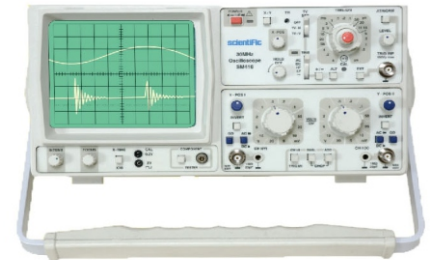


ELECTRONICS LAB

DC ELECTRONICS

1. Network Theorems Trainer
2. Kirchoff's Law Trainer
3. Measurement of Two Port network Parameter
4. Clipper and Clamper Circuit Trainer
5. Millar and Bootstrap Circuit Trainer
6. Millman Theorem
7. OHM'S Law Study Trainer
8. Mesh and Nodal Analysis
9. Familiarisation of Electronics Components & Device



AC ELECTRONICS

1. Active Filter Trainer
2. Analog to Digital Converter
3. Series Resonance Trainer
4. Parallel Resonance Trainer
5. Digital IC Trainer
6. Digital IC Tester
7. Coupled Circuits Trainer
8. Flip Flop using ICs
9. Parallel Adder & Accumulator
10. Notch Filter Trainer
11. 555 IC Sequential Timer
12. RLC Bridge



AMPLIFIERS

1. Design and Testing of Common Source FET Amplifier
2. Transistor Amplifier Trainer
3. CE, CB & CC Amplifier Trainer
4. Class A & B Power Amplifier Trainer
5. RF Tuned Amplifier Trainer
6. Audio Power Amplifier Trainer
7. MOSFET Amplifier Trainer
8. Differential Amplifier Trainer
9. Wide Band Amplifier Trainer
10. RC Coupled Amplifier Trainer
11. Push Pull Amplifier Trainer
12. JFET Common RC Coupled Amplifier
13. Transistor Differential Amplifier Trainer
14. Feedback Amplifier Trainer
15. JFET Common Drain Amplifier Trainer
16. RF Tuned Amplifier Trainer



BASIC ELECTRONICS LAB TRAINERS

1. Attenuator and Equaliser Trainer
2. Multiplexer and Demultiplexer Trainer
3. Passive Band Reject Filter
4. Driver Circuit for LCD System
5. SCR Regulated Power Supply
6. Transistor Based Voltage Regulator



ELECTRONICS AND COMMUNICATION

MICROPROCESSOR AND MICROCONTROLLER LAB

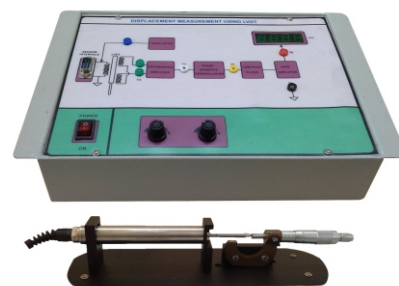
1. 8085 / 8086 Microprocessor Kit
2. 8051 Microcontroller Kit
3. Traffic Light Interface Board
4. Digital Control Interface Board
5. Stepper Motor Interface Board
6. Matrix Key board Interface Board
7. Digital Control Interface Board
8. Printer Status Interface Board
9. Serial Interface and Parallel Interface Board
10. A/D and D/A Interface Board



INSTRUMENTATION

TRANSDUCERS AND MEASUREMENTS LAB

1. Displacement Measurement using Resistive Sensor (LVRT)
2. Strain Measurement Trainer using Strain Gauge Sensor
3. Load Measurement Trainer using Load Cell Sensor
4. Displacement Measurement using LVDT
5. Hall Effect Transducer Trainer
6. Speed Measurement Trainer using Photoelectric/Tachometer
7. LDR Characteristics Trainer
8. Thermistor Characteristics Trainer
9. Thermocouple Characteristics Trainer [J, K, E Types]
10. Step Response of RTD and Thermocouple
11. Temperature Measurement using RTD Sensor (Three & Four Leads)
12. Fiber Optic Transducer for Temperature Measurement
13. Calibration of Single-Phase Energy meter and Wattmeter
14. Bridges (Wheatstone, Kelvin, Schering, Anderson, Maxwell, Hay's)
15. Calibration of Ammeter and Voltmeter Using Potentiometer
16. Calibration of Series and Shunt type Ohmmeters
17. Angular Displacement Using Resistive and Capacitive Transducer
18. Calibrator (RTD & Thermocouple / Temperature / Pressure)



ELECTRICAL

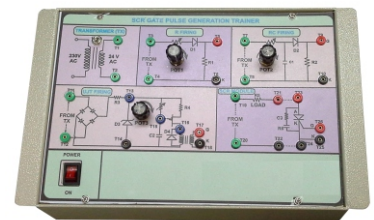
CONTROL & INSTRUMENTATION LAB

1. PID Controller
2. DC Motor Transfer Function Study Trainer
3. Design of Lead-Lag Compensation
4. DC Motor Position Control System
5. AC Motor Position Control System
6. Modelling of Systems Machines, Sensors and Transducers
7. Stability Analysis Of Linear System (Stable/Unstable)
8. Synchro Transmitter and Receiver
9. AC / DC Bridges (Wheatstone, Kelvin, Anderson, Schering)
10. Pressure Measurement Trainer
11. Temperature Measurement using RTD, Thermistor
12. Displacement Measurement Trainer using LVDT
13. Optical Measurement Trainer using LDR, Photodiode
14. Strain Measurement Trainer
15. Flow Measurement Trainer
16. Power and Energy Measurement Trainer
17. Instrumentation Amplifier Trainer
18. A / D and D / A Converter Module
19. Process Simulation



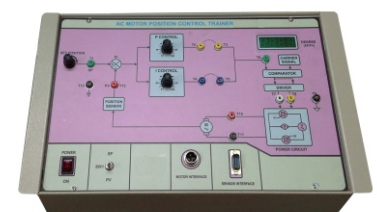
POWER ELECTRONICS AND DRIVES LAB

1. SCR Gate Pulse Generation Trainer
2. Characteristics of SCR, TRIAC, MOSFET and IGBT Trainer
3. Single Phase Half and Fully Controlled Converter Trainer
4. Step Down and Step Up Chopper Trainer
5. IGBT Based Single Phase Inverter Trainer
6. IGBT Based Three Phase Inverter Trainer
7. Single Phase AC Voltage Controller Trainer
8. SMPS Trainer



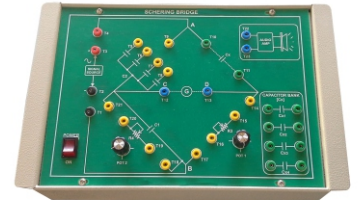
ELECTRICAL MACHINES LAB

1. DC Shunt Motor with Load
2. DC Shunt Motor with Three Phase Alternator
3. DC Series Motor with Load
4. DC Compound Motor with Load
5. Three Phase Induction Motor with Load
6. Single Phase Induction Motor with Load
7. DC Shunt Motor with DC Compound Generator
8. DC Shunt Motor with DC Shunt Generator
9. Synchronous Induction Motor with Load
10. DC Shunt Motor with Three Phase Slipring Induction Motor



Communication Lab

1. Signal Sampling and Reconstruction
2. TDM
3. AM Modulator and Demodulator
4. FM Modulator and Demodulator
5. Line Coding Schemes
6. Pulse code modulation and Demodulation
7. Delta modulation and Demodulation



ELECTRICAL

TESTING AND MEASURING INSTRUMENTS

1. Variable Power Supply [Single / Dual] [(0-30V)1A-5A]
2. High Voltage Power Supply (0-300V/2A)
3. Fixed Power Supply (+ or -5V, + or -12V, + or -15V)
4. Cathode Ray Oscilloscope (CRO) 20MHz to 200MHz
5. Digital Storage Oscilloscope (DSO) 20MHz to 200MHz
6. Function Generator (FG) 1MHz to 10MHz
7. Digital Frequency Meter / LCR Meter
8. Decade Inductance, Capacitance, Resistance Box (4,5,6,7 Dial)
9. Analog Desktop Ammeter/Voltmeter/Wattmeter (Various Ranges)
10. Analog Portable Ammeter/Voltmeter/Wattmeter (Various Ranges)
11. Digital Ammeter/Voltmeter/Wattmeter (Various Ranges)
12. Digital / Analog Multimeter & Stop Watch
13. Clamp Meter / Range Finder
14. Analog / Digital Watt Hour Meter (Energy Meter)
15. Digital Sound Level Meter/LUX Meter/Vibration Meter
16. Analog / Digital Tachometer (Contact or Non Contact Type)
17. Auto Transformer (Single Phase, Three Phase)
18. Lamp Load Bank (Various Ranges)
19. Resistance /Inductive /Capacitive Load Bank (Various Ranges)
20. Furnace [Tubular /Muffle], Oven, Shaker
21. Rheostat (Various Ranges)



SOFTWARE

1. Xilinx Software
2. Mentor graphic
3. MATLAB
4. CST Microwave Studio
5. Cadence

We also Dealing with scientific/Scientech/GWInstek/Meco/Fluke/Rishabh/AE/Metravi