

Workplace Requirements

- DC Machines: series motor, shunt motor, compound motor
- Electronic Circuits: bi-stable multi vibrator, stable multi vibrator, mono-stable multi vibrator, elementary SCR speed control
- AC Machines: capacitor start / run motor , 3 phase squirrel cage induction motor, 3 phase slip ring motor, Transformers
- Electronic Components: Resistors, Capacitors, Diodes; Transistors; Thyristors
- Electrical Equipment: control panels, distribution boards, contactors, relays, switch-gear, circuit breakers, timers, isolators, fuse holders, motor control gear, electrical machines, protective devices and lighting systems
- Wiring: panels, starters, motors, motor control gear, electrical distribution systems, protective systems, lighting systems including discharge and fluorescent lamps
- Installations: switch boards; distribution boards; motor control gear; isolators; electrical equipment (racks; trunking; flexible conduit)

Workshop Equipment

- AC / DC Welding Machine
- Gas cutting, Heating and Welding Equipment
- Fixed and portable drilling machines
- Fixed and portable grinding machines
- Grinding wheel dresser
- Mechanical / Hydraulic Press
- Drill bits
- Lifting equipment and tackle
- Crimping and joining tools
- Soldering equipment
- Measuring Instruments: voltmeter, ammeter, energy meter (KWH).
- Testing Instruments: voltage tester, multimeter, insulation tester, oscilloscope, earth leakage polarity tester, phase rotation tester and signal generator.
- Arm / Band power saw
- Bench vice
- Work bench
- Compressor and equipment
- Pipe Bender
- G-clamps
- Heavy duty wrenches
- Heavy duty Sockets
- Spirit level

Hand Tools

- Tool Box
- Screw drivers
- Chisels
- Punches
- Steel tape
- Steel ruler
- Hammer
- Pliers
- Socket set
- Clips
- Hacksaw
- Wrenches (Flat / Rings)
- Shifting Spanner
- Vice Grip
- Hand Files
- Square
- Bevel Gauge
- Wire stripper
- Cable knife

