Gandhinagar Institute of Technology

A Report on

"Project Fair"

(27 March 2021)

Introduction:

Gandhinagar Institute of Technology had organized Online Project Fair-2021 on 27th March 2021 with the permission of Dr H N Shah, Director. The event was organized for Final year students as a part of the curriculum and as per the guidelines provided by GTU. Total 549 students of different branches like Computer Engineering, Information Technology, Mechanical Engineering, Civil Engineering, Electrical Engineering and Electronics & Communication Engineering were given platform to demonstrate their projects.

Objective:

The objective of the event was to provide opportunity to show-casing their creativeness and talent. The objective was also to perform preliminary screening of the students' projects to identify nominate them for SSIP review and IPR review.

Event Overview:

1. **Date:** 27/03/2021

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 Project Fair-2021 on 27th March 2021 from 9:30 am onwards. The Final year students of different branches like Computer Engineering, Information Technology, Civil Engineering, Mechanical Engineering, Electrical Engineering & Electronics & Communication Engineering have participated in the project fair. They exhibited their innovative projects to the industry experts, faculty members & pre-final year students. All the final year students had also prepared the Online posters along with

their live demo in the fair with the help of their respective Panel Members. Total 549 students had presented their ideas. The evaluation was done by the panel of 2 institute faculty & 1 industry expert. The best 3 projects of each department were given token of appreciation.

5. Expert Panel (Review Project):

Sr No	Department	Panel Members
1	Computer Engineering	Mr Mittal Patel, Dr Rajan Patel, Prof Krishna Suchak
2	Information Technology	Dr.Chintan Shah, Prof.Rahul Vaghela, Prof. Pooja Shah
3	Mechanical Engineering	Mr. Yagnesh Zinzuvadiya, Prof. Dhaval P Patel, Prof. Sajan K Chourasia
4	Civil Engineering	Mr. Nitesh Patel, Prof. Sandip Kapadiya, Prof. Jignesh Vaniya,
5	Electrical Engineering	Prof. Hardik Bhatt, Prof. Hitesh Manani Prof. Rahish Silavat
6	Electronics & Communication Engineering	Prof. Hardik Bhatt, Prof. Jatin Chakravarti, Prof. Mitul Maniar

6. How many teams presented in which branch:

Sr No	Department	No of Students	No of Teams
1	Computer Engineering	200	71
2	Information Technology	125	50
3	Mechanical Engineering	125	34
4	Civil Engineering	59	17
5	Electrical Engineering	26	7
6	Electronics & Communication Engineering	14	6

	Total	**549**	**185**

7. Feedback from industry mentors/experts:

It was a pleasure for me to visit your college and review the Computer Engineering Department's projects using the Virtual Platform as a representative of my business. Students think differently, have a positive attitude, and are strong communicators. I discovered that students had creative and good ideas. If I am invited to another Offline Project fair in the future, I would be grateful.

- **Mr. Mittal Patel, Pragnakalp Techlab**

Nice work done by students. Some of the projects were excellence and they have done great job. We are happy to be part of project fair.

- **Dr. Chintan Shah, Senior NLP Developer**

It was a good effort done by students. We observed the good skills and hard work of students.

- **Mr. Yagnesh Zinzuvadiya, Director, Agile Machineries Pvt. Ltd., Ahmedabad.**

It is very much interesting to see all the projects carried out by students under guidelines of faculty members. After observing the exercise which was allotted by GTU as a part of Final year project, the students got real appreciation, at the same time it increases innovative thinking. I congratulate all students who participated in the projects by putting their best efforts to perform well. All the projects are attractive and well laid. I appreciate all student spirit teamwork and hard effort. I am extremely happy to announce prize to the best projects.

- **Mr. Nitesh Prajapati, Assist. Eng., Gujarat State Police Housing Corp. Ltd. Gandhinagar.**

It was very god idea of arranging the online project fair observing present covid situation. I am very thankful to the institute for inviting me as an expert for the evaluation of the final year projects. All the students showed very hard work for their projects. They are trying to provide better service and safety to society through innovation. I have given suggestions to all the students for improving their projects and how they can prepare themselves as future engineers.

- Mr. Mihir Saraiya, Founder, AllAutomatic.

8. Feedback from final year teams:

It was a fantastic opportunity to be a part of this Virtual project fair. Attending the Virtual project fair has a new experience and number of benefits, such as learning about different projects and proposals from different people. We received the value of learning how to present proposals by engaging in the project fair.

- Arunshi Gupta- (170120107043)

This was an opportunity given to us by our college to show our innovation and idea to others and increase the awareness about the same at a greater scale. The external experts gave us fruitful suggestions as well as appreciated the projects with exuberance. This gave us a real time experience of not only working on an idea but at the same time representing the idea to others. The project fair gave a platform to plenty of ideas to be displayed and hence get noticed.

- Nishi Gothi (170120116019)

The platform of Project Fair motivates me for developing the innovative project idea. The discussion with our juniors and comments from industry expert has helped me in the validation of my project. Overall, it was a great experience and thanks for providing such platform.

– Karan Gounder (170120119021)

The atmosphere of the fair was very lively, the experience was wonderful. The guidance of the external faculty was extra ordinary and motivates the student. Project fair can invent new materials, improve existing materials, test the properties of materials, or compare the suitability of different materials for a specific purpose.

– Zalak D Mody (170120106021)

It was an awesome experience as we got to interact with the expert and the faculty members. The initiative taken by GTU can help us in implementing more ideas into our project and making it more innovative. The project fair was inspiring with great abundant of knowledge.

- Shaema Vora (170120109010)

It was an awesome experience as we got to interact with the expert and the faculty members. The initiative taken by GTU can help us in implementing more ideas into our project and making it more innovative. The project fair was inspiring with great abundant of knowledge.

- Charmi Parikh (17012011003)

9. Feedback from faculty members:

Now-a-days, in recent field and advancement of technology, students must have the knowledge of fundamentals and cores of engineering. And in this way, by organizing project evaluation activities, students got idea and motivation of inventing or creating something new. They can also improve their past project and get into depth to the technology.

- Prof. Sejal Bhavsar, APCE

All the projects and hard work of students were excellent but some of them were not just better in implementation but also in terms of innovation.

- Prof. Prakash Patel, APIT

The interaction opportunity in such kind of Project Fair helps students in connecting with the customers to take their feedback. The comments of industry expert will help them in converting their ideas into the product which can complete in current market situation.

– Prof Jyotin Kateshia, APME

It was a great tool to know the innovative minds. The demonstration of innovative idea not only boost participants' confidence but also setting up an example for the juniors to work harder for serving the society.

– **Prof Jignesh Vania, APCL**

The project work done by the final year student is appreciable. This time I found very new and innovative projects in Virtual project fair organized at our institute. This type of project fair helps the students to build-up their confidence level and encourages them for their future.

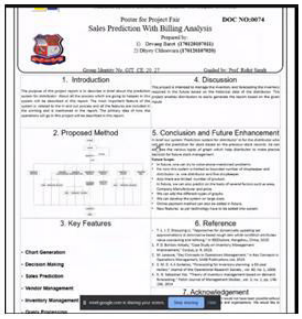
- **Prof. Hitesh Manani, APEE**

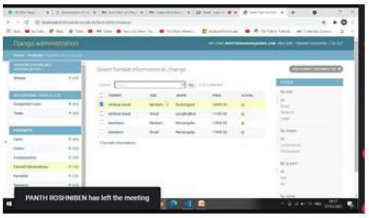
The Project Fair created enough enthusiasm among the final year and pre-final year students. It was wonderful experience. By observing the project fair, upcoming students can learn the ideas of innovative project definitions and that will be very helpful for them.

– **Prof Hardik Bhatt, HOD-EC**

10. Photos:

Computer Engineering Department


Poster for Project Fair DOC NO:0074
Sales Prediction With Billing Analysis
1. Introduction
4. Discussion
2. Proposed Method
5. Conclusion and Future Enhancement
3. Key Features
6. Reference
7. Acknowledgement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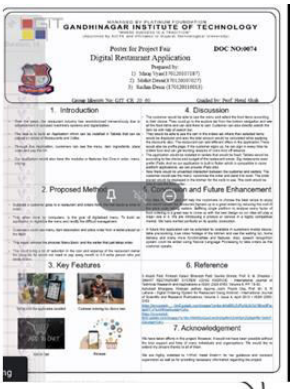
GANDHINAGAR INSTITUTE OF TECHNOLOGY
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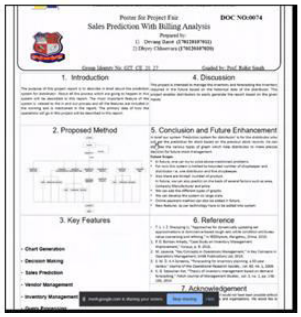
1. Introduction
4. Discussion
2. Proposed Method
5. Conclusion and Future Enhancement
3. Key Features
6. Reference
7. Acknowledgement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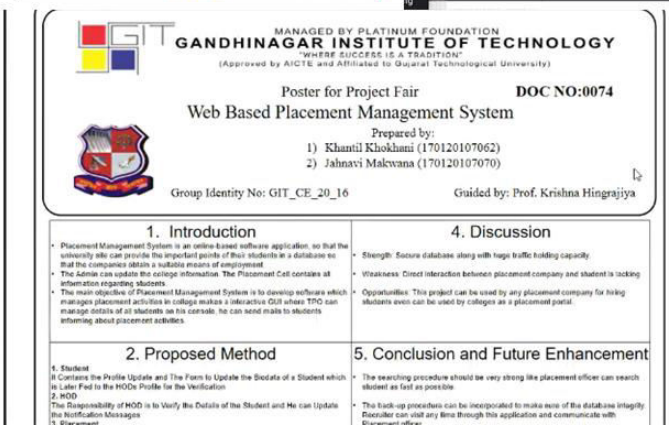
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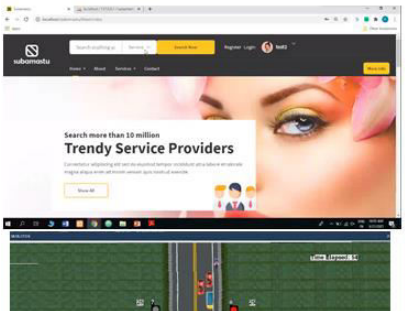
GANDHINAGAR INSTITUTE OF TECHNOLOGY
"WHERE SUCCESS IS A TRADITION"
(Approved by AICTE and Affiliated to Gujarat Technological University)
Poster for Project Fair DOC NO:0074
Web Based Placement Management System
Prepared by:
1) Khantil Khokhani (170120107062)
2) Jahnavi Makwana (170120107070)
Group Identity No: GIT_CE_20_16
Guided by: Prof. Krishna Hingrajiya
1. Introduction
4. Discussion
2. Proposed Method
5. Conclusion and Future Enhancement

Information Technology Department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Medicine Reminder And Advisor
Patel Ameet (160120116046) Patel Drashti (160120116053) Patel Neel (160120116063)
Guided by: Prof. Pooja Shah
Gandhinagar Institute of Technology, Moti Bhoyan, Gandhinagar
1. Introduction
2. Proposed Method
3. Key Features
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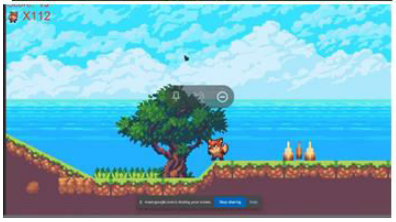
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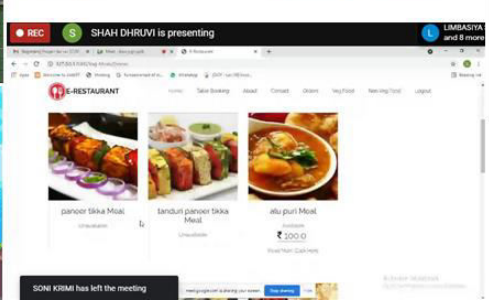
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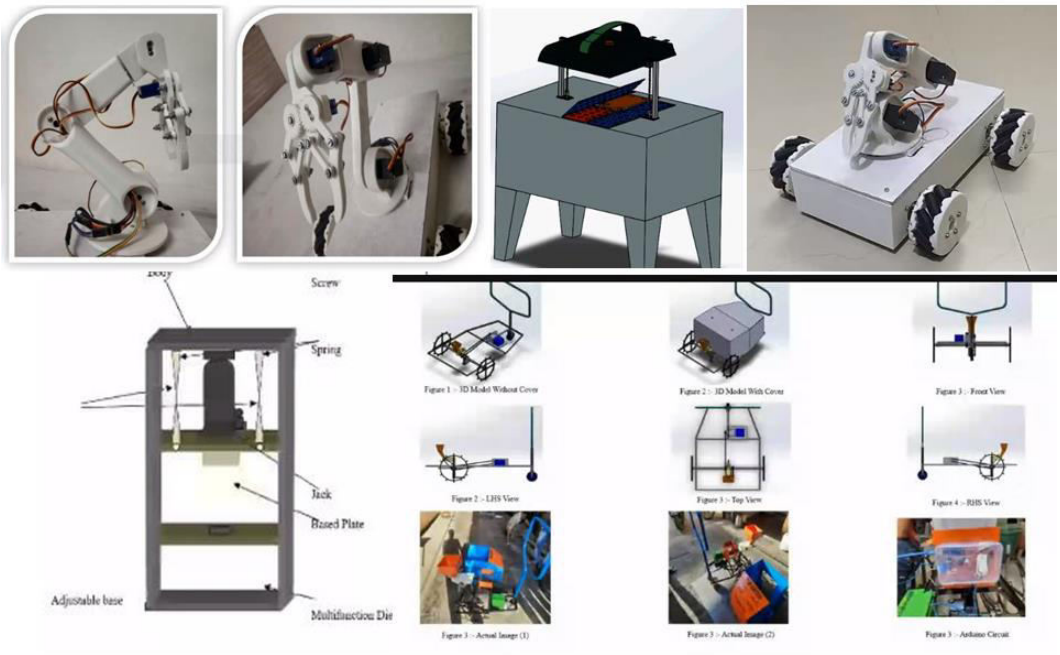
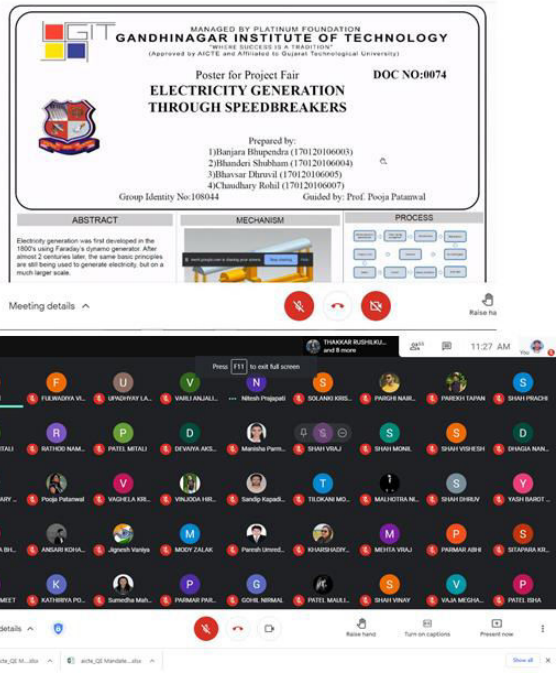
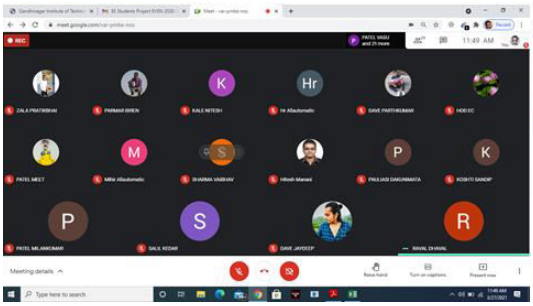
Mechanical Engineering Department

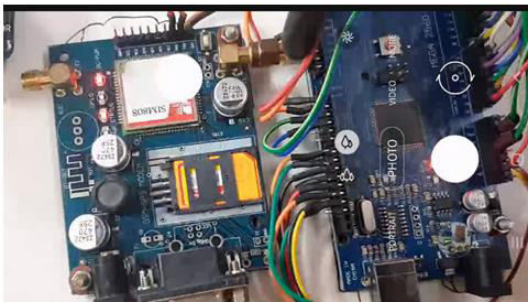


Civil Engineering Department

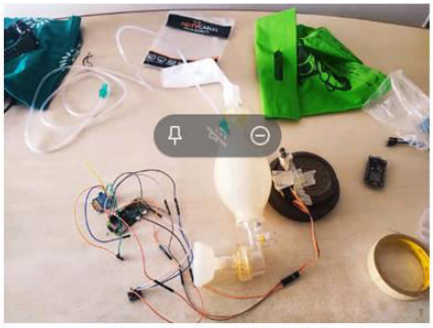


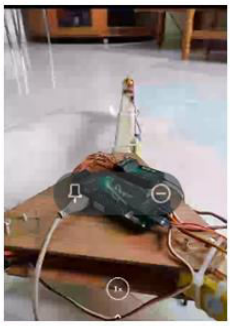
Electrical Engineering Department

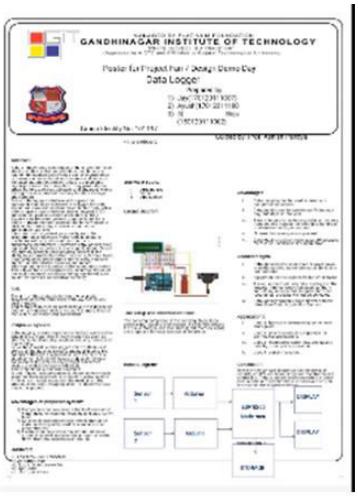


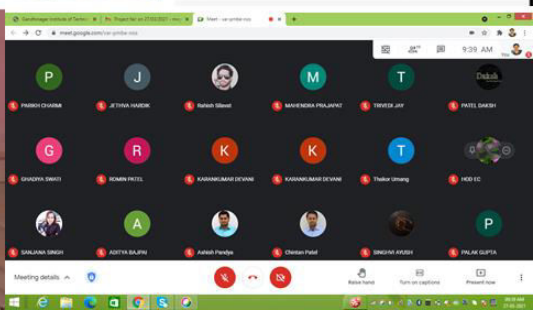


Electronics & Communication Engineering Department









11. Mention which department did what:

All the department faculties have motivated the students to participate in the Project Fair. The respective guides have mentored them to complete their projects and summarize their work into the Poster as per the GTU format. The students were provided the guidelines for the Project Fair by their respective department faculties & their guides.

12. Feedback from 3rd year students:

All the students' projects and hard work were excellent, but some of them were not only better in terms of implementation but also in terms of innovation. I was there from 10 a.m. to 11 a.m. and saw many projects through virtual platform, but the one that stood out to me the most was "Hand Gesture." Overall, the fair was extremely well-organized and beneficial to all pre-final-year students although it is on virtual platform.

- **Shreya Shah (180120107156)**

Project Fair 2021- Participating in this project fair helped me to see a variety of projects, which was a beautiful experience for me. I've also learned many things from the Students' projects.

- **Patel Harshil (180120116062)**

Sometimes we need more enthusiasm and creativity to think for betterment of society. Great initiative and performance by the students. Few projects were extraordinary.

- Abhishek Hingu (190123119003)

I am very much thankful to the Gujarat Technical University for giving such innovative ideas and guidelines for the students of final year, I am also thankful to my Gandhinagar institute of technology for providing such a platform for the students of final year and giving them the opportunity to present their ideas to the experts who can help them out and show the way for future.

– **Jain Darshil (180120106007)**

It is great to watch and observe such innovative projects. After seeing their projects, I think that I can carry forward one of the projects with future enhancement.

- Yusuf Pulawvala (180120109002)

I am really impressed by their innovative projects. After seeing their projects, I think that I can carry forward one of the projects with future enhancement.

- Sanjana Singh (180120111006)

13. Any other thing you wish to add:

It was nice experience to provide such a platform to the students of final year. This will not only enhance their knowledge but make them more confident. The interaction with the industry experts helps them in making their project into market ready product.

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

The event had become a grand success due to the collective efforts of Final year students who have shown their hard work and technical skills by demonstrating their projects, faculty members who have guided the students persistently, third year students who have asked the queries to their seniors with great enthusiasm, other department faculties and students who have enliven the environment with interdisciplinary questions and expert who have educated and motivated the final year students for enhancing their technical and analytical skills and preparing themselves for the demand of the industry.

Details of Best 3 Projects

Computer Engineering Department				
Rank	**Team /Group No.**	**Enrollment No.**	**Full Name**	**Title of IDP/UDP**
1	GIT_CE_ 20_51	170120107133	Bhavesh Poptani	Wireless Hand Gesture to Speech Conversion
		170120107163	Yash Sharma	
		170120107138	Pranav Pandita	
2	GIT_CE_ 20_65	170120107031	Yogeshkumar Devnani	Movie Recommendation System
		170120107048	Abhee Hudani	
3	GIT_CE_ 20_67	170120107126	Tirth Patel	Speech Recognition System
		170120107148	Niyati Salot	
		170120107167	Niyati Sheth	

Information Technology				
Rank	**Team /Group No.**	**Enrollment No.**	**Full Name**	**Title of IDP/UDP**
1	GIT_IT_ 20_37	170120116099	Aman Sharma	Smart Traffic management system
		180123116012	Raxit Patel	
		180123116018	Sidhhapura Jaydeep	
2	GIT_IT_ 20_29	170120116025	Asit Kamani	Modus music system
		170120116026	Jay Katariya	
		170120116036	Harsh Mistry	
3	GIT_IT_ 20_41	170120116091	Shah Neel Keyur	THE World Of Learning (The WOL)
		180123116016	Raval Kirit M	
		180123116006	Jadeja Kavan R	
3	GIT_IT_ 20_03	170120116063	Patel Neelkumar	Medicine Advisor And Reminder
		170120116053	Drashti Patel	
		170120116046	Amee Patel	

Mechanical Engineering Department				
Rank	**Team/Group Id No.**	**Enrollment No.**	**Full Name**	**Title of IDP/UDP**
1	GIT_ME_ 2020_G018	170120119017	Gandhi Yugma N	Aerial reforestation
		170120119089	Shah Nirmitkumar H	
		170120119087	Shah Devansh A	
		170120119016	Gandhi Meet Jignesh	
2	GIT_ME_ 2020_G010	170120119010	Chorge Abhishek D	Automatic Agricultural Field Weeder, Seed Sower and Water Sprayer
		170120119083	Savani Parth R	
		170120119079	Rajput Adarsh R	
		170120119084	Shah Aashay G	
2	GIT_ME_ 2020_G020	170120119008	Chauhan Darshan M	Robotic Assistant
		170120119003	Antala Priyank M	
		170120119009	Chavda Maitreysinh	
		170120119015	Dhanani Dhruvil M	
		170120119082	Sankhala Prashant G	
3	GIT_ME_	170120119086	Shah Chinmay Jaimin	Vacuum Assisted Wall

	2020_G023	170120119101	Suthar Nikesh S	Climbing Device
		170120119092	Shah Shubh B	
		170120119103	Thakar Harsh Jayesh	
3	GIT_ME_ 2020_G021	160120119060	Nakhuda Adib	AI Powered Multipurpose Robotic Arm
		170120119032	Makwana Akshay	
		170120119057	Patel Jeel M	
		170120119062	Patel Kishan M	

Civil Engineering Department				
Rank	**Team/ Group No.**	**Enrollment No.**	**Full Name**	**Title of IDP/UDP**
1	GIT_CL_ 20_15	170120106023	Nairut Parghi	Structural And Non-Structural Effects of Earthquake
		170120106028	Patel Maulik	
		170120106017	Harsh Mandaliya	
		170120106008	Akshay Devaiya	
2	GIT_CL_ 20_04	170120106021	Zalak Mody	Ground Improvement Solution To Mitigate Liquefaction
		180123106003	Dhorawala Deep	
		180123106012	Shah Mohil	
		180123106015	Shah Vraj	
3	GIT_CL_ 20_05	170120106015	Kathiriya Pooja	Stone Matrix Asphalt using Banana Fiber in Indian Roads
		170120106025	Patel Isha	
		170120106029	Patel Mitali	
		170120106039	Shah Prachi	

Electrical Engineering Department				
Rank	**Team/ Group No.**	**Enrollment No.**	**Full Name**	**Title of IDP/UDP**
1	GIT_EE_ 20_01	170120109002	Chhatbar Darshan M	Mobility Solution for Physically Challenged
		170120109003	Maken Vinit Ashok	
		170120109004	Patel Milankumar P	
		170124109001	Gohel Hemal Y	
2	GIT_EE_ 20_02	170120109006	Shah Henil Sandip	Design And Implementation Of Automatic Power Factor Correction (APFC) Technique For Power Factor Improvement
		170120109009	Trivedi Marmik R	
		170120109005	Raval Dhaval N	
		160120109004	Darji Purvesh D	
3	GIT_EE_	180123109016	Zala Pratikbhai R	Solar Bicycle &

	20_03	180123109005	Kale Nitesh H	Regeneration Technique
		180123109008	Parmar Biren P	
		180123109015	Upadhayay Rushabh	
Electronics & Communication Engineering Department				
Rank	**Team/ Group No.**	**Enrollment No.**	**Full Name**	**Title of IDP/UDP**
1	GIT_EC_ 20_01	180123111002	Chauhan Yogesh M	IOT Based Automatic Solar Panel Cleaning System
		180123111006	Thakor Umang B	
2	GIT_EC_ 20_02	170124111001	Palak Gupta	IoT Enabled Heathcare Bot
3	GIT_EC_ 20_03	170120111003	Parikh Charmi	Temperature Monitoring System using Bolt IOT
		180123111004	Ghadiya Swati D	