



Lab Details		
Department	Name of the Laboratory	Lab / Major Equipments
CIVIL ENGINEERING	ENVIRONMENTAL ENGINEERING LAB	Bod incubator, Digital conductivity meter, Digital nepheloturbidity meter, Dissolved oxygen meter, Hot air oven, Jar test apparatus
CIVIL ENGINEERING	Engineering Surveying Laboratory	Total Station, Total Station
CIVIL ENGINEERING	CONCRETE TECHNOLOGY LAB	Cement mortar mixture, Compaction factor test, Compression test, Concrete mixture, Flow table, J ring Longitudinal compressive meter, Rebound hammer, u-box test, v-tee consistometer, Concrete Vibrator, Le-Chatelier's Apparatus
CIVIL ENGINEERING	SOIL MECHANICS LAB	CBR Test apparatus, Direct shear apparatus, Compaction test apparatus, (light compaction), Hot air oven Hydro meter and high speed stirrer, Permeability apparatus, Sieve brass frame, sieve shaker, Shrinkage limit apparatus, Unconfined, compression test & Extra proving ring, Vane shear apparatus.
CIVIL ENGINEERING	TRANSPORTATION ENGINEERING LAB	Los angles Abrasion test, Ductility test, Ductility test, Universal Penetrometer, Crushing value test , Pensky martens, Ring and ball point, Aggregate Impact test
ELECTRICAL AND ELECTRONICS ENGINEERING	CONTROL SYSTEMS LAB	PLC Trainer, Magnetic Amplifier, Temperature controller using PID, A.C.Servo Motor
ELECTRICAL AND ELECTRONICS ENGINEERING	ELECTRICAL CIRCUITS LAB	Dual Trace oscillator, Model no:HM 203(30MHZ), RPS Single channel(0-30v/2A), Digital Multi meters

ELECTRICAL AND ELECTRONICS ENGINEERING	ELECTRICAL MEASUREMENTS LAB	Phase Shifting Transformer, Electrical loading Rheostats (2.5KW,230V /10A) , Rheostats 50Ω/5A, Stead
ELECTRICAL AND ELECTRONICS ENGINEERING	ELECTRICAL SIMULATION & POWER SYSTEMS LAB	Computers dual core, including 4GB RAM,150GB HDD, keyboard , mouse, CPU(26acers), 4 Wipro computers including, 1GB RAM, 150GB HDD, Computers dual core, including 4GB RAM,500GB HDD, keyboard , mouse, CPU(Lenovo's), MATLAB Software,LCD Projector
ELECTRICAL AND ELECTRONICS ENGINEERING	ELECTRICAL TECHNOLOGY LAB	DC shunt Motor - 3-∅ Alternator, 5HP/220V/1500 RPM,3KW/420V/1500RPM, 3-∅ Induction Motor with drum5HP/415V1410rpm, DC shunt motor with drum5HP/220V/1500RPM
ELECTRICAL AND ELECTRONICS ENGINEERING	ELECTRICAL MACHINES-I LAB	BENN make MG set consisting of DC shunt motor 5 HP 220V, 1500 rpm , coupled with D.C. shunt generator 3KW with 3 point starter, Laboratory Rectifier 100A capacity,BENN make MG set consisting of DC shunt motor 5 HP coupled with D.C. series generator 3KW with 3 point starter,BENN make MG set consisting of DC shunt motor 5 HP coupled with D.C. compound generator 3KW with 3 point starter
ELECTRICAL AND ELECTRONICS ENGINEERING	ELECTRICAL MACHINES-II LAB	Rheostats 300Ω/2A, DC Shunt Motor coupled with sailent pole alternator common base plate with suitable starter 2.5 HP-5KVA,400V, 5Hp DC Shunt Motor coupled With 3KVA, 400V 3 ∅ alternator, 5 HP - 3 KVA 400V
ELECTRICAL AND ELECTRONICS ENGINEERING	MICROPROCESSORS & MICROCONTROLLERS LAB	8086/8088 based, low cost ,Microprocessor trainer, with on-Board USB port, LCD, PC key board, Model: ESA86/88E (Electro systems PVT. Ltd), Microprocessor trainer, with on-Board USB port, LCD, PC key board, Model: ESA86/88E (Electro systems PVT. Ltd),250MA, +30V @ 100 MA,

ELECTRICAL AND ELECTRONICS ENGINEERING	POWER CONVERTERS LAB	3 Phase IGBT based PWM Inverter on R & RL Load, DSP based V/F Control of 3 Phase Induction Motor, PIC Microcontroller based speed control of 3 Phase Induction Motor, Single phase IGBT Based PWM Inverter on R & RL Load
ELECTRICAL AND ELECTRONICS ENGINEERING	POWER ELECTRONICS LAB	DUAL TRACE OSCILLOSCOPE, DUAL TRACE OSCILLATOR, 1 PH HALF CONTROLLED BRIDGE CONVERTER, 1 PH DUAL CONVERTER POWER CIRCUIT UNTI
MECHANICAL ENGINEERING	Workshop	Furnace (Muffle), Hydraulic hack saw machine
MECHANICAL ENGINEERING	Mechanics of Solids	Torsion Testing Machine, Impact Testing Machine, Spring Testing Machine, Vickers Hardness Tester, Universal Testing Machine, Rotating Beam fatigue Tester, Analogue Torsion Testing Machine
MECHANICAL ENGINEERING	Metallurgy	Trinocular Microscope with Computer System Dye Penetrate test rig
MECHANICAL ENGINEERING	Fluid Mechanics and Hydraulic Machines	Pelton Wheel Turbine Test, Francis Turbine Test, Basic Pneumatic trainer, Kaplan Turbine, Reciprocating pump, Single Stage Centrifugal Pump, Multistage Centrifugal Pump, Reciprocating Pump, Impact of Jet waves, Pipe Friction, Bernoulli's Theorem Verification
MECHANICAL ENGINEERING	Manufacturing Technology	"Standard" 25 Tones Hand Operated, Hydraulic press, Stir casting machine, Ultrasonic Bath Sonicator, Sand siver, Universal strength machine (Hydraulic)

MECHANICAL ENGINEERING	Thermal Engineering	3 Cylinder 4 Stroke Maruthi 800 Petrol Engine Test Rig, Single Cylinder 4 Stroke Petrol Engine Test Rig, 4 Stroke Single Cylinder Water Cooled Diesel Engine, Twin Cylinder 4 Bomb Calorimeter, Junker Gas Calorimeter Stroke Diesel Engine Test Rig, Refrigeration Tutor, Air Conditioner Trainer, 2 stage air compressor test rig, Separating & Throttling Calorimeter with mini boiler Solar Flat plate Collector Apparatus, VCR petrol Engine Test Rig, 5 gas analyser & Smoke meter Bomb Calorimeter, Junker Gas Calorimeter
MECHANICAL ENGINEERING	Machine Tools	4.5 lathe machine with norton gear box &with standard accessories, 4.5 lathe machine with norton gear box &with standard with 8 X 4Jaw dog chuck, All geared center lathe machine shaping machine 12 inch size, Tool &cutter grinder 8 inch size, surface grinding machine Universal milling machine, Slotting machine 6 inch size, Radial drilling machine 25 mm capacity, double column type planing machine 4.5 inch size, Lathe Tool Dynamometer
MECHANICAL ENGINEERING	Metrology	Surface roughness tester Advanced Tool maker Microscope with 5MP digital camera
MECHANICAL ENGINEERING	Machine Dynamics	vibration apparatus Pin on disc apparatus computerised
MECHANICAL ENGINEERING	CAD/CAM	XL Turn & XL Mill Machines MTAB XI Turn & XL Mill Accessories M TAB Ansys-17 Software Package
MECHANICAL ENGINEERING	ARC	Igus Rob link RBT5532, Igus Rob link RBT3322
MECHANICAL ENGINEERING	3D Printing	Colido X 3045 3D printer 3D Printer (Ultimaker S5Pro Bundle)



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COMPUTER SCIENCE & ENGINEERING	R PROGRAAMMING LAB	DELL Vostro 3250 - Intel(R) Core™ i3-6100 CPU @ 3.70 GHz 3.70 GHz 4 GB of RAM 500 GB HARD DISK
COMPUTER SCIENCE AND ENGINEERING	PROBLEM SOLVING USING PYTHON LAB	DELL Vostro 3250 - Intel(R) Core™ i3-6100 CPU @ 3.70 GHz 3.70 GHz 4 GB of RAM 500 GB HARD DISK
COMPUTER SCIENCE AND ENGINEERING	CNS LAB	Intel(R) Pentium(R) CPU G3250@3.20 GHZ 4 GB of RAM 500GB SATA HDD
COMPUTER SCIENCE AND ENGINEERING	CSE WORKSHOP	Intel(R) Pentium(R) CPU G3250@3.20 GHZ 4 GB of RAM 500GB SATA HDD
COMPUTER SCIENCE AND ENGINEERING	SE AND UML LAB	Intel (R) Core(TM) i5 128 GB HP CPU 8 GB RAM 120 SSD
COMPUTER SCIENCE AND ENGINEERING	DBMS LAB	Intel (R) Core(TM) i5 CPU 3470@3.20 GHZ 4 GB RAM 500 GB SATA HDD
COMPUTER SCIENCE AND ENGINEERING	MAD LAB	Intel(R) i7(R) CPU G3770@3.40 GHZ 3.40GHz 16 GB RAM 250GB SDD
MASTERS IN COMPUTER APPLICATIONS	MACHINE LEARNING WITH PYTHON LAB & STATISTICAL PROGRAMMING WITH R LAB	67 HP 15 PROCESSOR 8 GB RAM
MASTERS IN COMPUTER APPLICATIONS	OS & LINUX LAB & WEB TECHNOLOGIES LAB	68 HP 15 PROCESSOR 8 GB RAM
ELECTRONICS & COMMUNICATION ENGINEERING	Signals & Systems Lab	Lenovo Systems, Printer, MATLAB 8.1Software
ELECTRONICS & COMMUNICATION ENGINEERING	Analog and Digital Communications Lab	Spectrum analyzer, Function Generators, Regulated Power Supply, Analog Communication Lab Trainer Kits, Digital Communication Lab Trainer Kits, RF Signal Generators,



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		Frequency Counter, Digital Storage Oscilloscopes, Bread Board Trainers.
ELECTRONICS & COMMUNICATION ENGINEERING	VLSI & Embedded Systems Lab	Lenovo Systems, Printer, FPGA Trainer Kits, Xilinx Place & Route Software, FPGA Trainer Kits, Xilinx Primary Lab Package-ISE Foundation (Lab License), Mentor Graphics Back End Tool-HEP-1, Mentor Graphics Front End Tool-HEP-2, Xilinx Vivado System Edition 16.2v, Analog Discovery Kit-4, Cadence University Bundle Analog & Digital FE & BE, Zedboard Zynq-7000 Development Board, Nexys 4 Artix-7 DDR Kit
ELECTRONICS & COMMUNICATION ENGINEERING	Electronic Devices & Circuits Lab	Servo Voltage Stabilizer, Cathode Ray Oscilloscopes, Function Generators, Regulated Power Supplies, Bread Board Trainer, Lab Trainer Kits, Rectifier Kits.
ELECTRONICS & COMMUNICATION ENGINEERING	Digital Signal Processing Lab	Lenovo Systems, Printer, MATLAB 8.1 Software, DSP Starter Kits TMS 320 6713, Texas Instruments (TI) Interface Modules,
ELECTRONICS & COMMUNICATION ENGINEERING	IoT Lab	Lap Tops – Acer, Lenovo Monitors 18.5”, Node MCU with USB Cable, Raspberry Pi3 with USB Cable, Arduino with USB Cable, Ultrasonic Sensors, Relay Module, Infra Red Sensors, LDR Sensor, MQ-2 Gas Sensor, PIR Sensor, DHT 11 temperature and Humidity Sensor, LCD Projector & Accessories.
ELECTRONICS & COMMUNICATION ENGINEERING	Electronic Circuits & Pulse Circuits Lab	Regulated Power Supplies, Cathode Ray Oscilloscopes, Bread Board Trainers, Multisim Software.
ELECTRONICS & COMMUNICATION ENGINEERING	Basic Electrical and Electronics Engineering Lab	Servo Voltage Stabilizer, Cathode Ray Oscilloscopes, Function Generators, Regulated Power Supply, Bread Board Trainers, Rectifier Kits.



	Microprocessors and Interfacing Lab	Lenovo Systems, Printer, Embedded Artists EA-OEM-410+segger 8.08.90, Keil MCB 167U-EO, Interface Modules, 8086 Microprocessors Kits, 8051 Microcontroller Kits.
ELECTRONICS & COMMUNICATION ENGINEERING	ELECTRONICS & COMMUNICATION ENGINEERING	Microwave Benches, Digital Storage Oscilloscopes, Function Generators, Optical Communication Trainer Kits, Optical Time Domain Reflectometer, Mobile Handset Trainer, Satellite Communication Trainer, Microstrip Communication Trainer, Antenna Trainer Setup, Zedboard Zynq-7000 Development Board. S Matrix Characterization of E Plane Tee, H Plane Tee & Magic Tee
ELECTRONICS & COMMUNICATION ENGINEERING	Linear and Digital IC Applications Lab	Regulated Power Supply, Digital IC Tester, Function Generators, Cathode Ray Oscilloscopes, Bread board trainers, Lab Trainer Kits, Lenovo Systems, Printer, FPGA Trainer kits, Xilinx Place & Route Software, FPGA Trainer Kit, Xilinx Primary Lab Package-ISE Foundation (Lab License).
ELECTRONICS & COMMUNICATION ENGINEERING	Digital Logic Design Lab	Regulated Power Supply, Digital IC Tester, Function Generators, Cathode Ray Oscilloscopes, Bread Board Trainers, Lab Trainer Kits.
ELECTRONICS & COMMUNICATION ENGINEERING	ADVANCED COMMUNICATIONS LAB	HP Corei5 Systems, MATLAB 8.1(5 User), DSP Starter Kits TMS 320 6713 Texas Instruments.
ELECTRONICS & COMMUNICATION ENGINEERING	DESIGN & SIMULATION LAB	HP Corei5 Systems, Xilinx Vivado System Edition 16.2v (25 User), Scientech 110 Universal Development
ELECTRONICS & COMMUNICATION ENGINEERING	DESIGN AND SIMULATION OF ELECTRONIC CIRCUITS	Lenovo Desk Tops (HP Corei5), Raspberry Pi3 with USB Cable, Arduino with USB Cable



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ELECTRONICS & COMMUNICATION ENGINEERING	DESIGN OF SYSTEMS USING ARDUINO AND RASPBERRY PI	Lenovo Desk Tops (HP Corei5), Raspberry Pi3 with USB Cable, Arduino with USB Cable
ELECTRONICS & COMMUNICATION ENGG	SKILL LAB	Lenovo Desk Tops (HP Corei5), Raspberry Pi3 with USB Cable, Arduino with USB Cable
CIVIL ENGINEERING	ENGLISH COMMUNICATION SKILLS LAB	HP commercial Desktop systems, Digi Link at 6 cable
ELECTRONICS & COMMUNICATION ENGINEERING	CHEMISTRY LAB	Digital calorimeter, Digital conductivity meter, Viscometer, Ph meter, Turbidity meter, Analytical Balance.
COMPUTER SCIENCE & ENGINEERING	Physics Lab	Diffraction grating Glass slide(wedge plates) Meldes Apparatus, Mercury vapour lamp, Magnifier Meldes, Ammeter, Battery eliminators, B-H Curve circuit, Commutator keys, chuck nuts(pair)