
All About Engineering:

A Grade VIII Field Visit to PCCoER

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On 3rd January, 2025, a near 280 students of Grade VIII visited the Pimpri Chinchwad College of Engineering and Research (PCCoER), Ravet. They visited the Mechanical Lab, Innovation Center, Incubation Lab, Research and Innovation Lab and Electronics Lab to explore the areas of Engineering.

The students were addressed by Dr. Shyam Manakar of the Mechanical Department. Dr. Manakar explained the function of lathe machines and CNC machines such as how it rotates a work piece about an axis of rotation to perform various operations such as cutting, sanding, knurling, drilling etc. He explained the functions of different gears and gearbox to all divisions of grade 8th. He showed wood lathe machines, lathe machines to make an object by metal sheets, the BMW car engines and other car engines and gave information of new technologies which are used in cars.



Students visited an Incubation Center, where students of engineering interacted with them and were given information about the off-road vehicles where they were preparing the model of the vehicle and going to participate in National-level competition.

Students asked queries. They addressed product design, how to think comfortable designs for the customers and how to solve the problems of the people.

In the Innovation Center Dr. Dipak Biradar explained an amazing way of Periodic Table to memorise all the elements. Dr. Biradar had taken a patent on his research.

Students also visited the Research and Innovation Lab to see robotic models created by using e-waste. They saw how e-waste is reused. Mr. Kishor Bhangale motivated them and explained e-waste models like drones, world model, fighting lady model, satellite model, etc. Students were surprised to see all of these and asked many questions. They asked challenges to ideate on pressing problems in the school, society, and the city. Students even proposed their own ideas on how to solve these.

After that, they visited the Electronics Lab and Electronics Gallery. They understood the overview of the start-up ecosystem in India, where students can think out of the box and ideate for solutions.