



## ABOUT PROJECT FAIR

- All the students of the final year (UG & PG) are required to show their project and /or posters relating to the project at a fair
- This Fair should be open to all the students and the faculty of the college and all the neighboring industries.
- For all final year students, taking part in the Fair should be considered a necessary part of the term- work.

Sr. No.	Department	No. of groups	No. of Students
1	Civil Engineering	14	52
2	Computer Engineering	22	48
3	E&C Engineering	12	33
4	Mechanical Engineering	35	126

## GTU INNOVATION COUNCIL

- GTU Innovation Council has arranged a Project Presentation and Poster Exhibition for all the students of the final year (UG & PG).
- All the students of the final year (UG & PG) are required to show their project and /or posters relating to the project at a fair.
- This Project Presentation and Poster Exhibition has been formed to fulfill below objective.
- Helps the students, who have done the three best projects to carry the project forward by providing design support and entrepreneurial support, as required by the students.
- Work with the Training and Placement cell of GTU to help the students obtain interview calls from good companies.

## PREPARATION OF POSTERS

Prepare the poster on material that is lightweight.

The material can be on one sheet so that it can be rolled up for easy transport or on separate panels for individual mounting.

Posters should be readable from a distance of 6 feet (2 meters). For adequate visibility, capital letters should be at least 3/8 inch (1 cm) high after enlargement to full poster size.

The team of students may prepare handouts about their project for distribution at the Fair.

## GUIDELINES FOR THE POSTER

1. Title: Arial (86 pt)
2. Team member's name, guide name, mention if
3. Any other contributor: Arial (48 pt)
4. Figure citation: Arial (25 or higher)
5. Rest of the text: Arial (30 pt)

### **Venue:**

**Ground Floor & 1<sup>st</sup> Floor,**

**Amathabha bhavan building,**

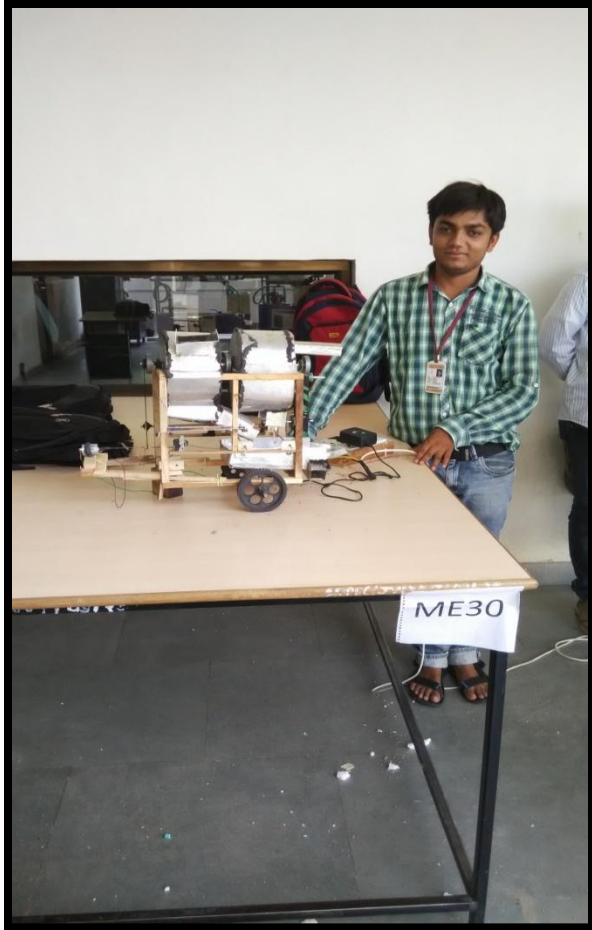
**SRPEC**

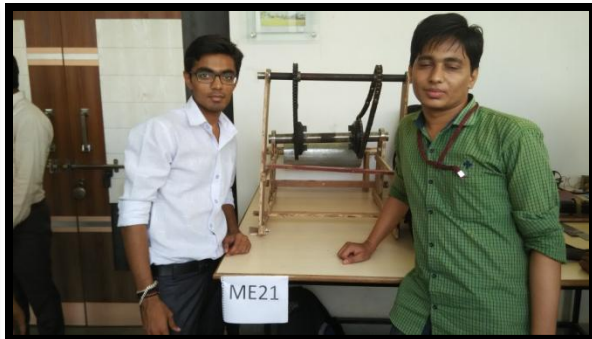
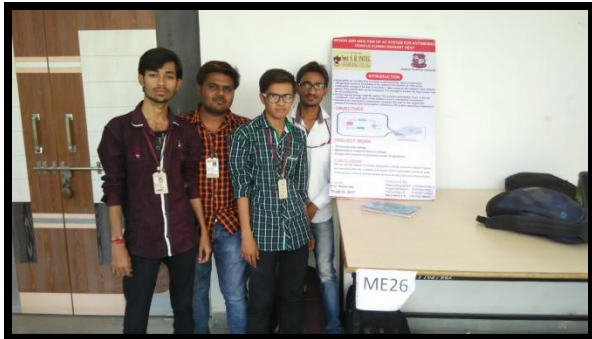
# PHOTO GALLERY OF POSTER

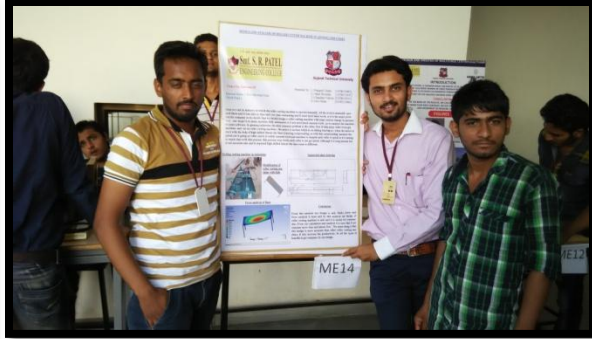


# PHOTO GALLERY OF PROJECT EXHIBITION







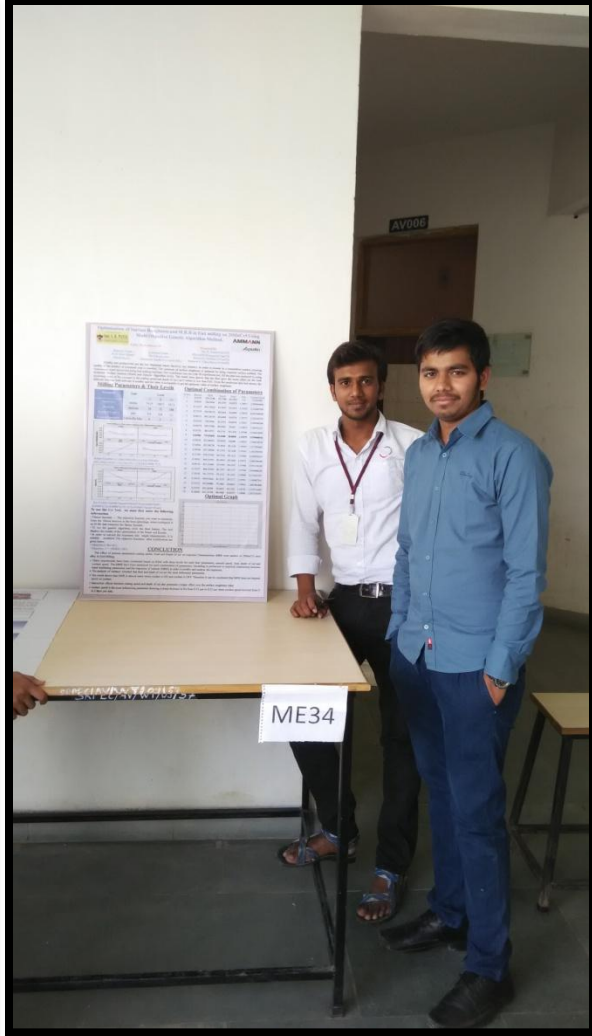












## LIST OF STUDENTS:

### EC

SR. NO.	Group No	NAME OF STUDENT	Model/ Poster	Title
1	EC1	Pagedar Avadhut Sunilkumar	M	i-GRUH : Home Appliances Device Manager
2	EC1	Patel Hirenkumar Jayantilal		
3	EC1	Thakker Chintan Raghuram		
4	EC2	Limbachiya Rushita N.	M	DEVELOPMENT OF POWER MONITORING AND ANALYSIS BASED ON WEB SERVER
5	EC2	Patel Payal P.		
6	EC2	Patel Asha K.		
7	EC3	Joshi Saurabh K.	M	Wireless health monitoring system
8	EC3	Chauhan Ripal M.		
9	EC3	Patel Milap B		
10	EC4	Patel Mayur S	M	E-RESTAURANT
11	EC4	Rajput Govind.C		
12	EC4	Rajput Suraj.R		
13	EC5	Ruchit M. Patel	M	To Control Boiler Operation Using PLC
14	EC5	Priyanka Thakkar		
15	EC6	Prajapati Paresh K.	M	Wireless and GSM based home automation
16	EC6	Jadav Haresh S.		
17	EC6	Bhatt Vivek S.		
18	EC7	Dabhi Chirag K	M	Advanced Automatic Lift Control System (PLC based)
19	EC7	Akash Patel		
20	EC7	Pinkal Patel		
21	EC8	Patel Payal S.	M	OBJECT HEATING BY FURNACE USING PLC.
22	EC8	Patel Poonam S.		
23	EC8	Patel Jaimy S.		
24	EC9	Patel Ronak P.	M	Intelligent Energy Saving System
25	EC9	Prajapati Naresh J.		
26	EC9	Bhupender Singh		
27	EC10	Kothari Raj Maheshbhai	M	Intelligent Vehicle System using GSM and GPS
28	EC10	Brahmbhatt Pranay Sunilkumar		
29	EC10	Mevada Khyati		
30	EC11	Vipul Vaishnav	M	Rfid based automatic toll tax collection system
31	EC11	Patel Pratik		
32	EC11	Patel Monika		
33	EC12	Parmar Hirenkumar Dungarbhai	M	I-Gruh: Sensor and Feedback

## MECHANICAL ENGINEERING

SR. NO.	Group No	NAME OF STUDENT	Model / Poster	Title
1	ME1	Patel Jenish Pravinbhai	M	Development of Electric Discharge Machine
2	ME1	Patel Kaushal Rajubhai		
3	ME1	Patel Kaushal Ashokkumar		
4	ME1	Prajapati Shekhar Amrutbhai		
5	ME2	Patel Deep Navinbhai	M	An AQUA Silencer as a Noise and Emission Controller
6	ME2	Patel Jaydeep Ishwarbhai		
7	ME2	Thakkar Gauravkumar Thavardas		
8	ME2	Patel Paresh Kanubhai		
9	ME3	Faruki Bashir Amiruddin	M	Design and Development of Semi Automatic Agricultural Product for the Shorting Out Potatoes According To Size
10	ME3	Patel Harshit Dilipbhai		
11	ME3	Vyas Sanket Dilipbhai		
12	ME3	Gami Vipul Amrutlal		
13	ME4	Vaghela Mehulsinh Bavansinh	M	To Identify causes of corrosion on injection screw of plastic injection moulding equipment
14	ME4	Prajapati Pratik Prakashbhai		
15	ME4	Prajapati Mehul Mahendrabhai		
16	ME4	Patel Sagar Chandrakantbhai		
17	ME5	Patel Sajan Deveshbhai	M	Power Generation in battery Using A Shock Absorber.
18	ME5	Raval Parthiv Anilkumar		
19	ME5	Rajput Kalpesh Mohabbatsinh		
20	ME5	Tapodhan Ravi Nitinkumar		
21	ME6	Patel Vivek Rameshbhai	M	Design and fabrication of abrasive jet machine
22	ME6	Patel Vishal Kanaiyalal		
23	ME6	Patel Milin Dahyabhai		
24	ME6	Patel Kirankumar Ashokbhai		
25	ME7	Patel Keyurkumar Mahendrabhai	M	Performance analysis on concentrating collector using dual axis solar tracking mechanism
26	ME7	Patel Sanket Nitinbhai		
27	ME7	Prajapati Umang Laljibhai		
28	ME7	Amin Jigneshkumar Prahladbhai		
29	ME8	Parmar Prakashkumar Bhagvanbhai	M	Batch Saw Safety System
30	ME8	Suthar Ravikumar Amrutlal		
31	ME8	Survanshi Jasmin Vasantbhai		
32	ME8	Patni Sailesh Pravinbhai		

33	ME9	Chauhan Mayur Mahendrasinh	M	Design, Development and fabrication of lawn mower with autocollecting waste
34	ME9	Modi Nishit Kamleshkumar		
35	ME9	Patel Khushbu Kirtibhai		
36	ME9	Patel Hamidali Abbasbhai		
37	ME10	Patel Vishal Navinbhai	M	Design and development of automatic wheelchair & Bed for old-Age Home
38	ME10	Joshi Mohitkumar Jayeshkumar		
39	ME10	Bhavsar Deep Subhashchandra		
40	ME10	Prajapati Mehul Pravinbhai		
41	ME11	Bavisi Vivekkumar Ghanshyambhai	M	Design and Fabrication of rollage of car
42	ME11	Patel Darshan Jayantilal		
43	ME11	Nair Deepak Murlidharan		
44	ME11	Kapadiya Prajesh Sureshkumar		
45	ME12	Patel Karan Girishbhai	P	Design and analysis of multistage centrifugal pump
46	ME12	Patel Vishal Mahendrabhai		
47	ME12	Darji Chintan Kantilal		
48	ME13	Swami Harsh Rajeshkumar	M	Design and Modeling of automatic shoe polish machine
49	ME13	Chauhan Vipulbhai Manilal		
50	ME13	Chauhan Vishwaskumar Shaileshbhai		
51	ME13	Daiya Pradipkumar Rameshkumar		
52	ME14	Yadav Ravindrakumar	P	Development Of Roll Cutting Machine For Zinning
53	ME14	Prajapati Chetan Madhavlal		
54	ME14	Chaudhary Vishwas Ranchhodbhai		
55	ME14	Dave Harsh Dhruvkumar		
56	ME15	Patel Hirenkumar Mukeshkumar	M	Design and Development of automatic Bed & Wheel Chair for Old- Age House
57	ME15	Shah Rushabh Jaykumar		
58	ME15	Patel Jimmy Rameshchandra		
59	ME15	Patel Hardik Bharatbhai		
60	ME17	Patel Kuldeep Girishkumar	P	Fabrication of Eddy Current Braking System
61	ME17	Kharadiya Tarunkumar Hirabhai		
62	ME17	Chaudhary Naresh Nanjibhai		
63	ME17	Panchal Krunal Bharatkumar		
65	ME18	Patel Savankumar Shaileshbhai	M	Modelling and Fabrication of Semi-Automatic pneumatic number and word punching on metal job machine.
66	ME18	Patel Bhaumik Rameshbhai		
67	ME18	Chaudhary Hardikkumar Rameshbhai		
68	ME18	Modi Kuldeep Jashavanlal		
69	ME19	Soni Kishan Yogeshkumar	M	Design, Fabrication and Testing of desiccant

70	ME19	Patel Bhavin Shaileshbhai		Evaporative Cooling System
71	ME19	Patel Rashmin Manilal		
72	ME19	Nayak Sahil Shaileshbhai		
73	ME20	Patel Hardik Mahendrakumar	M	Design, Development and testing Performance of Evaporative Condenser in Air Conditioning System
74	ME20	Khatri Meghana Harichanra		
75	ME21	Patel Abhishek Kaushikkumar		
76	ME21	Patel Parth Bharatkumar	M	Analysis of Helical Gear and Modification in feeding system of thresher
77	ME21	Prajapati Dhaval Babulal		
78	ME21	Parikh Jaimin Jayantkumar		
79	ME22	Vyas Jigar Mukundkumar		
80	ME22	Patel Dhaval Babubhai	P	Modification of design in PL- Series Vacuum Pump to enhance performance of pump
81	ME22	Karia Deep Rashmikant		
82	ME22	Acharya Tarang Ashvinbhai		
83	ME23	Patel Dhavalkumar Dineshbhai H.		
84	ME23	Patel Akshaykumar Pravinbhai	P	Development of multipurpose machine ( Drilling, Cutting, Grinding) by using single motor.
85	ME23	Patel Jigar Jagdishbhai		
86	ME23	Patel Vikash Babulal		
87	ME25	Patel Prakash Shankarbhai		
88	ME25	Patel Ajay Rajendrabhai	P	Design, Drafting and modeling of Automated Filling machine for Solid Material
89	ME25	Prajapati Nikesh Arvindbhai		
90	ME25	Darji Ravi Nitinkumar		
91	ME26	Prajapati Hiteshkumar Lilabhai		
92	ME26	Parmar Rajubhai Rakeshkumar	M	DESIGN AND ANALYSIS OF AC SYSTEM FOR AUTOMOBILE VEHICLES USING EXHAUST HEAT
93	ME26	Panchal Kaushik Panabhai		
94	ME26	Nayi Jagdish Babubhai		
95	ME27	Patel Sandipkumar Jayantilal		
96	ME27	Patel Ajaykumar Babalbhai	M	Design and Fabrication of economical plastic injection moulding machine
97	ME27	Prajapati Vinesh Sevantilal		
98	ME27	Shah Zeel Nimeshkumar		
99	ME28	Patel Jay Rajendrakumar		
100	ME28	Patel Vikas Kirtikumar	P	Energy Management
101	ME28	Patel Riya Kamleshkumar		
102	ME28	Patel Darshan Pankajkumar		
103	ME29	Pandya Suraj Jayantilal		
104	ME29	Patel Mikinkumar Navinbhai	M	Design and Development of automatic JIG for Drilling Machine
105	ME29	Fatsikhan Rehan Gulamhusen		
106	ME29	Kherada Parvez Abdulrahim		
107	ME30	Dainik Jasvantbhai Patel	M	Design and modification of three shaft threshing machine in agriculture technology
108	ME30	Patel Jitendra Mahendrabhai		



109	ME30	Patel Krupal Babubhai		
110	ME30	Rajput Sanjaysinh Himatsinh		
111	ME31	Patel Dhaval Dineshbhai	M	To Design and fabrication the fuel injector cleaning Rig.
112	ME31	Patel Sahil Bharatbhai		
113	ME31	Patel Milap Narendrabhai		
114	ME31	Patel Vishnu Dashrathbhai		
115	ME33	Ganchi Yunish Rahimbhai	P	Multi-Response Optimization of Turning parameters using Taguchi Method on Al alloy
116	ME33	Modh Hardik Jashavantlal		
117	ME33	Mali Jignesh Dipaji		
118	ME33	Aglodiya Ajhruddin Saritbhai		
119	ME34	Soni Jay Rajeshkumar	P	Optimization of Surface Roughness and M.R.R in End milling on 20MnCr5 Using RSM & GA Method
120	ME34	Chaudhary Mukesh Veerjibhai		
121	ME34	Sindhav Dhaval Jagambhai		
122	ME34	Prajapati Dhaval Dashrathbhai		
123	ME35	Patel Apurv Vishnubhai	P	Design and analysis of mandrel use in cold pilger mill
124	ME35	Suthar Darshan Bhogilal		
125	ME35	Varma Hitesh Jayantibhai		
126	ME35	Patel Sandip Rajeshkumar		

## CIVIL ENGINEERING

SR. NO.	Group No	NAME OF STUDENT	Model/Poster	Title
1	CL01	Soni Smit S	M	Study of elevated water tank
2		Raval Brijesh M		
3		Prajapati Nirmal V		
4		Dheniya Vishal B		
5	CL02	Patel Vaibhav P	P	Geo spatial technologies for natural disasters assessment mitigation and risk management
6		Prajapati Gaurav B		
7		Patel Ankit B		
8	CL03	Patel Dax S	P	Ingress of salinity in coastal area
9		Patel Sapna S		
10		Patel Hardik P		
11		Patel Hiral J		
12	CL04	Patel Dharmik T	P	Stabilization of expansive soil using rice husk ash
13		Patel Kush B		
14		Patel Maulin R		

15		Tank Harshida M		
16	CL05	Patel Krunal S	M	Study of the use of fly ash as an admixture to prevent liquefaction using shake table
17		Patel Dhruv N		
18		Parmar Hiren N		
19	CL06	Chaudhari Mulji J	P	Toll fixation: a case study of mehsana to radhanpur highway
20		Mevada Krunal P		
21		Patel Vaibhav A		
22		Chandarana Karan J		
23	CL07	Thakor Balvant B	P	Improvement the properties of concrete using epoxy resin
24		Patel Siddharth B		
25		Patel Jignasha I		
26		Patel Urvi R		
27	CL08	Patel Kishan M	P	Identification of need of public transportation system
28		Patel Sanket B		
29		Patel Vikram V		
30		Patel Akshay K		
31	CL09	Chaudhary Prakash G	M	Study of the effect of orientation of column in multistorey building
32		Hadiyol Vishalsinh K		
33		Panchal Dhruv G		
34		Patel Bhavik V		
35	CL10	Patel Kruparth V	P	Study of water quality index measurement
36		Patel Bhargav V		
37		Rajput Elevansinh B		
38		Patel Rootun R		
39	CL11	Patel Sahil B	P	Improvement the engineering properties of expansion soil by adding bagasse ash and ground nut shell ash
40		Patel Sanket J		
41		Patel Vijay M		
42		Patel Vivek S		
43	CL12	Patel Nilesh V	P	Study of spilway gates operation using fuzzy logic
44		Patel Dhruv H		
45		Patel Ashish A		
46		Patel Gaurang K		
47	CL13	Mewada Parth N	P	Monitoring and assessment of land use and land cover change through geo spatial techniques
48		Patel Vikas J		
49		Patel Krunal A		
50		Patel Kartik I		
51	CL14	Patel Juhi J	P	Parking demand study: a case study of mahesana city
52		Patel Pooja Y		

## COMPUTER ENGINEERING

SR. NO.	Group No	Name Of Student		Title
1	CE01	Patel Switi G	p	AUTO ENERGIIC
2		Patel Priya D		
3		Patel Roshni J		
4	CE02	Bhushan Rajesh K	p	ROAD TRANSPORTAION SERVICES & CONSULTANCY
5		Chaudhari Sanjay R.		
6		Patel Pragnesh R.		
7	CE03	Patel Anmol S	p	RESULT ALERT SYSTEM
8		Patel Pooja D		
9		Parmar Mittal D		
10	CE04	Patel Nimisha R	p	SYSTEM MEDIA
11		Patel Payal M		
12		Nayi Krupa P		
13	CE05	Prajapati Dimpal A	p	DISCOUNT AREA MANAGEMENT
14		Patel Binal J		
15		Panchasara Richa H		
16	CE06	Patel Unnati M	p	CRACK THE GATE
17		Patel Urvashi V		
18	CE07	Patel Shruti J	p	INSTIMAN
19		Patel Jinal R		
20	CE08	Patel Jay K	p	FACE RECOGNATION SYSTEM
21		Swami Parasgiri A		
22		Master Bhavin M		
23		Patil Nikhil R		
24	CE09	Patel Hardik P	p	ACADEMIC PERFORMANCE MGMT SYSTEM
25		Ruparel Jayesh V		
26	CE10	Halani Mitesh J	p	E-REFERENCING
27		Swami Krutarth A		
28	CE11	Patel Hitarth B	p	ONLINE AUCTION SYSTEM
29		Dhobi Akash R		
30	CE12	Limbachiya Devendra P	p	CRIME REPORTING SYSTEM
31	CE13	Prajapati Apeksha B	p	SMART CITY
32		Parmar Dipika K		
33		Harmani Vishal J		

34	CE14	Patel Heena K	p	ALL MEDICAL PRODUCT SYSTEM
35		Bava Rinku K		
36	CE15	Patel Ekta D	p	PRODUCT LOCATER
37		Bhutaka Chetana A		
38	CE16	Patel Hitesha S	p	ONLINEADVERTISE MGMT
39		Patel Krimi S		
40	CE17	Patel Brijal S	p	WEBPAGE IMPROVEMENT PROCESS
41		Patel Urvi V		
42	CE18	Patel Pankaj V	p	ONLINE COURIER MGMT
43	CE19	Patel Sani C	p	CO-OPEARIVE CREDIT SOCIETY
44		Patel Ketul R		
45		Desai Viram I		
46	CE20	Patel Roshankumar G	p	ONLINE EVENT ORGNIZER
47	CE21	Modi Parth	p	ONLINE SOCIETY
48	CE22	Patel Dipak R.	p	TRAVELS MGMT

# INNOVATIVE PROJECT AWARD 2014-15

## INSTITUTE WISE WINNER

SR. NO.	Group No	NAME OF STUDENT	Model/Poster	Title	Rank No
1	ME10	Patel Vishal Navinbhai	M	Design and development of automatic wheelchair & Bed for old-Age Home	1 <sup>st</sup> Rank
		Joshi Mohitkumar Jayeshkumar			
		Bhavsar Deep Subhashchandra			
		Prajapati Mehul Pravinbhai			
	ME15	Patel Hirenkumar Mukeshkumar	M		
		Shah Rushabh Jaykumar			
		Patel Jimmy Rameshchandra			
		Patel Hardik Bharatbhai			
2	ME27	Patel Sandipkumar Jayantilal	M	Design and Fabrication of economical plastic injection moulding machine	2 <sup>nd</sup> Rank
		Patel Ajaykumar Babalbhai			
		Prajapati Vinesh Sevantilal			
		Shah Zeel Nimeshkumar			
3	CE08	Patel Jay K	M	Real Time Face Recognition System	3 <sup>rd</sup> Rank
		Swami Parasgiri A			
		Master Bhavin M			
		Patil Nikhil R			

## BRANCH WISE WINNER

### EC

Rank	Group No	NAME OF STUDENT	Model/Poster	Title
1	EC9	Patel Ronak P.	M	Intelligent Energy Saving System
		Prajapati Naresh J.		
		Bhupender Singh		
2	EC5	Ruchit M. Patel	M	To Control Boiler Operation Using PLC
		Priyanka Thakkar		
3	EC1	Pagedar Avadhut Sunilkumar	M	i-GRUH : Home Appliances Device Manager
		Patel Hirenkumar Jayantilal		
		Thakker Chintan Raghuram		

## MECHANICAL ENGINEERING

SR. NO.	Group No	NAME OF STUDENT	Model/ Poster	Title
1	ME10	Patel Vishal Navinbhai	M	Design and development of automatic wheelchair & Bed for old-Age Home
		Joshi Mohitkumar Jayeshkumar		
		Bhavsar Deep Subhashchandra		
		Prajapati Mehul Pravinbhai		
	ME15	Patel Hirenkumar Mukeshkumar	M	Design and Development of automatic Bed & Wheel Chair for Old- Age House
		Shah Rushabh Jaykumar		
		Patel Jimmy Rameshchandra		
		Patel Hardik Bharatbhai		
2	ME01	Patel Jenish Pravinbhai	M	Development of Electric Discharge Machine
		Patel Kaushal Rajubhai		
		Patel Kaushal Ashokkumar		
		Prajapati Shekhar Amrutbhai		
	ME27	Patel Sandipkumar Jayantilal	M	Design and Fabrication of economical plastic injection moulding machine
		Patel Ajaykumar Babalbhai		
		Prajapati Vinesh Sevantilal		
		Shah Zeel Nimeshkumar		
3	ME08	Parmar Prakashkumar Bhagvanbhai	M	Batch Saw Safety System
		Suthar Ravikumar Amrutlal		
		Survanshi Jasmin Vasantbhai		
		Patni Sailesh Pravinbhai		
4	ME18	Patel Savankumar Shaileshbhai	M	Modelling and Fabrication of Semi-Automatic pneumatic number and word punching on metal job machine.
		Patel Bhaumik Rameshbhai Chaudhary Hardikkumar Rameshbhai		
		Modi Kuldeep Jashavanlal		
5	ME03	Faruki Bashir Amiruddin	M	Design and Development of Semi Automatic Agricultural Product for the Shorting Out Potatoes According To Size
		Patel Harshit Dilipbhai		
		Vyas Sanket Dilipbhai		
		Gami Vipul Amrutlal		
6	ME19	Soni Kishan Yogeshkumar	M	Design, Fabrication and Testing of desiccant Evaporative Cooling System
		Patel Bhavin Shaileshbhai		
		Patel Rashmin Manilal		
		Nayak Sahil Shaileshbhai		

## CIVIL ENGINEERING

Rank	Group No	NAME OF STUDENT	Model/Poster	Title
1	CL01	Soni Smit S	M	Study of elevated water tank
		Raval Brijesh M		
		Prajapati Nirmal V		
		Dheniya Vishal B		
2	CL06	Chaudhari Mulji J	P	Toll fixation: a case study of mehsana to radhanpur highway
		Mevada Krunal P		
		Patel Vaibhav A		
		Chandarana Karan J		
		Patel Urvi R		
3	CL09	Chaudhary Prakash G	M	Study of the effect of orientation of column in multistorey building
		Hadiyol Vishalsinh K		
		Panchal Dhruv G		
		Patel Bhavik V		

## COMPUTER ENGINEERING

SR. NO.	Group No	Name Of Student	Title
1	CE08	Patel Jay K	Real time face Recognition
		Swami Parasgiri A	
		Master Bhavin M	
		Patil Nikhil R	
2	CE21	Modi Parth	Online society
3	CE06	Patel Unnati M	Crack the GATE
		Patel Urvashi V	

# Jury Members

## **E&C ENGINEERING**

SR. NO.	Name Of Juries
1	Patel Ravi P.
2	Patel Jitendra R.

## **CIVIL ENGINEERING**

SR. NO.	Name Of Juries
1	Patel Bhavik G.
2	Vineet Jain

## **MECHANICAL ENGINEERING**

SR. NO.	Name Of Juries
1	Dr. Ami H. Shah
2	Prof. Hiren Prajapati

## **COMPUTER ENGINEERING**

SR. NO.	Name Of Juries
1	Mr. Krishna Mohan Gupta
2	Mr Adesh V Panchal