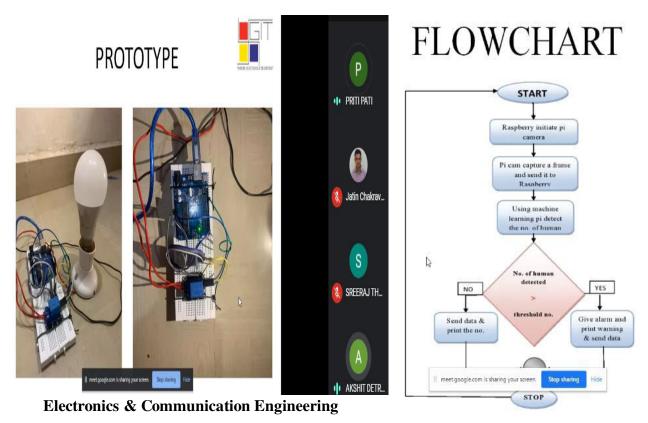








Electrical Engineering Department



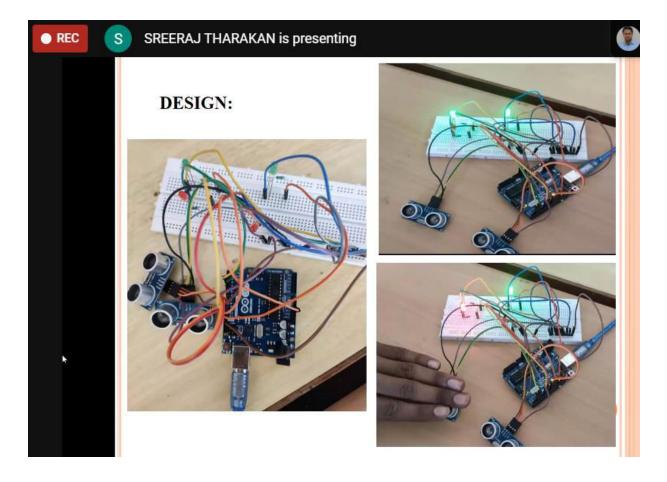
Department

9. Mention which department did what:

All the department faculties had motivated the students to participate in the Design Demo Day. The respective faculty guides mentored students to complete their projects and summarize their work into the poster. The students were provided the guidelines for the Design Demo Day by their respective department faculties & their guides.

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

The event was grand success due to the collective efforts of students who had shown their hard work and technical skills by demonstrating their innovative ideas, faculty members who guided the students continuously and suggestions from evaluation panel members and other faculties to the students. Students also got a chance to know others' unique ideas.



Details of Best 3 Projects

Computer Engineering Department				
Rank	Team /Group No.	Enrollment No.	Full Name	Title
	GIT_CE_ 21_09	180120107079	Sanskar Mehta	
1		180120107080	Het Mistry	Smart Mask Detection
1		180120107111	Jay Patel	Entry Gate/ Machine Learning
		180120107098	Ayush Parikh	
	GIT_CE_ 21_51	180120107011	Utsav Bhavsar	
2		180120107067	Kunal Kothari	Online Recruitment
		180120107186	Manan Vora	System
		180120107184	Aman Velani	
	GIT_CE_ 21_40	180120107188	Yadav Sunny	
2		180120107162	Shukla Hrushindra	Smart Parking System
3		180120107166	Sojitra Urvish	
		180120107174	Thakkar Maurya	

Information Technology Department					
Rank	Team /Group No.	Enrollment No.	Full Name	Title	
	GIT_IT_ 21_13	180120116106	Shukla Tirth D	Voice Based Email for	
1		180120116112	Soni Kanal B	Visual Challenged	
		180120116100	Shah Kavya N		
	GIT_IT_ 21_25	180120116060	Patel Gaurav G		
2		180120116061	Patel Happy N	Predicting Air Pollution Level in Specific City	
2		180120116049	Panchal Darshil D	Level in Specific City	
		180120116007	Barad Malav A		
3	GIT_IT_ 21_30	190123116022	Parmar Krushang D		
		190123116020	Modi Raj M	Kidzoo Learning with	
		190123116009	Parmar Rajan A	Happiness	
		190123116001	Chauhan Sohil I		

Mechanical Engineering Department				
Rank	Team/Group Id No.	Enrollment No.	Full Name	Title
	GIT_ME_ 21_01	190123119039	Soni Janardan	
		190123119003	Hingu Abhishek	
1		190123119013	Patel Dharmik K	Home/Wall Clock
		190123119014	Rami Tirth A	
		190123119015	Rana Mihir S	
	GIT_ME_ 21_05	190123119012	Patel Devang S	
		190123119010	Pandey Rohitkumar K	Modified of Fire Artillery
2		190123119034	Senva Nirmal J	Modified of Fire Artillery
		190123119023	Kharvar Sagarkumar P	
	GIT_ME_ 21_12	190123119002	Bhavsar Yash P	
3		190123119008	Panchal Shubh M	
		190123119035	Shah Saumya D	Cleanzer On Wheels
		190123119011	Pandya Mayur S	
		190123119029	Patel Aditya S	

Civil Engineering Department				
Rank	Team/ Group No.	Enrollment No.	Full Name	Title
		180120106002	Krupal Balwani	
		180120106012	Maru Gunjal	
1	GIT_CL_ 21_03	180120106013	Dhruvin Moghriya	Smart Waste Management
		180120106019	Abhishek kumar Rajput	
	GIT_CL_ 21_07	180120106011	Shakti Makwana	Rainwater Harvesting at
2		180120106016	Smit Patel	Primary School Campus
2		180120106007	Darshil Jain	- Case Study Design
		180120106009	Darshil Koshti	and Implementation
3	GIT_CL_ 21_08	190123106015	Mehul Rathour	
		190123106005	Vanpariya Deep	Transportent Concrete
		190123106018	Sharma Nirav	Transparent Concrete
		190123106007	Tushar Kachariya	

Electrical Engineering Department				
Rank	Team/ Group No.	Enrollment No.	Full Name	Title
		190123109011	Prajapati Nikunj	
	GIT_EE_	190123109014	Senma Atul	90 Degree Rotating Solar
1	21_05	190123109008	Panjriwala Sachin	Panel by using LDR
	21_00	190123109010	Patel Ravi	Sensor
	GIT_EE_	190123109001	Bathani Daksh	
2		190123109003	Shaikh Saffan	Safety Limiting and Locking Entrance
2	21_02	190123109009	Parmar Nishit	Controller
		190123109016	Solanki Nilesh	
3		190123109017	Suthar Rutvik	
	GIT_EE_ 21_03	190123109018	Vaghela Surajsinh	Power Generation using
		190123109004	Vadher Vinesh	Flue Gases
		190123109002	Jadav Manshiben	

Electronics & Communication Engineering Department					
Rank	Team/ Group No.	Enrollment No.	Full Name	Title	
1	GIT_EC_	180120111010	Sreeraj S Tharakan	Car and Road Safety	
1	21_02	180120111005	Twisha Patel	Car and Road Safety	
		180120111003	Gourav Mishra		
2	GIT_EC_			Dense and Sparse Crowd	
2	21_04	180120111008	Sanjana Singh	Estimation Using Opencv	
		180120111001	Akshit Detroja		
3	GIT_EC_ 20 05	180120111006	Priti Pati	Voice Activated Home Automation	
	20_05	180120111009	Dhanshree Thaker	Automation	