

SARVAJANIK EDUCATION SOCIETY

SARVAJANIK COLLEGE OF ENGINEERING & TECHNOLOGY

SUTEX ELECTRICAL ENGINEERING FACULTY

REPORT OF PROJECT SHOWCASE APRIL – 2018

Objective: - The main objective of the “Project Fair” is to provide all UG students to exhibit their team project work during the year either through the working project and/ or through poster presentation.

- **Date:** - 16th April, 2018
- **Place:** - Electrical Engineering Department, SCET, Surat
- **College:** - Sarvajanik College of Engineering & Technology, Surat
- **Outline of the event:** - The Project Showcase is to bring current engineering students and industry experts together to discuss student research and current scenario in industries & outside world. Moreover, it provides a great platform for the students to show their creativity, innovation, & skills. The outcome of this project showcase is to motivate & encourage budding engineers for better future prospective.

➤ Project Showcase - 2018 Schedule: -

Sarvajanik College of Engineering & Technology SUTEX Electrical Engineering Department Project Showcase Schedule		
<u>Timing</u>	<u>Event</u>	<u>Venue</u>
<u>10:00 AM - 1:00 PM</u>	<u>Project Showcase</u>	<u>1. Electrical Power Electronics Laboratory, First Floor</u>
<u>1:00 PM - 2:00 PM</u>	<u>Lunch Break</u>	
<u>2:00 PM - 04:00 PM</u>	<u>Project Showcase</u>	<u>1. Electrical Power Electronics Laboratory, First Floor</u> <u>2. Project Lab, 1st Floor</u>

➤ Expert Panel (Review Project): -

Sarvajanik College Of Engineering & Technology Department Of Electrical Engineering Invited Guests_Project_Showcase_16_April_2018				
Sr No	Name of Guest	Organization	Category	Contact
1	Prof. Dr. Ashish Panchal	SVNIT, Surat	Academician	akp@eed.svnit.ac.in (9924900336)
2	Prof. Dr. Chudamani	SVNIT, Surat	Academician	rc@eed.svnit.ac.in (9978005556)
3	Mr. Ashutosh Desai	Avkash Automation ABB South Gujarat Distributor	Industrialist	9824579911

➤ Branch: - Electrical(Shift I)

➤ Total Number of Teams Participated: - 12

1	Irbaz Shaikh	150423109013	Prof. Urvi T. Jariwala
	Ruta Patel	140420109052	
	Bindiya Soni	140420109064	
	Kiran Patel	140420109049	
	Kevin Patel	140420109048	
2	Abdul Sayed	140420109065	Prof. Hitesh Mehta
	Akshy soni	150423109016	
	Ajay patel	150423109008	
	Surbhi mungalpara	140420109039	
	Aishwariya chaudhry	140420109015	
3	Jiten Pandit	140420109041	Dr. Hardik P. Desai
	Jenish Jain	140420109023	
	Pratik Jain	140420109055	
	Shalin shah	140420109061	
	Ruchi Parikh	140420109042	
4	Kuldeep Chavda	140420109029	Prof. Dimple T. Bhanabhagwanwala
	Jignesh bhuva	150423109001	
	Ravi kalathiya	150423109003	
	Rahul katariya	150423109004	
	Vikas busa	140420109014	
5	Aalaap Singaraju	140420109001	Prof. Aditi R. Hajari
	Astha Sarvaiya	140420109005	
	Madhur Maxwell	140420109030	
	Tishna Mistry	140420109035	
	Meet Shah	140420109060	
6	Tushar Besamiya	140420109013	Dr. Shabbir S. Bohra
	Mahima Patel	140420109031	
	Jinesh Patel	140420109047	
	Milan Patel	140420109050	
	Nilay Patel	140420109051	
7	Hardik Boghawala	140420109012	Prof. Naman B. Bhatt
	Malvawala Pranav	140420109033	
	Modi Rajkumar M.	140420109037	
	Modi Vijay S.	140420109038	
	Patel Harshil	140420109045	
8	Tsilavina Kiady	140420109069	Dr. Nilesh Shah
	Sidhant Narayan	140420109070	
	Ashutosh Sharma	140420109062	
	Veda Dave	140420109067	
	Rajat Verma	140420109068	

9	Dhruv Shah	150423109012	Prof. Rajesh Prasad
	Panchal chaitali	150423109007	
	Gamit Manisha	150423109002	
	Tamakuwala Karan	140420109066	
	Bhatt het	140420109009	
10	Naushad Ansari	140420109004	Prof. Hemin D. Motiwala
	Ornawala Bhavin	140420109011	
	Kaiven shah	140420109024	
	Kajiwala parth	140420109025	
	Kazi Tanveer	140420109026	
11	Sahaj Chauhan	140420109018	Prof. Bijal K. Mehta
	Jenish kotadiya	140420109028	
	Jasmin nakarani	140420109040	
	Darpit radadiya	140420109056	
	Divy shah	140420109059	
12	Vishal Sailor	140420109058	Prof. Kalpesh Patil
	Uchit Patel	140420109053	
	Chintan Mistry	150423109006	
	Yash Postiwala	140420109054	
	Shreyash Gotawala	130420109057	

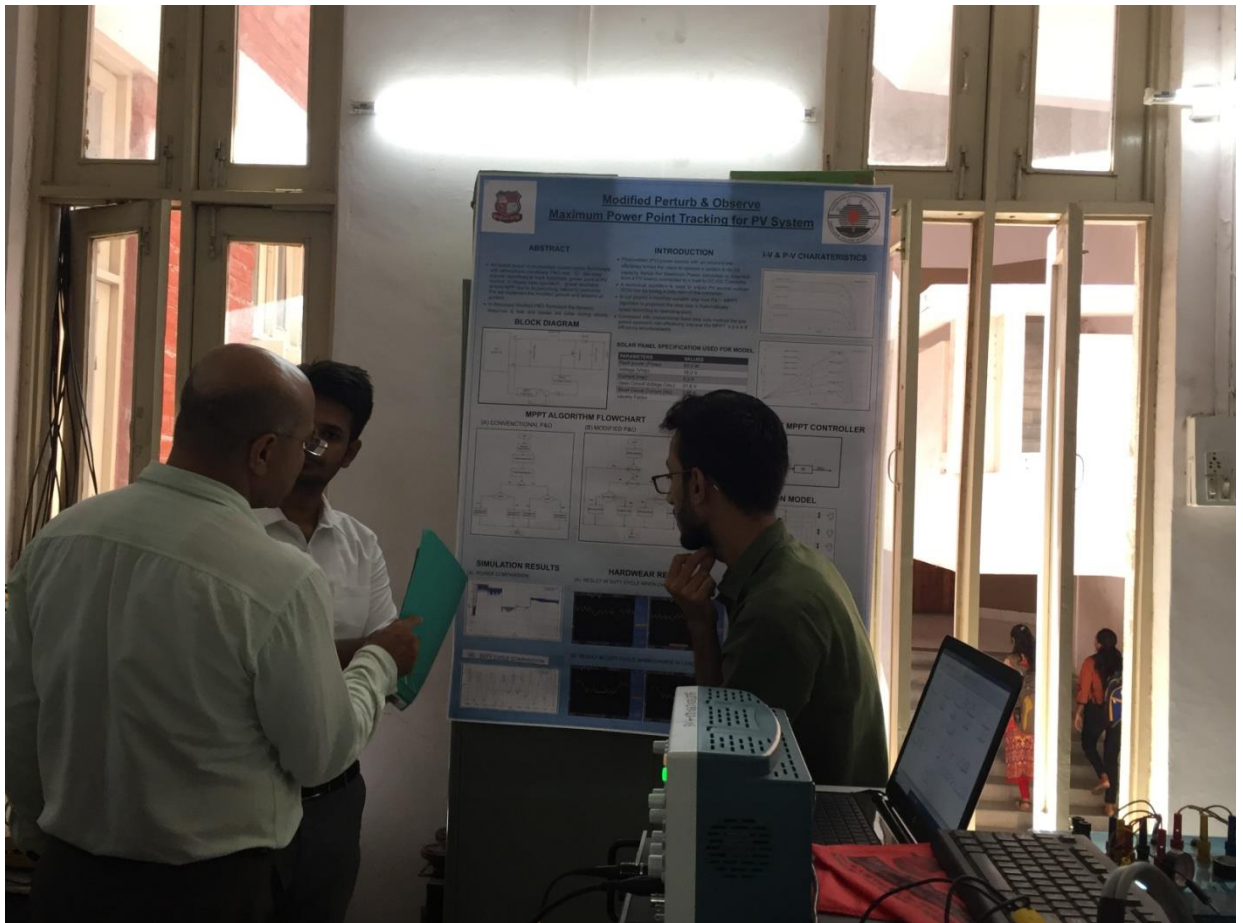
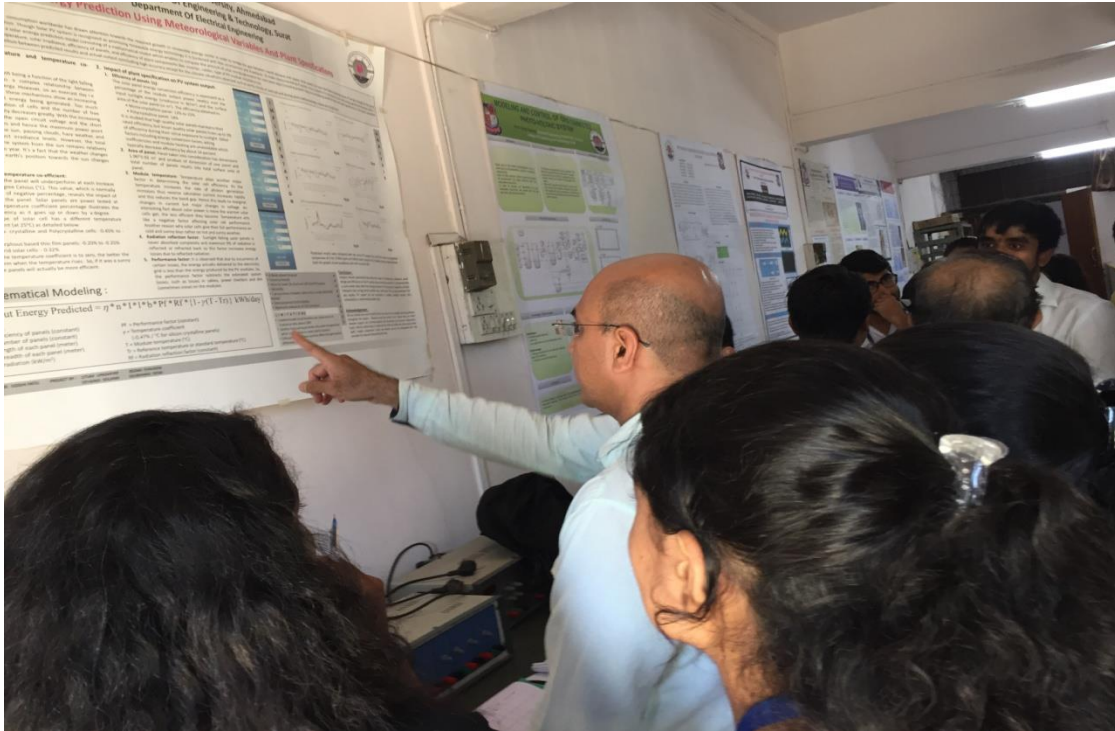
➤ Branch: - Electrical(Shift II)

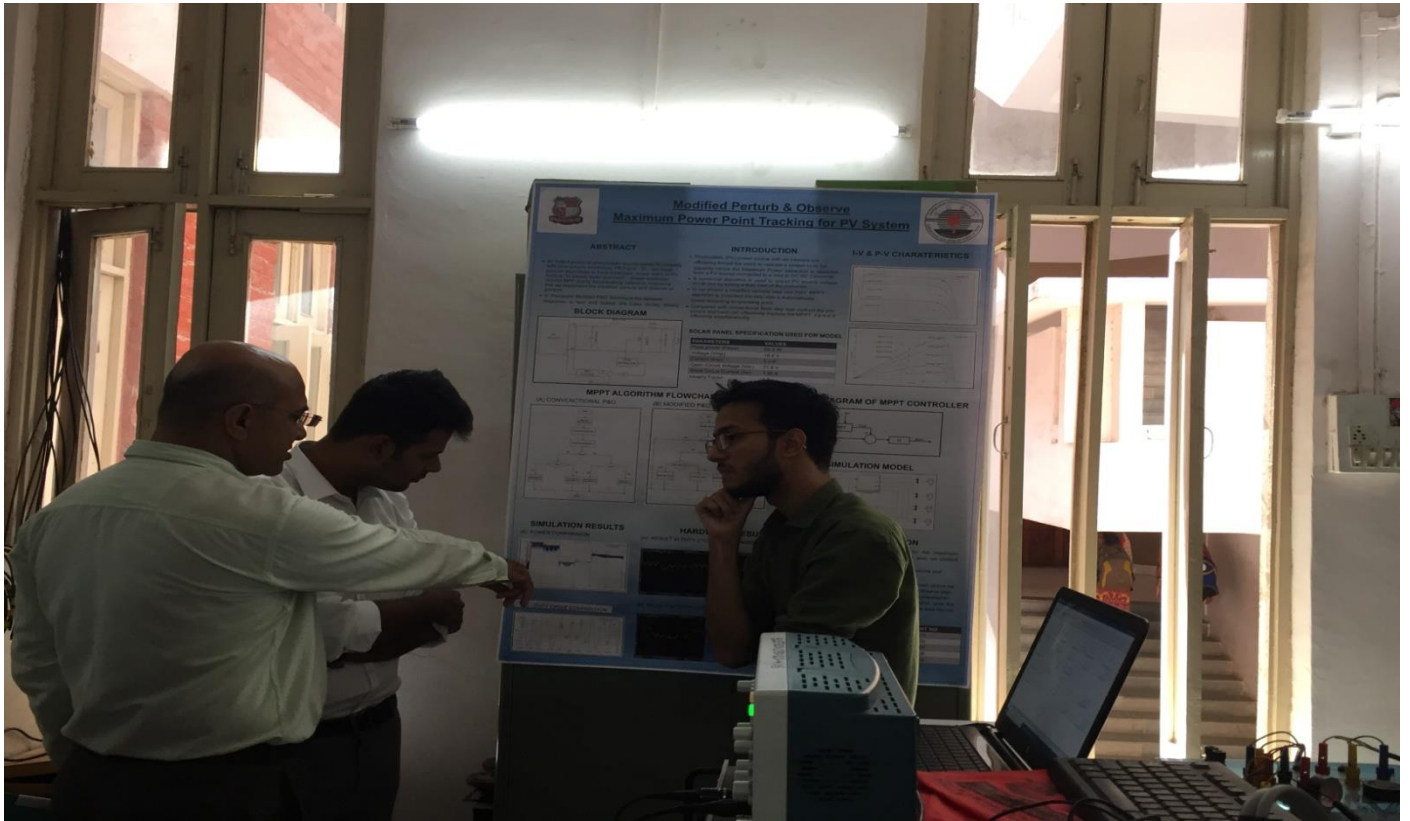
➤ Total Number of Teams Participated: - 12

Group No.	Name	Enrollment No.	Project Title
1	Mayuri Solanki	140420109560	Analysis of Carrier PWM techniques and implementation of it for PV applications
	Ankita Sirola	140420109501	
	Jinal Patel	140420109533	
	Priyanka Chaudhari	140420109545	
	Mausam Solanki	150423109501	
2	Aakash Modi	140420109524	Analysis and implementation of scalar control technique for induction motor using SVPWM approach
	Atish Parekh	140420109529	
	Neha Panchal	140420109528	
	Ojas Chauhan	140420109527	
	Tanvi Upadhyay	140420109552	
3	Sanket Patel	140420109537	Three phase induction motor protection using numerical relay
	Gaurang Parmar	140420109530	
	Vaibhav Patel	140420109541	
	Smit Patel	140420109539	
	Badal Shahu	140420109549	
4	Samarth Patel	140420109536	Speed control of BLDC motor
	Dhruv Kapadia	140420109509	
	Pratik Kapadia	140420109544	
	Siddharth Rashiwala	140420109546	

5	Devangi Solanki	140420109508	Solar Smart Meter
	Reema Chauhan	140420109503	
	Shubhangi Desai	140420109507	
	Utsav Upadhyay	130420109553	
6	Heny Poshtiwala	140420109543	Modeling and control of grid connected photovoltaic system
	Mayur Rana	140420109521	
	Ritesh Pandey	140420109548	
	Rohan Khalasi	140420109516	
	Daniyal Doola	140420109510	
7	Ayushi Desai	140420109506	IOT based underground cable fault distance locator
	Bhaves Kallai	140420109514	
	Hetvi Mehta	140420109522	
	Hardik Modi	140420109525	
	Mansi Patel	140420109534	
8	Utkarsh Patel	140420109540	Speed control of 3 phase Induction motor by V/F method using micro-controller
	Smit Patel	140420109538	
	Disha Hinsu	140420109512	
	Vikram Sodha	140420109554	
	Janvi Suchak	140420109550	
9	Shashank Fumakiya	140420109511	Wireless automation using Arduino and multi source
	Kandarp Bhatt	140420109502	
	Sagar Chauhan	140420109504	
	Nishan Modi	140420109526	
	Brijesh Khunt	140420109558	
10	Darshan Amlani	140420109555	Automatic Solar Panel cleaning system
	Jainish Patel	140420109532	
	Kuntal Ravaliya	140420109547	
	Mit Patel	140420109523	
	Amit Kokani	140420109518	
11	Salman Makrani	140420109559	Accurate Room Temperature controller
	Anmol Barafwala	140420109556	
	Rituraj Poochhwale	140420109542	
	Pratik Vadher	140420109553	
12	Parth Jiyani	140420109513	Hybrid Inverter with solar and wind battery backup
	Rajat Karnani	140420109515	
	Jay Khunt	140420109517	
	Parth Lad	140420109519	
	Snehal Mistry	130420109521	

➤ Photos







➤ Best Three Projects

Rank	Students' Name	En. Number	Project Title	Grade
	Devangi Solanki	140420109508	Solar Smart Meter	A+
	Reema Chauhan	140420109503		
	Shubhangi Desai	140420109507		
	Utsav Upadhyay	130420109553		
	Darshan Amlani	140420109555	Automatic Solar Panel cleaning system	A+
	Jainish Patel	140420109532		
	Kuntal Ravaliya	140420109547		
	Mit Patel	140420109523		
	Amit Kokani	140420109518		
	Abdul Sayed	140420109065	Modified Perturb and Observe	A+
	Akshy soni	150423109016		
	Ajay patel	150423109008		
	Surbhi mungalpara	140420109039		
	Aishwariya chaudhry	140420109015		
	Tsilavina Kiady	140420109069	Modelling and control of grid connected	A+
	Sidhant Narayan	140420109070		
	Ashutosh Sharma	140420109062		
	Veda Dave	140420109067		
	Rajat Verma	140420109068		

➤ Feedback From External Panel

54	16-04-2018	Anurag Desai	Anurag Automation	Director	Project showcase	It is good to interact with final year students and to review their project and to discuss their views for advice.	MS
55	16-04-2018	Dr. R. Chudamani	S.V.N.I.T.	Asso. Prof.	Project Showcase	Students have put in efforts to make successful projects. My best wishes for them for a bright future.	R.Cheloo
56	16-4-2018	Dr. A. K. Panchal	SUNIT/Surat	Assoc. Prof.	Project showcase	I enjoyed a few simulation & hardware projects. Wish them best luck to complete the project works and put full efforts.	AKP

➤ Feedback From Faculty

➤ Feedback From Final year Students

Electrical - eve 4th year

Valentine

PAGE NO.:

DATE:

It was great experience in project showcase that was held in the department, the sir who came to see our projects gave valuable tips through which we can improve our respective projects much better than the present.

Henry Pashtiwala H.D.P

Jayrishi Patel J.V. Patel

➤ Feedback From Third Year students

Name: Vairwala Rahul J.

Enrollment Number: 150420109063

- The projects done by our seniors i.e. students of final year ~~are~~ were most of based on modern technological approach.
- I got to know about various methods to approach the same aim.
- Generally, the speed control of ~~an~~ motor ~~are~~ based project was a little attractive as they presented the techniques with more benefits & less losses.

Name: Patil Parth S.

Enrollment Number: 150420109053.

- The projects presented provided us a way of thinking for final year project.
- Different techniques based on certain issues were presented.

Bhavik Solanki

enrollment NO: 150420109060

- The most of projects were based on renewable energy generation approach which is need for the future.
- Overall it gave us an idea of what to do for our final year project.

Singh Ashish Kumar.

Enrollment No:- 150420109059.

- The project presented by our seniors made us think differently and provided us idea for working for fruitful outcome for the society.
- Our seniors one of the project was related to detect the maximum power point which always detect the maximum power point for saving of energy and produce more energy from sunlight.

➤ **Key insights/ benefit/learning from the event**

The exercise of final year project showcasing has served the purpose. Third year & final year students are benefited from this event. Experts from the industries have provided key insights to the students related to their projects. Also for faculties, it is a good teaching & learning experience. Industry expert has appreciated these efforts & it is beneficial in bridging the gap between the industry & academia.

Prof.Sandhya Rathore

Class Teacher(B.E.4th year shift 1)

Prof.P.D.Munshi

Prof.Tejas Patel

Class Mentors (B.E. 4th year-shift1)

Prof. Naman Bhatt

Class Teacher(B.E. 4th year shift2)

Prof.Dimple Bhanabhagwanwala

Prof. Ekta Desai

Prof.Arvind Bhakta

Class Mentors (B.E. 4th year-shift2)