

Electronics and Telecommunication Engineering Department

1. Consumer Electronics LAB

List of major equipment (Costing more than ₹ 50,000)

Digital Storage Oscilloscope

List of experimental set up

- Cathode Ray oscilloscope (20 MHz)
- Function generator. (1 MHz)
- DC Power supply (0-30V)
- Twin transistor power.(0-30V,2A)
- Dual power supply (+/- 15 V)
- Digital storage oscilloscope
- Synchros transmitter and receiver
- Bridges kits
- LVDT
- LCR Q-Meter
- Harmonic distortion meter
- Digital frequency counter
- Spectrum analyzer kit
- Tape recorder kit
- Colour/ Black and white receiver.
- V.C.R
- FAX Machine. (Demo Kit)
- Colour/ Black and white receiver demo kit.
- VCR Demo kit.
- Stabilizer (sero voltage , 1KVA)



2. Communication Engineering LAB

List of major equipment (Costing more than ₹ 50,000)

- AM/FM Signal Generator/
Satelite Communication Trainer

List of experimental set up

- Cathode Ray oscilloscope (20 MHz)
- Function generator. (1 MHz)
- DC Power supply (0-30V)
- Twin transistor power.(0-30V,2A)
- Dual power supply (+/- 15 V)
- AM/FM receiver kit
- Standard RF Signal generator.(72MHZ)
- Digital Standard RF Signal generator. (72MHZ)
- Stabilizer (sero voltage , 1KVA)
- Textronic make output power meter. (0-100W)
- Pulse amplitude modulator.
- Pulse amplitude demodulator.
- Pulse code modulator
- TDM
- Delta modulation generator.
- Error detecting code.
- Adaptor delta modulator.
- TDM Demultiplexing.
- FSK, ASK,QPSK
- Various line code.
- DTMF tone dial generator.
- Demonstration kit for mobile hand set.
- Digital Storage Oscilloscope
- Digital Communication Trainer
- Satelite Communication Trainer
- GPS & GSM Trainer
- AM & FM Generator



3. Microwave & Optical Fibre Communication LAB

List of major equipment (Costing more than ₹ 50,000)

- Fiber Optical Trainer Kit.
- LCD Projector
- Microwave Test Bench

List of experimental set up

- Microwave bench.
- CRO
- Gunn Diode setup .
- VSWR meter.
- Fiber trainer kit.
- DC Power Supply
- Stabilizer (Servo Voltage 1 KVA)
- Function Generator (1 MHz)



4. Power Electronics LAB

List of major equipment (Costing more than ₹ 50,000) Nil

List of experimental set up

- Cathode Ray oscilloscope (20 MHz)
- Function generator. (1 MHz)
- DC Power supply (0-30V)
- Twin transistor power.(0-30V,2A)
- Dual power supply (+/- 15 V)
- Stabilizer (sero voltage , 1KVA)
- Force commutation kit.
- Autotransformer
- 4 digit tachometer.
- SCR characteristics and measurement
- SCR bridge converter.
- Step down chopper.
- SCR Converter and reactive load
- SCR AC Phase control.
- SCR Parallel inverter.
- Basic inverter circuit.
- AC chopper circuit kit.



5. Basic Electronics LAB	
List of major equipment (Costing more than ₹50,000)	Nil
List of experimental set up	
<ul style="list-style-type: none"> • Cathode Ray oscilloscope (20 MHz) • Function generator. (1 MHz) • DC Power supply (0-30V) • Twin transistor power Supply .(0-30V,2A) • Dual power supply (+/- 15 V) • Stabilizer (servo voltage , 1KVA) 	
6. Digital Micro computing LAB	
List of major equipment (Costing more than ₹ 50,000)	<ul style="list-style-type: none"> • Active Hdl 5.2 Software With Synplify Pro • Personal Computers P-IV. • Picoscope (Spectrum Analyzer Software) • Lenovo PC • Microcontroller Kits • VLSI Kit • Logic Analyzer • DSP Kit
List of experimental set up	
<ul style="list-style-type: none"> • Universal Trainer Kit • (FPGA, CPLD model with Spartan) • Digital Signal Processing Trainer. • Microcontroller kits 	

7. PG LAB	
List of major equipment (Costing more than ₹ 50,000)	<ul style="list-style-type: none"> • Lenovo P IV • Matlab- • Laptop Dell vostro • LCD Projectors • Sony camera
List of experimental set up	
8. Embedded system & Robotics LAB	
List of major equipment (Costing more than ₹ 50,000)	Nil
List of experimental set up	
<ul style="list-style-type: none"> • Cathode Ray oscilloscope (20 MHz) • Function generator. (1 MHz) • DC Power supply (0-30V) • Dual power supply (+/- 15 V) 	