

EEE202 Electrical & Electronics Engineering-I (3+0+0 3 Units)

- Circuits - elements, DC and AC circuits, Basic circuit laws and theorems. Resonance, power, power factors, 3-phase circuits.
- Introduction to machines and machine designs.
- Physics of devices -Discharge devices, semi-conductors, diode and transistors.
- Transistor characteristics, devices and circuits
- Electrical and electrical power measurements.
- Instrumentation systems including transducers, signal conditioners, and read out devices. Oscilloscope, recorders, bridges.
- Measurement of voltage, current, resistance, impedance, frequency, phase difference, electric power, energy, force, displacement, temperature, flow, pressure, and other engineering parameters.