

List of Awards/Achievements: Students

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1.	<p>Awards/Achievements by students</p> <ul style="list-style-type: none"> - 2018: Mitsubishi Gold Cup, Ahemdabad, Prize Money Rs. 1 Lakh and sponsored visit to Japan for team and the mentor. - 2017: Champion, Best Solar Skills Training Institute, Renewable Energy India Expo, Sept. 21, 2017, Greater Noida. - 2016: First Prize in Mitsubishi National Automation Contest, Pune, Prize Money Rs. 1 Lakh. - 2015: II Prize in Students's Innovation Pavalion organized by PGCIL, India at Pragati Maidan, New Delhi. Prize Money Rs. 2.5 Lakh.

Details: Awards/Achievements by students

2018: Mitsubishi Gold Cup, Ahemdabad, Prize Money Rs. 1 Lakh and sponsored visit to Japan for the team and the mentor.

Mitsubishi Electric India organized 3rd Mitsubishi Electric Cup at Nirma University, Ahmedabad, Gujarat from 15-17th February, 2018. A total 130 teams from several Institutes/Universities all over the country submitted their proposals out of which only top 35 were shortlisted. Four students viz. Abeer Saxena, Mehar Saran, Punarvasu Sharma and Achraj Prakash from Faculty of Engineering under the Supervision of Prof. D Bhagwan Das



represented Dayalbagh Educational Institute and stood as the Winners of 3rd Mitsubishi Electric Cup winning the Gold Cup, a cash prize of One lakh rupees and a 7 days trip to Japan sponsored by Mitsubishi Electric.

The theme of the Competition was **Innovative solutions for Smart Manufacturing**. With the use of various devices such as PLC, VFD and HMI of Mitsubishi Electric they designed a **Multipurpose Mobile Powerhouse**. It uses solar energy to generate electricity which is clean and green. The machine is able to generate DC, single phase and 3 phase power supply of 1.5kW. The innovation is to design a remote controlled portable solar power plant with foldable solar panel mounting structure. This machine can be used as a substitute of Diesel generators without causing harm to environment.

Its applications are not only limited to Industry, but it can also be used at several places such as in Agricultural fields to supply power to irrigation pumps, threshers, feeders etc. In Military area, it can be ported to Indian borders and can supply electricity 24*7 for various application ranging from monitoring of border to electricity supply for using and charging various gadgets and devices. It can also be used as a Fire Fighting robot, as a portable coffee vending machine in industries, as a mopping device, substitute of Diesel generators in medical/other camps at remote locations, marriage & religious processions etc., your imagination is the limit.

2017 : Champion, Best Solar Skills Training Institute, Renewable Energy India Expo, September



21, 2017, Greater Noida.

2016: First Prize in Mitsubishi National Automation Contest, Pune. Prize Money Rs. 1 Lakh.

A team comprising of Prem Kumar, Rishabh Banerjee, Rahul Chugh and Mohit Gupta, all of third year Electrical Engg., participated in the Mitsubishi Electric Cup 2016 : A National Level Automation Competition, organized by Mitsubishi Electric in Pune. The Theme of the competition was "Eco-Imagination through Smart Manufacturing". The team presented a working model of the project 'Smart Microgrid'.



Almost 70 teams from different institutions all over the country participated for the first round of Mitsubishi Electric Cup 2016. Finally 24 teams were selected for the final event held from 11 to 13 feb. 2016 at VIT, Pune.

The Faculty of Engineering Team won the first prize(Gold Cup) as well as The Most Popular Team Award, which was selected by voting. The team also received a Cash prize worth Rs 1,00,000. The project was guided by Prof. D. Bhagwan Das, Faculty of Engineering.

2015: II Prize in Students' Innovation Pavilion organized by PGCIL, India at Pragati Maidan, New Delhi. Prize Money Rs. 2.5 Lakh

