

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

INNOVISTA: 18.11.2023

Under these various activities, including project presentations for 6th and 7th-grade students were conducted

In a dedicated effort to promote a comprehensive and interactive approach to education, the IEEE KCT Student Branch has actively introduced a diverse range of STEM (Science, Technology, Engineering, and Mathematics) activities named "INNOVISTA" at Government High School in Velayapalayam, Perumugai, Tamil Nadu. This initiative, led by the Women in Engineering Affinity Group in collaboration with the Education Society, received guidance from Alagumeenakshi, the faculty advisor of the Women in Engineering Affinity Group, Dr. B Senthil Kumar, the faculty advisor of the Education Society, and Dr. S Sasikala, the KCT IEEE Student Branch Counselor.

The INNOVISTA event, scheduled from 9:00 AM to 3:30 PM, is specifically designed for students in grades 6th to 9th. The opening address was delivered by Dr. P Thirumoorthy, a professor at Kumaraguru College of Technology. The event encompasses various activities, including project presentations for 6th and 7th-grade students. The showcased projects include:

School Standard Projects:

1. DPDT switch
2. Rain alarm
3. Archimedes screw
4. Periscope
5. Build a better light (series and parallel connection)
6. Water dispenser

Engineering Standard Projects:

1. Automatic street lighting
2. Traffic light controller

Mechanical Projects:

1. Scotch and yoke
2. Rack and pinion
3. Mechanical leg
4. Geneva mechanics
5. Bevel gear mechanism

Additionally, introductory workshops on series and parallel connection circuits were conducted for 8th and 9th-grade students by members of the IEEE Student Branch. The event concluded successfully, with students from the school thoroughly enjoying the activities and expressing positive feedback. The learning experience was evident, marking a successful implementation of INNOVISTA at Government High School. We initiated a workshop on computer fundamentals.

Outcome of the Event

These initiatives are designed to not only enhance academic learning but also cultivate critical thinking, problem-solving skills, and a passion for innovation among the students. These activities bridges the gap between theoretical knowledge and practical application .

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"INNOVESTA"
*Organised by IEEE KCT Student Branch
in Association with Kumaraguru College of Technology Coimbatore, India*

SATURDAY  *Government High School, Valayapalayam, Erode* **18-11-2023**



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