Electronic Devices and Circuits Laboratory

The Electronic Devices and Circuits (EDC) Laboratory provides practical exposure to semiconductor devices and electronic circuits. It helps students understand the characteristics and operation of devices such as PN junction diodes, Zener diodes, BJTs, FETs, and MOSFETs. The laboratory enables students to verify theoretical concepts through hands-on experiments and analyze the performance of various electronic circuits. Students gain experience in designing and testing rectifiers, voltage regulators, amplifiers, and switching circuits. The laboratory familiarizes them with the use of electronic instruments such as oscilloscopes, function generators, power supplies, and digital multi meters. It also develops skills in circuit assembly, measurement techniques, troubleshooting, and data analysis. Through systematic experimentation, students learn the practical aspects of electronic device behavior and circuit operation.

This laboratory strengthens their understanding of analog electronics and serves as a foundation for advanced subjects such as communication systems, VLSI design, and embedded systems. Overall, the EDC Laboratory enhances technical competence, analytical thinking, and problem-solving skills essential for a successful career in Electronics and Communication Engineering



Figure - Electronic Devices and Circuits Laboratory