


### Department wise Lab Details

Department Name	Laboratory Name	Room No.	Area(Sq .M)	Major Equipments and Systems
Department of Computer Science Engineering	Design and Analysis Algorithm Lab	224	233 Sq.m	79 Systems
	Web Technology Lab with mini project			
	Machine Learning Lab			
	Computer Programming Lab	225	233 Sq.m	70 Systems
	DBMS Lab with Mini project			
	Computer Graphics Lab with mini project			
	Computer Network Lab			
	System Software and Operating Systems Lab			
	Internet Programming Lab			
	Unix Systems Programming Lab			
	Data Structures Lab	209	107 Sq.m	30 Systems, Oscilloscopes, Function Generator, Power Supply
	Analog and Digital Electronics Lab			
	Microprocessors Lab			
Electronic Circuit and Logic Design Lab	210	85 Sq.m	31 Systems	
English Communication Lab				
Department of Electronics and Communication Engineering	Verilog HDL Lab and Embedded Controller Lab	320	85 Sq.m	35 Systems
	Microprocessor and DSP Lab	323	85 Sq.m	15 Systems
	Computer Networks Lab and VLSI Lab	321	107 Sq.m	20 Systems
	Analog Electronics Circuits Lab	324	85 Sq.m	Oscilloscopes - 10 Nos, Function generators - 11 Nos, Power supplies - 25 Nos
	Analog Communication Lab/Advanced Communication Lab	322	85 Sq.m	Oscilloscopes - 9 Nos, Function Generators - 20 Nos, Power Supply - 20 Nos, Optic Fiber kit, Microwave Test Bench, Microwave equipments, antenna set up, Modulation kits, IC Tester kit, VSWR Meter, Microwave Signal Generator.
	Power Electronics Lab and Digital Electronics Lab	303	107 Sq.m	Digital Trainer Kit -30, ICs, IC Tester kit
	Department Of Electrical and Electronics Engineering	Electrical Machines Lab-1 & 2	123	233 Sq.m
Electronics lab and Op-AMP and Linear IC Lab, Power Electronics Lab		116	85 Sq.m	Oscilloscopes- 9 Nos, Function Generator- 7 Nos, Power Supply- 5Nos, Digital Trainer kits- 10 Nos
Microcontroller Lab and CAED Lab, Control Systems Lab, Relay and High Voltage Lab, Power System Simulation Lab, DSP Lab		122	233 Sq.m	Intel Pentium Dual Core with LCD Monitor, Optical Mouse-28 Nos, Microcontroller kits -10 Nos
Basic Electrical Engineering Lab		106	85 Sq.m	Measurement of Power by using Two-Wattmeter kits, Measurement of Line and phase values of

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8/7/19

  
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 Anekal, Bengaluru - 562 106

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				Balanced Star and Delta Kits, Two way and Three way control of Lab
Department of Mechanical Engineering	Workshop Practice Lab	Block D	335 Sq.m	34 Bench Vices, 2 Welding Machines, Hand Shear Cutting Machine, Surface Plate, Pipe Vice.
	Machine Shop Lab	Block B	335 Sq.m	Lathe, Milling Machine, Shaping Machine, Drilling Machine, Surface Grinding Machine, Pedestal Grinding Machine, Power Hacksaw Machine etc.
	Material Testing Lab	Block C	335 Sq.m	Brinell Hardness Testing Machine, Rockwell Hardness Testing Machine, Impact Testing Machine, Universal Testing Machine, Wear Testing Machine, Torsion Testing Machine, Crack Detector Apparatus
	Fluid Mechanics and Machinery Lab	Block B	335 Sq.m	Venturi & orifice meters, Pipe friction, Impact of jets, Flow through notches and weirs, Impulse and reaction turbines, Centrifugal and reciprocating pumps.
	Foundary and Forging Lab	Block D	335 Sq.m	Hearth Forge, Anvil, Swage Block, Sand Testing Analysis, Sieve Analysis, Clay Content, Permeability, Universal Sand Testing Machine, Core hardness testing machine.
	Energy conversion Lab	Block C	335 Sq.m	Cut sectioned petrol and diesel engines, Multi cylinder petrol engine, Single cylinder petrol engine, 4-Stroke diesel engine, Variable compression ratio diesel engine, Boiler models, Assembly and dis-assembly of engines. Viscometers, Calorimeter, Flash and Fire apparatus, carbon residue apparatus.
	Heat Transfer Lab	Block E	335 Sq.m	Composite slab, Stefan Boltzmann, Emissivity test, Metal rod, Pin fin, Transient natural, forced convections. Refrigeration test rig, Parallel and counter flow apparatus, Air Condition test rig, Thermal Conductivity apparatus.
	Design Lab	Block E	335 Sq.m	Journal Bearing Set up, Whirling of shaft, Governor apparatus, Gyroscope, Balancing of masses, vibration set up, Polariscope, Strain Rosette apparatus
	CAED/CAM Lab	219 & 220	143 Sq.m	61 Systems
	Computer Integrated Manufacturing lab and Modeling and Analysis Lab	203	107 Sq.m	24 systems ,CNC vertical machining center, CNC turning centre, 3D printing machine, 6 Axis Aristo Robot, Basic hydraulic and pneumatic training kit, CAM software and Aristosim software.
	Mechanical Measurements and Meterology Lab	222	85 Sq.m	Pressure Gauge, Thermocouple, LVDT, Load Cell, Strain gauge, Optical Projector, Tool Maker Microscope, Sine bar, Sine Center, Bevel Protractor, Autocollimator, Lathe tool dynamometer, drill tool dynamometer, Surface roughness, mechanical comparator, gear tooth vernier, gear tooth micrometer, slip gauges, Optical Flats.

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Photos

## Computing Labs and Laboratories









Main Innovation Centre



Innovation Centre -ECE



Innovation centre- CSE



Seminar hall





Sir M Visvesvaraya AV Hall

