



## List of Laboratories along with Major Equipment

<b>Department of Civil Engineering</b>						
<b>S.No.</b>	<b>Dept.</b>	<b>Name of the Laboratory</b>	<b>Room No.</b>	<b>Area in (sq.mt)</b>	<b>Area in (sq.ft)</b>	<b>Name of the Major Equipment</b>
1	CIVIL	Environmental Engineering Lab	3117	86.89	935.3	COD Analysis Incubators
2	CIVIL	Geotechnical Engineering Lab	3118	96.99	1044	Compaction Test Setup, Direct Shear Test Setup, Tri Axial Test Setup
3	CIVIL	Transportation Engineering Lab	3116	104.98	1130	Marshal Stability Test Machine, Devals Attrition Testing Machine
4	CIVIL	Concrete Technology Lab	3115B	104.98	861.113	Compression Testing Machine, Mobile Core Cutter
5	CIVIL	MATLAB, Revit Laboratory, GIS Lab	8208	78.40	843.8976	Computer Systems (30), MATLAB R2016b (30 Licenses)
6	CIVIL	Engineering Geology Laboratory	3116A	65.98	710.160	Rocks and Minerals
7	CIVIL	Computer Application in Engineering Lab, CAD Lab, EQS Lab	7115	65.98	710.160	Computer Systems (30), STAAD Pro Software
8	CIVIL	Surveying Lab	3115	78.50	844.964	Total Station, Theodolites, Auto Levels
<b>Department of Electronics and Communication Engineering</b>						
<b>S.No.</b>	<b>Dept.</b>	<b>Name of the Laboratory</b>	<b>Room No.</b>	<b>Area in (sq.mt)</b>	<b>Area in (sq.ft)</b>	<b>Name of the Major Equipment</b>
1	ECE	Electronics Devices and Circuits Lab I	1202	65.98	710.160	Regulated Power Supplies (0-30 V) (12), Cathode Ray Oscilloscopes (0-20 MHz) (12), Function generators (5MHz) (12)
2	ECE	Electronics Devices and Circuits Lab II	1202A	65.98	710.160	Regulated Power Supplies (0-30 V) (12), Cathode Ray Oscilloscopes (0-20 MHz) (12), Function generators (5MHz) (12)

3	ECE	Basic Simulation Lab I	1314	65.98	710.160	COMPUTER SYSTEMS (30), MATLAB R2016b (30 Licenses)
4	ECE	Basic Simulation Lab II	1413	65.98	710.160	COMPUTER SYSTEMS (30), MATLAB R2016b (30 Licenses)
5	ECE	Digital Logic Design Lab - I	1409	100.99	1087.000	Cathode Ray Oscilloscopes (0-20 MHz) (12), Function Generator (0-1)MHz (12), Regulated Power Supply (0-30)V(12), Digital IC Trainer Kits (12)
6	ECE	Digital Logic Design Lab - II	11103	65.98	710.160	Cathode Ray Oscilloscopes (0-20 MHz) (12),Function Generator (0-1) MHz (12),Regulated Power Supply (0-30)V(12), Digital IC Trainer Kits (12)
7	ECE	Analog and Digital Communications Lab I	4214	65.98	710.160	Regulated Power Supply (0-30 V) (12), Cathode Ray Oscilloscopes (0-20 MHz) (10), Function Generators 0-1MHZ (minimum)(10), Spectrum analyzer( 500MHZ) -1 , RF Signal Generator(3 GHz) - 1,Arbitrary Wave form Generator (10MHz), Experimental trainer kits (AM,DSBSC,SSB, FM,FDM, TDM PPM, Sampling Theorem Verification, PCM,DM ,Line Coding Techniques , ASKPSKFSK Trainer (one each )-Total 12
8	ECE	Analog and Digital Communications Lab II	4214A	65.98	710.160	Regulated Power Supply (0-30 V) (12), Cathode Ray Oscilloscopes (0-20 MHz) (10), Function Generators 0-1MHZ (minimum)(10), Spectrum analyzer( 500MHZ) -1, RF Signal Generator(3 GHz) - 1, Arbitrary Wave form Generator (10MHz), Experimental trainer kits (AM,DSBSC,SSB, FM,FDM, TDM PPM, Sampling Theorem Verification, PCM,DM ,Line Coding Techniques , ASKPSKFSK,Trainer (one each -Total 12
9	ECE	Analog Circuits Lab - I	4301	65.98	710.160	TINA PRO Software (20 licenses), Personal Computers - 16, Regulated Power Supplies (0-30 V) (6), Cathode Ray Oscilloscopes (0-20 MHz ) (6), Function generators (5MHz) (6)
10	ECE	Analog Circuits Lab - II	11101	65.98	710.160	TINA PRO Software (20 licenses), Personal Computers - 16, Regulated Power Supplies (0-30 V) (6), Cathode Ray Oscilloscopes 0-20 MHz (6), Function generators (5MHz) (6)
11	ECE	IC Applications Lab - I	7104	65.98	710.160	Cathode Ray Oscilloscopes (0-20 MHz) (12), Function Generator (0-1)MHz (12), Regulated Power Supply (0-30)V(12), Digital IC Trainer Kits (12)

12	ECE	IC Applications Lab - II	5212	65.98	710.160	Cathode Ray Oscilloscopes (0-20 MHz) (12), Function Generator (0-1)MHz (12), Regulated Power Supply (0-30)V(12), Digital IC Trainer Kits (12)
13	ECE	Digital Communications Lab - I	1402	65.98	710.160	Digital Storage Oscilloscopes - 11, Experimental Trainer kits (Sampling Theorem Verification, TDM, PCM, DPCM, DM, ADM, Line Coding Techniques, ASK,,PSK,,FSK, DPSK,QPSK (one each )-12, Cathode Ray Oscilloscope (0-20 MHz ) (1), Dual Power Supply - 3, 1MHzFunction Generators -- 2
14	ECE	Micro Processors and Micro Controllers Lab- I	1211	65.98	710.160	PC (dual core Processor) -30, MASM software (open Source) - 30, 8086 Microprocessor kits -18, 8051 Embedded Evolution Board with Real Time clock Interfacing - 10, Dual DAC interface -4, ADC interface - 4, Keyboard interface - 4, LCD interface - 4, Stepper Motor Controller - 4, Traffic Light Controller - 2 , 4 digit seven segment LCD - 2
15	ECE	Micro Processors and Micro Controllers II/Embedded systems lab	7102	65.98	710.160	PC (dual core Processor) -30, MASM software (open Source) -30, 8086 Microprocessor kits -18, 8051 Embedded Evolution Board with Real Time clock Interfacing -10, Dual DAC interface -4, ADC interface - 4, Keyboard interface - 4, LCD interface - 4, Stepper Motor Controller - 4, Traffic Light Controller - 2 , Vx Works - 5, Logic analyser -1
16	ECE	Digital Signal Processing Lab - I	1313	65.98	710.160	DSP STARTER KITS (DSK) TMS320C6713 with Code Composer Studio-32 bit floating point processor - 9, OMAP L-138/6748 DSP starter kit with XDS100 JTAG emulator & ccs -1, Computer Systems (30), MATLAB R2016b (30 Licenses), Cathode Ray Oscilloscopes 0-20 MHz (3), Function Generator (0-1)MHz (3)
17	ECE	Digital Signal Processing Lab - II	13115	65.98	710.160	DSP STARTER KITS (DSK) TMS320C6713 with Code Composer Studio-32 bit floating point processor - 9, OMAP L-138/6748 DSP starter kit with XDS100 JTAG emulator & ccs -1, Computer Systems (30), MATLAB R2016b (30 Licenses), Cathode Ray Oscilloscopes 0-20 MHz (3), Function Generator (0-1)MHz (3)

18	ECE	Internet Of Things Application Lab - I	101015	65.98	710.160	Raspberry Pi 3 model B (Wireless, Bluetooth ) with LDR modules.IR Sensor Module, Relay modules, DHT 11 Sensor, -11
19	ECE	Internet Of Things Application Lab - II	101016	65.98	710.160	Raspberry Pi 3 model B (Wireless, Bluetooth ) with LDR modules.IR Sensor Module,Relay modules,DHT 11 Sensor, -11
20	ECE	VLSI Lab - I	1414	65.98	710.160	Xilinx Vivado System Design Software -25, Nexys4 DDR Artix-7 FPGA Boards - 15 Zed Development Boards (Artix-7 FPGA along with ARM Processor - , Cadence University Bundle Suite 15, Personal Computers -33
21	ECE	VLSI Lab - II	1303	65.98	710.160	Xilinx Vivado System Design Software -25, Nexys4 DDR Artix-7 FPGA Boards - 15 Zed Development Boards (Artix-7 FPGA along with ARM Processor - , Cadence University Bundle Suite 15, Personal Computers -33
22	ECE	Antenna Simulation Lab - I	1210	65.98	710.160	Antenna Training Setup (manual) -3, Antenna Training Setup with Motorized rotating unit - 1, Computer Systems -15, Experimental trainer kits -2, ANSYS HFSS Software - 20users
23	ECE	Antenna Simulation Lab - II	4302	65.98	710.160	Antenna Training Setup (manual) -3, Antenna Training Setup with Motorized rotating unit - 1, Computer Systems -15, Experimental trainer kits -2 ANSYS HFSS Software - 20users
24	ECE	Microwave and Optical Communications Lab - I	1402A	65.98	710.160	Optical Trainer Kits - 4, Cathode Ray Oscilloscopes (0-20 MHz) -2, Klystron Microwave bench setup -7, Gunn Diode Benches -1
25	ECE	Microwave and Optical Communications Lab - II	4212	65.98	710.160	Optical Trainer Kits - 4, Cathode Ray Oscilloscopes (0-20 MHz) -2 Klystron Microwave bench setup -7, Gunn Diode Benches - 1
26	ECE	Basic Electronics Lab	5205	65.98	710.160	Regulated Power Supplies 0-30V (12), Cathode Ray Oscilloscopes (0-20 MHz) (12) Function generators (5MHz) (12)

**Department of Electronics and Computer Engineering**

<b>S.No.</b>	<b>Dept.</b>	<b>Name of the Laboratory</b>	<b>Room No.</b>	<b>Area in (sq.mt)</b>	<b>Area in (sq.ft)</b>	<b>Name of the Major Equipment</b>
1	ECM	MPMC Lab	1211- A	70.00	753.470	8086 Microprocessor kit (18 Nos), 8051 Embedded Evaluation boards (15 Nos) , Personal Computers(INTEL Core2duo,RAM : 2GB,HARD DISK: 150 GB) (34 Nos), Traffic light controller (5 Nos), Elevator Interface (2 Nos), 8 bit DAC interface (6 Nos),Keyboard interface (6 Nos), Real time clock (2 Nos), Seven segment interface (4 Nos), Stepper motor (10 Nos), 8279,8259,8255,8253 study card (12 Nos) , Digital oscilloscope (5 Nos) , Arm 9 kit (1 Nos), PIC Microcontroler (1 Nos), Universal programmer (1 Nos),Regulated power supply (2 Nos), Stepper motor Interfacing kits (6 Nos)
2	ECM	Web Technologies	1307	70.00	753.470	Computers (HP 280 G2MT, RAM 4GB, HDD 1TB, Processor Intelcore I3) with jdk, apachetomact, my sql and Xampp or lamp stack (30 Nos)
3	ECM	OOPTJ Lab	1308	70.00	753.470	Computers (DELL Optiplex 380, RAM 4GB, HDD 500GB, Processor Dualcore) with jdk (13 Nos), Computers (HP 280 G3MT, RAM 8GB, HDD 1TB, Processor Intel (R) core (TM) i5 - 7500) with JDK (18 Nos)
4	ECM	VLSI Lab	1405	70.00	753.470	SPARTAN 3E FPGA kits (14 Nos), SPARTAN 6E FPGA kits (1 No), ZED Board FPGA Making Kit (ZYNQ) (1 No), Computers (HP 280 G2 MT-INTEL) (30 Nos), Computers (HP Compaq 4000) (3 Nos), Computers (HP Elite 8000) (2 Nos), Computers (HPZ 210, Intel i7 Processor) (1 No)
5	ECM	Embedded Systems Lab	1406	70.00	753.470	HP 280G2 MT Intel core i3 6100 processor 4 GB RAM (30 Nos), ARM7 KIT-LPC2148 (16 Nos), 30 MHz Dual Trace Oscilloscope (4 Nos), DC Regulated Power supply - PHY 8230D (4 Nos), UTS MC - 8051 Kits (Phillips P89C51RD2) (19 Nos)

6	ECM	Analog and Pulse Circuits Lab	1410	105.99	1140.900	CRO- 13, Digital Multimeter-13, Function Generator -13, Regulated Power Supply-13, Decade Inductance Box-13, Decade Resistance Box -13, Decade Capacitance Box-13, Dc Voltmeter (0-20V)-13, Dc Voltmeter (0-50V)-13, Dc Voltmeter (0-100V)-13, Dc Ammeter (0-200UA)-13, Dc Ammeter (0-50mA)-13, Dc Ammeter (0-100mA)-13, Tuned RF Amplifier Kit - 2, Class A Power Amplifier KIT-2, Class C Power Amplifier Kit - 2, Class B Push Pull Amplifier Kit - 2, Computer (HP COMPAQ 4000 PRO ) - 10, Computer (HP 280 G3) - 20
7	ECM	DBMS Lab	7105	70.00	753.470	Computers (HP 280 G3MT, RAM 8GB, HDD 1TB, Processor Intel (R) core (TM) i5 - 7500) with Oracle 10g (10 Nos), Computers (HP PRO 3335MT PC,Processor - AMD ATHLON, RAM-4GB) with Oracle 10g (20 Nos)
8	ECM	IC Applications Lab	7113	66.00	710.400	Cathode ray oscilloscope (11 Nos), Function generator (11 Nos), IC Trainer Kits (11 Nos), Regulated Power supply (0-30V)(11 Nos), Digital Multimeter (11 Nos)
9	ECM	EDC Lab	13116	66.00	710.410	Regulated Power Supply (0 - 30V) (12 Nos), Digital Multimeter (12 Nos), Voltmeters(0-50V) (12 Nos), Voltmeters (0-100V) (12 Nos), CRO (12 Nos), Ammeters (0-200 mA) (12 Nos), Ammeters (0-200 μA) (12 Nos), Ammeters (0-10 mA) (12 Nos), Decade Resistance Box (12 Nos), Decade capacitance Box (12 Nos), Decade Inductance Box (12 Nos), Function Generator (12 Nos)

**Department of Computer Science and Engineering**

S.No.	Dept.	Name of the Laboratory	Room No.	Area in (sq.mt)	Area in (sq.ft)	Name of the Major Equipment
1	CSE	Computer Networks Lab	2102	66.00	710.418	No.of systems: 35 (HP make), RAM: 4GB,Hard disk: 1TB, Processor: Intel core I3
2	CSE	IT Workshop and Python Programming Lab	2102A	66.00	710.418	No.of systems: 44 (HP make), RAM: 4GB, Hard disk: 1TB,Processor: Intel core I3

3	CSE	OOAD and PP Lab / CASE tools Lab	2203	66.00	710.418	No.of systems: 33 (HP make),RAM: 8GB,Hard disk: 1TB,Processor: Intel core I5
4	CSE	OOAD and PP Lab	2203A	66.00	710.418	No.of systems: 38 (HP make),RAM: 8GB,Hard disk: 1TB,Processor: Intel core I5
5	CSE	IT Workshop and Python Programming Lab	2209	71.00	764.238	No.of systems: 37 (HP make),RAM: 4GB,Hard disk: 1TB,Processor: Intel core I3
6	CSE	Database Management Systems Lab / Web Technologies Lab	2214	72.00	775.002	No.of systems: 65 (HP make),RAM: 4GB,Hard disk: 1TB,Processor: Intel core I3
7	CSE	NPTEL Lab	2214A	72.00	775.002	No.of systems: 72 (HP make),RAM: 4GB,Hard disk: 1TB,Processor: Intel core I3
8	CSE	Data Warehousing and Data Mining Lab	2414	66.00	710.418	No.of systems: 32 (HP make),RAM: 4GB,Hard disk: 500GB,Processor: Intel core 2 Duo
9	CSE	Data Warehousing and Data Mining Lab	2414A	66.00	710.418	No.of systems: 30 (HP make),RAM: 4GB,Hard disk: 500GB,Processor: Intel core 2 Duo
10	CSE	Projects Lab	2414B	66.00	710.418	No.of systems: 38 (HP make),RAM: 4GB,Hard disk: 500GB,Processor: Intel core 2 Duo
11	CSE	Software Testing and Information Security Lab	4109	66.00	710.418	No.of systems: 54 (HP make),RAM: 4GB/8GB,Hard disk: 160GB/1TB Processor: Intel core 2 Duo / Intel core I3(I5)
12	CSE	Software Testing and Information Security Lab	4109A	66.00	710.418	No.of systems: 36 (HP make),RAM: 4GB/8GB,Hard disk: 160GB/1TB Processor: Intel core 2 Duo / Intel core I3(I5)
13	CSE	Problem Solving using C Lab / Data Structures (C,C++) Lab	4215	66.00	710.418	No.of systems: 30 (HP make),RAM: 8GB,Hard disk: 1TB,Processor: Intel core I5
14	CSE	Problem Solving using C Lab / Data Structures (C,C++) Lab	4215A	66.00	710.418	No.of systems: 30 (HP make)RAM: 8GB,Hard disk: 1TB,Processor: Intel core I5
15	CSE	Problem Solving using C Lab / Data Structures (C,C++) Lab	4215B	66.00	710.418	No.of systems: 30 (HP make),RAM: 8GB,Hard disk: 1TB,Processor: Intel core I5

16	CSE	IT Workshop	4303	70.00	753.474	No.bof systems: 36 (HP, ACER make), RAM: 2GB,Hard disk: 320GB/1TB, Processor: Intel core I3
17	CSE	Software Testing and Information Security Lab	4309	70.00	753.474	No.of systems: 30 (HP make),RAM: 8GB,Hard disk: 1TB,Processor: Intel core I5
18	CSE	Object Oriented Programming through Java Lab	10101	72.00	775.002	No.of systems: 32 (HP make),RAM: 4GB/8GB,Hard disk: 1TB,Processor: Intel core I3
19	CSE	Object Oriented Programming through Java Lab	10102	72.00	775.002	No.of systems: 60 (HP make),RAM: 4GB/8GB,Hard disk: 1TB,Processor: Intel core I3

**Department of Mechanical Engineering**

S.No.	Dept.	Name of the Laboratory	Room No.	Area in (sq.mt)	Area in (sq.ft)	Name of the Major Equipment
1	Mech	Metallurgy Lab	9116	67.18	723.119	Metallurgical Microscope 450 X, Muffle furnace (Max. 1000 degree), Jominy end quench test apparatus, Hot air drier, Disc Polish Machine, Standard Metal Sample set Linsher
2	Mech	Fuels and Lubricants Lab	9103	67.18	723.119	Redwood Viscometer -I, Engler Viscometer Apparatus, Distillation Apparatus , Cloud And Pour Point Apparatus, Carbon Residue Test , Redwood Viscometer -II ,Say Bolt Viscometer Apparatus, Junker's Gas Caloriometer , Grease Penetration Test, Pensky Martin's Apparatus, Bomb Caloriometer
3	Mech	Manufacturing Processes Lab	6008	183.00	1969.8	TIG Welding Machine, ARC Welding Machine, SPOT Welding Machine, ,Oil fired furnace, Sand Testing Equipment 40 T Hydraulic press, Plasma Cutting Machine, Induction Furnce, MIG welding Machine, Sub merged Arc welding, EDM Machine
4	Mech	Machine Tools Lab	6001	265.44	2857.172	Lathes, Radial Drilling Machine Slotting Machine Centerless Grinder & Surface Grinder Milling Machine (Vertical Turret), Planer Machine Lathe TURN Master-40. Shaper, Tool and Cutter Grinding.



5	Mech	Applied Thermodynamics Lab	6004	168.77	1816.625	Compressibility Measurement Setup, Air Conditioner Trainer – Duct type , Four Stroke Multi Cylinder Petrol Engine, Variable Compression Ratio Single Cylinder diesel engine test rig, Computerized single cylinder Diesel Engine Test Rig, Four Cylinder Four Stroke Diesel with Eddy Current Dynamometer ,Computerized Engine Setp, Multi Cylinder Petrol Engine Test Rig for Morse Test
6	Mech	Kinematics & Dynamics of Machines Lab	7210	70.00	753.474	Digital stroboscope , Vibration experiments in modular form, Universal governor apparatus, Cam Analyser, Static and dynamic balancing apparatus Whirling of shaft apparatus Motorized gyroscope Determination of pressure distribution in journal bearing
7	Mech	Heat Transfer Lab	6005	79.53	856.053	Pin Fin Apparators, Critical Heat Flux Apparatus, Emmisivity Measurement Apparatus , Heat Transfer Through Lagged Pipe Heat Transfer in Natural Convection, Heat Transfer in forced convection Heat Transfer Composite wall, Prallel and counter flow Stefan Boltzman Apparatus, Thermal Conductivity of Metal Rod Thermal conductivity of insulating powder, Heat pipe, Condensation in Drop wise Film wise forms- Critical Heat Flus Apparators Model
8	Mech	Metrology Lab	9102	67.18	723.119	Bore guage with dial (18-35mm), Comparator ( Millimess),Dial Guage 10 mm Range 0.01 L.C., Height Gauge (0-300), Micro meter (out side), Micro meter ( In side) , Micro meter Gear tooth 0-25 mm Tool maker micro scope (Model-TM-94), Bevel protractor 150/300mm Sine Bar , Slip Gauge sets, Surface plate with stand (Granite) 630 x 630mm Screw thread plug Gauges,Screw thread plug Gauge , Three wire sets with micrometer holder ,

9	Mech	Instrumentation Lab	7207	69.86	751.966	Dead weight pressure guage, Temperature Trainer Kit, Strain Measurement Kit, Vibration Measurement Setup, Proving ring, LVDT Signal conditioner, Pressure Measurement, Pressure Transducer, Load cell, Torque Measurement system, Calibration of capacity transducer, Linear variable Differential transformer (LVDT),
10	Mech	CAD	2109	70.00	753.474	ANSYS Academic Teaching, CATIA V5, Computer Systems-30
11	Mech	CAM	2107	104.00	1119.45	CNC Lathe, CNC Milling, 6 Axis Robot, 3D Printer
12	Mech	Workshop/Manufacturing Processes Lab-I	9103	221.48	2383.990	Lathe Machine , Drilling Machine , Bench Grinder, Power hack saw, Vernier Height guage, Surface plate,, A/C Welding Machine, Hand shearing Machine Bench vices
13	Mech	Workshop/Manufacturing Processes Lab-II	6009	225.00	2421.88	Lathe Machine ,Drilling Machine , Bench Grinder, Power hack saw, Vernier Height Guage, Surface plats, A/C Welding Machine, Hand shearing Machine Bench vices
14	Mech	Workshop/Manufacturing Processes Lab-III	7111	200.00	2152.78	Lathe Machine , Drilling Machine ,Bench Grinder, Power hack saw, Vernier Height guage, Surface plate, A/C Welding Machine, Hand shearing Machine Bench vices

**Department of Information Technology**

S.No.	Dept.	Name of the Laboratory	Room No.	Area in (sq.mt)	Area in (sq.ft)	Name of the Major Equipment
1	IT	Object Oriented Programming through Java Lab	10106	66.00	710.418	No. of systems: 32 (HP make), RAM: 4GB, Hard disk: 1TB, Processor: Intel core I5
2	IT	IT Workshop	10105	66.00	710.418	No. of systems: 38 (HP make), RAM: 4GB, Hard disk: 1TB, Processor: Intel core I3
3	IT	Operating Systems Lab	2410	66.00	710.418	No. of systems: 30 (HP make), RAM: 8GB, Hard disk: 1TB, Processor: Intel core I3
4	IT	Android Application Development Lab	2308	106.00	570	No. of systems: 31 (HP make), RAM: 8GB, Hard disk: 1TB, Processor: Intel core I5
5	IT	Database Management Systems Lab	2308A	106.00	570	No. of systems: 31 (HP make), RAM: 8GB, Hard disk: 1TB, Processor: Intel core I5

6	IT	Compiler Design lab	2412	66.00	710.418	No. of systems: 30 (HP make), RAM: 8GB,Hard disk: 1TB, Processor: Intel core I3
7	IT	Data Warehousing and Data Mining Lab	2302	52.95	570	No. of systems: 31 (HP make), RAM: 8GB, Hard disk: 1TB,Processor: Intel core I5
8	IT	Design Analysis and algorithms Lab	2411	66.00	710.418	No. of systems: 30 (HP make), RAM: 8GB, Hard disk: 1TB, Processor: Intel core I3
9	IT	Information Security Lab	9101	66.00	710.418	No. of systems: 32 (HP make),RAM: 4GB,Hard disk: 1TB,Processor: Intel core i3
10	IT	Web Technologies Lab	2302A	52.95	570	No. of systems: 31 (HP make), RAM: 8GB,Hard disk: 1TB,Processor: Intel core I5

**Department of Electrical and Electronics Engineering**

S.No.	Dept.	Name of the Laboratory	Room No.	Area in (sq.mt)	Area in (sq.ft)	Name of the Major Equipment
1	EEE	Power Systems Lab	1103	70.00	753.474	Determination of Equivalent circuit of a 3 Winding Transformer, MACHINES:5HP DC Shunt Motor coupled to 3KW Alternator (Cylindrical Rotor Type,6 Terminal), Determination of Positive, Negative and zero sequence reactance of 3 ph Transformers using sequence current excitation fault calculation, Characteristics of Percentage biased of Electro Magnetic differential Relay (Electro Mechanical Type), Characteristics of Static Negative Sequence Relay( Static), Performance and Testing of 3Ph.Transformer Protection, Performance and Testing of Transmission line Model 220KV/ 400Km Model, Differential Protection on Single Phase Transformer (Electro Mechanical ) , Generator Protection - Merz price protection scheme study panel, RECTIFIER UNIT: AC INPUT 3phase, 440V, DC OUTPUT 220V, 100A, (Static Model)

2	EEE	Power systems Simulation Lab, MPMC Lab	1107	100.00	1076.390	MATLAB ----- 10 Users, Mi-Power -----10 Users, Computers (2.8 GHz, 2 GB RAM, AMD Dual core processor)
3	EEE	Electrical Machines Lab	1101A	120.00	1291.670	D.C. Series Generators with series Motors & 2 point starter. Series Machine (3.7K.W220V 20 Amps) Series Machine (3.5 K.W; 220V; 15.9 Amps 1500 RPM), D.C. Compound Generator - Motor Set D.C. Motor (K.W.5.2Volts: 220V ) D.C Compound Generator(K.W.3.5 Volts: 220) R.P.M.1500) M.S. Base Plate with Coupling 4 Point Starter, Rectifier Unit (input - 415V 40 AMPS 3-f)
4	EEE	Control Systems Lab, Measurements and Instrumentation- Lab	1111	70.00	753.474	PLC kit, Industrial Kelvin Double Bridge
5	EEE	Electrical Circuits and Networks Lab	1311	70.00	753.474	Power supply 0-30V/2A (single channel), Cathode Ray oscilloscope, LCR Bridge 230Vm 50Hz, 0.15A
6	EEE	Power Electronics Lab	1112	80.00	861.113	1-f Dual converter, a) i) Single phase cyclo converter power circuit; ii) R – load ; iii) L – load , iv) Centre tap transformer ; b) single phase cyclo converter firing circuit
7	EEE	Electrical workshop lab	7103	70.00	753.474	Oil Testing Equipment
8	EEE	Electrical Circuits and Networks Lab	1312	70.00	753.474	Power supply 0-30V/2A (single channel), Cathode Ray oscilloscope, LCR Bridge 230Vm 50Hz, 0.15A
9	EEE	Elements of Electrical Lab	3115A	70.00	947.224	O.C&S.C Tests on Single Phase Transformer Transformer 1-phase, 1KVA, 230/115V, 50Hz Auto transformer single phase 20A, 0-270V,50Hz -1No, Brake test on three phase Induction motor Induction motor - 3-Phase ,5 HP ,400 V 50Hz with mechanical arrangement Wattmeter UPF 600 V, 10/20 A - 2 No's, Speed control of DC shunt motor DC compound motor 5HP, 220 V, DC REGULATED POWER SUPPLY(0-30V), CRO (0-20)MHZ, FUNCTION GENERATOR (0-1)MHZ

10	EEE	Electrical Technology Lab	1109	88.00	753.474	O.C&S.C Tests on Single Phase Transformer 1-phase, 1KVA, 230/115V, 50Hz Auto transformer single phase 20A, 0-270V,50Hz -1No, Brake test on three phase Induction motor squirrel cage Induction motor - 3-Phase ,5 HP ,400 V 50Hz with mechanical arrangement Wattmeter UPF 600 V, 10/20 A - 2 No's, Speed control of DC shunt motor DC compound motor 5HP, 220 V, DC REGULATED POWER SUPPLY(0-30V), CRO (0-20)MHZ, FUNCTION GENERATOR (0-1)MHZ
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**Department of Science and Humanities**

S.No.	Dept.	Name of the Laboratory	Room No.	Area in (sq.mt)	Area in (sq.ft)	Name of the Major Equipment
1	S&H (English)	Oral Communication Lab-I	8201	97.58	1050.3424	Public Address System(PAS)– OS-666, Cordless Collar Microphone – PROTON-PV97MK2, Round Table, Podium, View Mirrors, Digital LED Colour Television MICROMAX - 3T4500FHD, Digital Handy cam Camera – SONY- HDR-CX405, Tripod Stand (Digitek), Data Video Projector.
2	S&H (English)	Oral Communication Lab-I	4208	86.00	925.696	Public Address System (PAS) – OS-666, Cordless Collar Microphone – PROTON-PV97MK2, Round Table, Podium, View Mirrors, Digital LED Colour Television MICROMAX-43T4500FHD, Digital Handy cam Camera–SONY-HDR-CX405, Tripod Stand (Digitek), Data Video Projector.
3	S&H (English)	Soft Skills Lab	7205	54.50	586.6331	Public Address System (PAS) – OS-666, Cordless Collar Microphone – PROTON-PV97MK2, Table for Group Discussion, Digital Handycam Camera – SONY-HDR-CX405, Tripod Stand (Digitek), Data Video Projector.

4	S&H (English)	Oral Communicatio n Lab-I	7201	48.00	516.7	Public Address System (PAS) – OS-666, Cordless Collar Microphone – PROTON-PV97MK2, Table for Group Discussion, Digital Handycam Camera – SONY-HDR CX405, Tripod Stand (Digitek), Data Video Projector.
5	S&H (Physics)	Applied Physics Lab	4211	94.00	1011.816	Compound Pendulum, Torsional Pendulum, LCR-Circuit, RC-Circuit, Sonometer-Laws, Melde's Experiment, Newton's Rings, Diffraction Grating-LASER, Light Emitting Diode, Dispersive Power, Stewart-Gee's Experiment, GM Counter
6	S&H (Physics)	Engineering Physics Lab	4209	76.00	818.064	Planck's Constant, Dispersive Power, Diffraction Grating-LASER, Numerical Aperture, Stewart-Gee's Experiment, Sonometer-AC Frequency, LCR-Circuit, RC-Circuit, Torsional Pendulum, Energy Gap of a Semiconductor, Light Emitting Diode, GM Counter.
7	S&H (Chemistry)	Chemistry Lab	4315	68.00	731.946	Bomb Colorimeter, UV Chamber, Waterbath, Redwood Viscometer
8	S&H (Chemistry)	Chemistry Lab	4313,4313(A)	140.00	1506.95	Hot Air Oven, Digital Conductivity Meter, Digital Potentiometer, UV Chamber, Water Distillation Plant, Digital Weighing Machine, Colorimeter, Flash & Fire Point

**Department of Computer Science and Engineering (DS)**

S.No.	Dept.	Name of the Laboratory	Room No.	Area in (sq.mt)	Area in (sq.ft)	Name of the Major Equipment
1	CSE – (DS)	OOPJ/DBMS Lab	11106-A	72.00	775.002	No. of Systemes : 33 – HP RAM 8 GB HD : 512 GB , Processor, Intel Core I5
2	CSE – (DS)	SE & CO/ DAA&R Lab/ OS Lab	11106 – B	71.00	764.238	No. of Systemes : 33 – HP RAM 8 GB HD : 512 GB , Processor, Intel Core I5

**Department of Computer Science and Engineering (AI & ML)**

S.No.	Dept.	Name of the Laboratory	Room No.	Area in (sq.mt)	Area in (sq.ft)	Name of the Major Equipment
1	CSE – (AI& ML)	ISEM: OOPJ/ SE LAB  II SEM: DBMS Lab / R Programming / OS lab	11102- A	66.00	710.418	No. of Systems: 33 – HARDWARE: Make: HP Model,: HP 280 Pro G6 PC Processor: Core i5 / 10th Generation Memory: 8 GB RAM and HDD:512 GB No. of. Systems: 36
2	CSE – (AI& ML)	ISEM: OOPJ Lab  II SEM: DAA Lab / DBMS Lab / OSLab	11102 – B	66.00	710.418	HARDWARE: Make: HPModel- HP 280 Pro G6 PC Processor: Core i5 / 10th Generation Memory: 8 GB RAM HDD:512 GB No. of. Systems: 31 Make: HP Processor: AMD Athlon(tm) 64 X2 Dual Core Processor3800+ Memory: 2 GB RAM HDD:80 GBNo. of. Systems: 05

**Department of Computer Science and Engineering (IoT)**

S.No.	Dept.	Name of the Laboratory	Room No.	Area in (sq.mt)	Area in (sq.ft)	Name of the Major Equipment
1	CSE (IoT)	OOPJ/DBMS Lab, Cyber Forensics Lab, Software Testing Lab, R Programming Lab	11102-C	96.00	1033.34	HP 286 G6 DESKTOP Processor Core i5 / 10th Gen Memory 8 GB RAM and 1 TB SSD Number of Systems 33
2	CSE (IoT)	Python Programming Lab, Programming Using Linux Lab, DevOps Lab, DAA Lab, Database Systems Lab	11106-C	94.00	1011.81	HP 400 G7 DESKTOP Processor Core i5 / 10 <sup>th</sup> Gen Memory 16 GB RAM and 1 TB SSD Number of Systems 33

**Department of Computer Science and Engineering (Cyber Security)**

S.No.	Dept.	Name of the Laboratory	Room No.	Area in (sq.mt)	Area in (sq.ft)	Name of the Major Equipment
1	CSE (CS)	OOPJ/DBMS Lab	11105	66.00	710.418	36 Computer Systems, Model: HP 400 G7 Desktop, Core i5/ 10th Gen RAM 16 GB, 1 TB SSD, Ubuntu Linux OS, Star UML 5.0.2, DOSBoX, Oracle XE 11.2, . Turbo C++ 3.2.2.0, jdk 15.0.2, gcc Compiler, NS-2

2	CSE (CS)	SE/OS/CN	11104	66.00	710.418	36 Computer Systems, Model: HP 400 G7 Desktop, Core i7/ 10th Gen RAM 16 GB, 1 TB SSD, Windows 10 OS, Ubuntu Linux OS, Star UML 5.0.2, DOSBoX, Oracle XE 11.2, . Turbo C++ 3.2.2.0, jdk 15.0.2, gcc Compiler, NS-2
<b>Common Labs</b>						
S.No.	Dept.	Name of the Laboratory	Room No.	Area in (sq.mt)	Area in (sq.ft)	Name of the Major Equipment
1	CIVIL/ Mech	Hydraulics and Hydraulic Machinery Lab, FM Lab/ Fluid Mechanics and Hydraulic Machinery Lab	6003	127.80	1375.627	Pelton Turbine, Francis Turbine. / Pelton Wheel Test Rig, Francis Turbine Test Rig, Kaplan Turbine Test Rig, Major and Minor losses test Setup, Centrifugal Pump Reciprocating Pump Test Rig, Notches, Mouth Piece setup. Venturimeter, Orifice Meter.
2	CIVIL/ Mech	Strength Of Materials Lab/ Mechanics of Solids Lab	6002	133.87	1440.96	100 Ton Computerized UTM, 40 Ton UTM, Torsion Testing Machine. / Brinell hardness testing machine, Izod impact tester, Rockwell hardness testing, Spring Testing Torsion testing, Tensile Testing, Compression Testing, Dial gauge with magnetic stand, UTM (40 tons).
3	IT/ S&H (English)	Python Programming Lab/ Oral Communication Lab-I	5201	66.00	710.418	No. Of systems: 30(hp make), ram: 4gb, hard disk: 500gb, processor: intel core i5. / (acer(08-systems) processor: intel(r) core(tm) i3-4170 cpu @ 3.70ghz 3.70 ghz Installed ram : 4.00 gb (3.88 gb usable) system type : 64-bit operating system, x64-based processor hard disk- 500gb) .hp (52- systems) Processor 12th gen intel(r) core(tm) i5-12500t 2.00 ghz Installed ram 8.00 gb (7.68 gb usable) system type 64-bit operating system, x64-based processor hard disk -500gb. mac(15-systems) 7 systems having windows os 8 systems having mac os intel(r) core(tm) i5-4260u cpu @1.40ghz 2.00 ghz Installed ram 4.00 gb (3.88 gb usable) system type 64-bit operating system, x64-based processor hard disk -500gb



4	IT/ CSE (IoT)	Computer Networks Lab/Cyber security and Machine Learning Lab, Cloud computing and IOT Lab, CN & OS Lab Web Technologies lab Design and Analysis of Algorithms Lab	5201A	66.00	710.418	No. of systems: 30(HP make), RAM: 4GB, Hard disk: 500GB, Processor: Intel core i5./ HP PRO MINI 400 G9 DESKTOP Processor intel core i5 12500T 2.0Ghz Memory8 GB RAM and 500 GB SSD Number of Systems :34
5	IT/ S&H (English)	Problem solving using C and Data Structures. / Oral Communication Lab-I	4114	70.00	753.474	No. of systems: 32 (HP make), RAM: 4GB, Hard disk: 1TB, Processor: Intel core i3./ Multimedia Computers ACERVERITON- M200-H110, Head Phones (USB) LOGITECH H-340, White Board with Stand, Printer, Scanner, Network-setup Switches, Chaords, Racks, Panels &Connectors.
6	IT/ S&H (English)	Problem solving using C and Data Structures. / Oral Communication Lab-I	4114A	66.00	710.418	No. of systems: 32 (HP make), RAM: 4GB, Hard disk: 1TB, Processor: Intel core i3./ Multimedia Computers ACERVERITON- M200-H110, Head Phones (USB) LOGITECH H-340, White Board with Stand, Printer, Scanner, Network-setup Switches, Chaords, Racks, Panels &Connectors,
7	IT/ S&H (English)	Problem solving using C and Data Structures. / Oral Communication Lab-I	4114B	66.00	710.418	No. of systems: 32 (HP make), RAM: 4GB, Hard disk: 1TB, Processor: Intel core i3./ Multimedia Computers ACERVERITON- M200-H110, Head Phones (USB) LOGITECH H-340, White Board with Stand, Printer, Scanner, Network-setup Switches, Chaords, Racks, Panels &Connectors,