



Bharatiya Vidya Bhavan's
Sardar Patel College of Engineering

(Government Aided Autonomous Institute Under Mumbai University)



REPORT ON

**TECHNICAL PAPER PRESENTATION &
WORKING MODEL COMPETITION in
collaboration with IET**

Introduction:

The students of EESA, MESA and CEA of Sardar Patel College of Engineering, under the guidance of Professor Vidyullata Joshi, Prof. Megha Janbandhu, Professor V.S. Dake, Professor Akshata Deshpande and Professor S.J. Kumbhar, readily took up the initiative to organise the Technical Paper Presentation event and the Working Model competition, in collaboration with IET on the 22nd of April, 2017. IET strives to engineer a better world by inspiring, informing and influencing its members, engineers and technicians, and in keeping with its primary goal, the Technical Paper Presentation and the Working Model event showcased the very essence of unbridled technical know-how of the participants.

Technical Paper Presentation:

Venue: Room 248, Sardar Patel College of Engineering

Time: 10 a.m. to 1 p.m.

The Technical Paper Presentation event hosted a total of 13 teams from varied engineering backgrounds, with an emphasis on the branches of Civil, Electronics, Electrical and Mechanical Engineering. The panel of judges boasted of a number of dignitaries from the IET Mumbai Local Network, including Mr. Ashutosh Nene, Mr. Vimal Chaubey, Dr. Roshini Easow, Prof. P.V. Kasambe Prof. Dr. Nilesh Raykar, Prof. Dr. Reshma Phule, Prof.Mrs. Archana Lakhe, Prof. Dr. Jayaram Gholve, Prof. Mr. Rahul Chavan Prof. Mr. Vishal Dake Prof. Mr. Snehajeet Kumbhar and Prof. Megha Janbandhu – a perfect blend of the corporate world and academia. The diverse panel of judges ensured a fair, unbiased representation of the various branches of engineering.

The event commenced at 10 a.m. after the felicitation of the judges, with the participating teams eager to present their ideas and innovations. It was indeed a sea of brilliance, as team after another came forward armed with incredible, original prototypes, research papers and advancements. Fielding question after question by the judges, the participants displayed their undying thirst for knowledge, whilst showcasing their immense interest and the astonishing amount of effort and research put into each of their individual presentations.



The participants hailed from all years of engineering, including two budding teams of the Second Year, nervous but armed with a wealth of knowledge, right up to the M. Tech level. Teams included participants from engineering colleges all over Mumbai, including K.J. Somaiya and Sardar Patel Institute of Technology touching on topics including Fuel Cell Oxygen Tree, Energy Efficient Buildings, Augmented Reality, Piezoelectricity and more.

Conservation of energy is the need of the hour, and a number of teams took it upon themselves to come up with innovative solutions to help curb the ongoing energy crisis, with ideas that leaned towards energy efficiency, renewable sources of energy and brought to light other viable options and alternatives.

All in all, the event was a roaring success thanks to the efforts of the student committee at Sardar Patel College of Engineering, the numerous participants and the untiring guidance of Prof. Vidyullata Joshi, Prof Megha Janbandhu and Prof. Vishal Dake. Sardar Patel College of Engineering looks forward to hosting several such events in the future and providing a rostrum for students to showcase their mental acuity, improve their presentation skills and garner accolades for their untiring efforts.

Working Model:

With a view to the promotion of new ideas in the existing technology and its application in a smart built environment, Sardar Patel College of Engineering in collaboration with The Institute of Engineering and Technology organized a Working Model Competition on 22nd of April, 2017.

Originally a brainchild of Prof. Vidyullata Joshi ma'am, the competition caught the attention of students from various disciplines of engineering from within the college as well as many

other colleges around the city. Prof. V. S. Dake and Prof. S. J. Kumbhar were the faculty coordinators for the event, who made sure of all the apt arrangements ensuring successful flow of the event. Coordinators from the EESA, MESA and CEA student committees carried out the smooth execution of the whole process, taking care of all the aspects in managing the event and making sure every participant and judge was escorted to their specific laboratories throughout the college building.



Participants included a broad mixture of students from core as well as their allied branches, presenting models to strike the fascination of the observer either by the technical creativity

that conceptualized them, craft employed in actually creating the model, unconventionality of the thought in harnessing energy for a better future, etc. The participants comprised of students from the core Electrical, Civil and Mechanical branches, along with the allied branches Electronics, Electronics and Telecommunication, Computer and Information technology.

Dr. P.H. Sawant, Principal SPCE along with AICTE Chairman Dr. Sahastrabudhe and Dr. Shevgaonkar IIT Bombay encouraged the participants with their guiding tips .





Along with offering a brilliant opportunity to present their projects in front of a panel of esteemed judges on an IET platform to the participants, the event also sparked up a new array of ideas in developing their own new projects to the non-participants as well. Such opportunities to foster the technical creativity and its application among students will continue to prove beneficial for building a healthy educational profile for budding engineers.