

Electrical and Electronics Measurements lab:

The Electrical and Electronics Measurements Lab is a vital component of the electrical engineering curriculum, focusing on enhancing students' measurement techniques and calibration skills. Through a series of hands-on experiments, this lab provides students with practical experience in calibration and testing of various instruments used in electrical measurements. Students gain a deeper understanding of measurement principles, accuracy, and instrument calibration methods.

In the Electrical and Electronics Measurements Lab, students conduct experiments such as the calibration and testing of single-phase energy meters, Crompton D.C. potentiometer calibration for PMMC ammeters and voltmeters, and measurements using bridges for resistance, inductance, and capacitance. They also learn about the measurement of reactive power, parameters of choke coils, power factor meters, and testing of numerical relays. These experiments enable students to develop proficiency in using measurement instruments, understand measurement techniques, and ensure accurate and reliable measurements. The lab sessions enhance their critical thinking, problem-solving, and analytical skills, enabling them to excel in the field of electrical engineering and contribute effectively to various industries and applications where precise measurements are crucial.

