



XAVIER INSTITUTE OF ENGINEERING
MAHIM CAUSEWAY, MAHIM, MUMBAI - 400016
TELECOMMUNICATION SOCIETY OF XAVIERITES



PCB Designing WORKSHOP

19th September 2024
XIE, Mahim

On 19th September 2024, the Electronics and Telecommunications Department of Xavier Institute of Engineering organized a workshop on the **Proteus Simulation**, conducted by the Technical Society of Xavier's (TSX). The session, led by **Mr. Kedar Alwe** (TE EXTC) introduced second-year students to the fundamentals of Proteus, a powerful tool for designing and simulating electronic circuits.

Mr. Alwe began with an introduction to Proteus and demonstrated the creation of a simple LED on/off circuit using a DC source. He then guided students on how to import libraries, such as the Arduino Nano, and use them within Proteus to run simulations. A hands-on demonstration of converting Arduino code to a HEX file and using it to simulate a basic LED blinking circuit further enhanced the student's understanding.

Additionally, Mr. Alwe explained the application of logic gates, with a demonstration of an AND gate circuit. Towards the end, Mr. Mukesh Jat (TE EXTC) presented a 2-bit comparator using logic gates, providing a deeper insight into digital circuit design.

The workshop concluded with Ms. Mrunmayi Modak (TE EXTC) delivering a vote of thanks to the faculty, students, and the TSX team for their efforts in organizing the session. Overall, the event was highly engaging and provided valuable insights into using Proteus for circuit simulation, leaving students better equipped to apply these skills in their academic projects.

Prof. Panil Jain

Prof. Nitin Ahire



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JOIN OUR
PROTEUS
SIMULATION
SEMINAR

by

MR. KEDAR
ALWE



DATE
19TH SEPTEMBER



TIME
1.30PM TO 2.30PM



LOCATION
MICROPROCESSOR &
EMBEDDED SYSTEM LAB

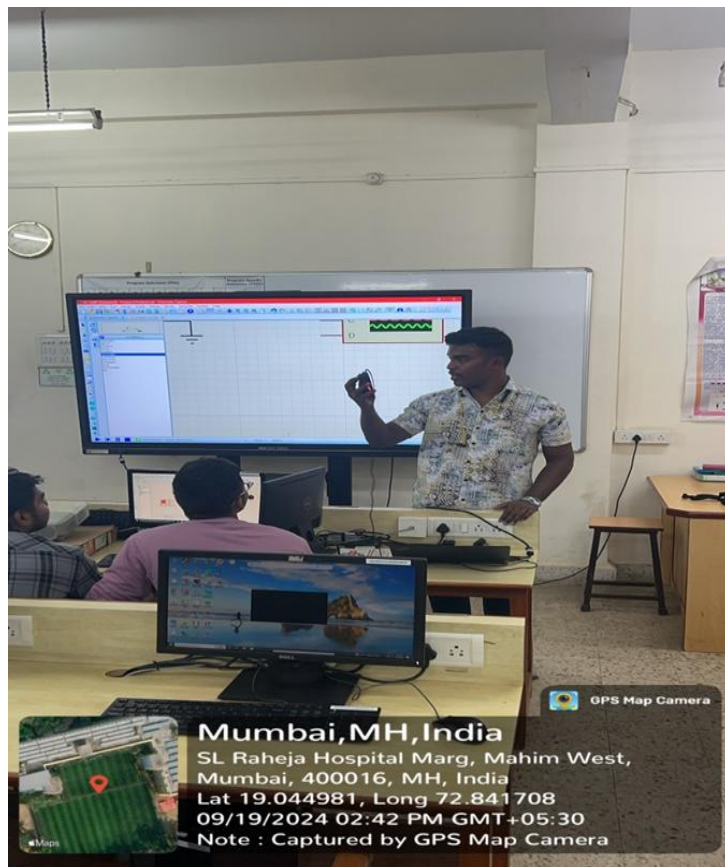




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