Electrical and Electronics Engineering Workshop

The Electrical and Electronics Engineering Workshop provides Electronics and Communication Engineering (ECE) students with fundamental practical knowledge of electrical and electronic components, circuits, and engineering practices. The workshop enables students to understand basic electrical wiring, safety procedures, electrical measurements, and the operation of common electrical and electronic devices. Students gain hands-on experience in identifying components, using measuring instruments, performing soldering and desoldering operations, and assembling simple electrical and electronic circuits. The workshop helps them develop practical skills in circuit connections, fault identification, testing, and troubleshooting. Through various exercises and demonstrations, students learn the working principles of transformers, motors, power supplies, switches, relays, and basic electronic circuits. It enhances technical competence, craftsmanship, and safety awareness essential for engineering practice. It also develops problem-solving abilities and confidence in handling electrical and electronic equipment.

The practical knowledge gained in this lab serves as a strong foundation for advanced courses in electronics, communication systems, embedded systems, power electronics, and electrical engineering. Overall, the Basic Electrical and Electronics Engineering Workshop plays a crucial role in developing the hands-on skills and engineering aptitude required for Electronics and Communication Engineering students.



Figure - Electrical and Electronics Engineering Workshop