Electric Circuit Analysis Laboratory:

The Electric Circuit Analysis Lab offers an exciting hands-on learning experience, transforming theoretical concepts into practical engineering applications. Students explore the fascinating world of electrical circuits by investigating voltage, current, power, and network behaviour. Through engaging experiments on Ohm's Law, Kirchhoff's Laws, network theorems, and RLC circuits, learners develop strong analytical thinking and problem-solving skills. The laboratory encourages experimentation, innovation, and critical reasoning while strengthening the fundamentals of electrical and electronic systems.

Equipments

- Regulated DC Power Supply
- Digital Storage Oscilloscope (DSO)
- Digital Multimeter
- Function Generator
- Breadboard
- Ammeter
- Voltmeter
- Decade Resistance Box
- Decade Capacitance Box
- Decade Inductance Box

Electronic Components and Accessories

- PN junction diodes
- Zener diodes
- LEDs and photodiodes
- BJTs (NPN and PNP)
- JFETs and MOSFETs
- Resistors, capacitors, and inductors
- Transformers
- Connecting Wires and Probe Sets




Galaxy F54 5G