

Sl. No.	Department	Classroom details			Lab details			
		Area(sqm)		Physical facilities	Name	Physical facilities	Area(sqm)	
		Actual	As per AICTE				Actual	As per AICTE
1	Mechanical	2130	1650	3 classrooms with projector and system	CIM Lab	HP Compaq pcs 21 Nos, CNC lath, CNC Milling, Ansys 5.4, HP Laser Printer, Projector.	6946	2904
					Computer Aided Drafting Lab	HP Compaq pcs, Solid edge software, HP Laser Printer, Projector.		
					Design Lab	Journal Bearing test rig, Station Rosetters, Circular polaris Cope, Gyroscopes.		
					Energy Conversion Engineering Lab	Multy Cyl Petrol Eng, 2 Stroke petrol Eng, Diesel Eng, Red wood Viscometer, Flash and Fire point.		
					Fluied Machanics Lab	Pelton turbine, Frances Turbine, Keplon Turbine, Venturi Meters, Friction Through pipes.		
					Foundry & Forging Lab	Universal Sand testing equipment with Accessories, core hardness tester, Heating oven.		
					Heat Transfer Lab	Stegfen Boltzman Apparatus, Emissiveity Measurement Apparatus, Parallel flow and counter flow heat Apparatus.		
					Machine Shop	Y2K Lathes, Milling machine, Shaping Machine, Hmt Lathes, Radial Drilling Machine.		
					Material testing Lab	Universal testing machine, Wear testing Machine, Hardness testing machine, impact testing machine.		
					Measurement and Metrological Lab	Measurement of cutting faces using drill tool dynamometer, callibration of thermocouple, Lvdt.		

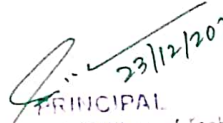
2	Electronics and Communications Engineering	270	198	3 ICT Classroom with Projector and Systems	EDI Lab	CRO - 7, DSO - 9, Fixed Power Supply -14, RPS -10 , DIB -7, DRB -11, DCB -9, Function Gen.-8 , HP systems i3 (Mini) 4 , 5KV stablizer-1 , Pspice simulation Software - HP systems - 5: Processor intel core Duo Speed ; 3GHz RAM .	510	396
					DSD Lab	Digital IC trainer Kits - 15, IC tester - 1 , HP systems - 2 , 5KV stablizer-1 DSP kits - 12, Pspice simulation Software - HP systems - 5: Processor intel core Duo Speed ; 3GHz RAM .		
					DSP LAB	DSP KITS -12 HP systems - 15: Processor intel core Duo Speed ; 3GHz RAM , 2GB HD . Server Lenovo Intel Dual Core 2 with LCD Monitor		
					HDL Lab	HDL kits - 15, ADM OLD HDL kits - 10, HDL kit Power supply - 15, HDL interfacing GPIO I - 15, HDL interfacing GPIO II - 15 , DC MTR - 15, Stepper MTR - 15, Xilinx Software XILINX FPGA'S XC2S50 , XC2S100 , XC2S200 , XC3S400.		
					VLSI Lab	HP systems i3 - 19 , HP Server - 1 , Cadence tool for 20 Systems HP systems - 15: Processor intel core Duo Speed ; 3GHz RAM , 2GB HD, Cadence Software (Perpetual License) for 20 systems		
					Advanced Comm Lab	DSO-7, Function Gen.-20, Fixed Power supply - 10, μ Strip antennas, coupler, power divider, ring resonator, Klystron power supply, Gunn power supply, VSWR meter - 2, Klystron mount - 2 , wave guide -2		
					μ C Lab	HP systems - 16, P89c61BN 8051 kit -10, MSP430 kit -10 , DAC, Keypad, LCD,DC MTR, Stepper MTR, Temperature Controller Interfacing kits, Power supplies		
					Analog Circuits + LIC Lab	CRO - 8, Dual Function Gen.-2, Fixed Power Supply -18, QPSK Kit Mod -2, QPSK Kit DeMod -2,DPSK Kit Mod -2, DPSK Kit DeMod -2, HP systems - 4		
					CCN Lab	HP systems i3 - 19, Turbo - C , NS2 Software		
ARM Lab	ARM kit - 15, HP systems - 15, DC MTR interface - 14, Stepper MTR interface - 14 , ARM Power supply - 14,							

3	Electrical & Electronics Engineering	70.4	65	1 Classroom with projector	BEE Lab	Resistive load Bank 3 Phase,5A/415V 5 step, Measurement of Volt Current Power/Power Factor Unit, Transformer 415 V/470V,6A,3Phase Auto Transformer.	1756.2	1350
					High Voltage Lab	High voltage transformers, Microprocessor based over\nder voltage relay, Fuse characteristics.		
					Control System Lab	Ac servomotor speed toruqe study unit, Dc servomotor speed torque study unit, PID controller		
					Power Electronic Lab	SCR inverter module, decade inductance box, decade capacitance box, signal generator, decade resistor box		
					Power System Simulation Lab	Computers Hp 5 NOS, Monitors, UPS 6 KVA		
					DC Machines lab	DC series motor, DC shunt motor, DC generator, 3 Phase Induction Motor with M>Loading, DC Ammeters, AC Ammeters.		
					Transformers & Induction Machines Lab	1-Phase Transformers 3kv, 1-Phase Transformers 1kv. AC voltmeters, LPF wattmeters, DOUBLE-ELEMENT-wattmeters, UPF wattmeters.		
					Logic Design Lab	UP kits, Up power supply, Connector set, Decade Inductance Box, Decade Resistance Box 2 to 3 NOS, 555 timer		
					Circuit Simulation lab	Energy meters, Voltmeters, Ammeters, Rheostats, wattmeters		
					Analog Electronics Lab	CRO, LD kids,RC coupled Amplifier using BJT, Rc phase shift oscillator, Crystal oscillator.		

4	Mining Engineering	92	66	3 classrooms (2 Classrooms with projector and system)	Mine Surveying Lab I & II	Total Station, Transit Theodolite (15 no's), Dumpy Level(9 no's), Prismatic Compass (8 no's), Surveyor Compass (8 no's), Miners dial(3 no's).	1307.96	1225
					Mining Electrical Engg Lab	2KVA Transformers, DC Shunt Motors, DC Shunt Generators, DC Compound Generator, Single Phase and 3 Phase Induction motor, Auto transformers, Ammeters, Voltmeter, Wattmeters.		
					Computer applications in Mining lab	HP Compaq pcs (12 no's), Solid edge software, AutoCAD 2013, HP Laser Printer, Projector.		
					Mine Environment Lab	Multi gas detector, Dust Sampler, CO Detector, Anemometer (Analog-2 no's, Digital-4nos), Flame Safety Lamp (GL50-5nos), AL Live Respirator, Wista Gas mask (2 no's), Centrifugal fan, Axial Flow Fan.		
					Mine Mechanization Lab	Holman Drilling machine (5nos), Airleg (3 no's), Double Ram pump, Pulley Wheel, Fly wheel.		
					Mine Optimization Lab	HP Compaq pcs (12 no's).		
					Mining Geology Lab I & II	Rock forming mineral -174 no's, Ore forming mineral – 84, Microscope – 4 no's, Animal fossil – 23, Plant fossil – 20 no's, Granite cube-24 no's, Fault and Fold model – 2 nos.		
					Mineral Processing Lab	Ball mill, Jaw crusher, Roller crusher, Flotation cells (3-5 lts), Will Fly Table, Mineral Jig, Sieve shaker.		
					Rock Mechanics Lab	Brazilian apparatus, Core drilling machine, Point Load apparatus, Slake durability, Minute Blasting, Universal testing machine.		

5	Computer Science and engineering	2130	1584	6 classrooms with projector and system and seminar hall	C Programming Lab	Hp Compaq 6200, 6300 pro mt system, Amaron 12V-65Ah Batteries 10Kva Ups.	796.86	700
					Computer networks/Web Programming/Ss & Os lab	HP Compaq Dx7480 Pc		
					DBMS/Computer Graphics/Machine Learning Lab	P4 Core 2 Duo Systems, Ups 20Kva, DVD Writer.		
					DS/DAA	HP Compaq Dx2480 Business Pc, Hp Compaq 3330 Pc, HP Compaq Dx 7480 Pc.		
					EC Simulation and Microprocessor Lab	HP Compaq Dx2480 Business Pc, Liebert 20Kva Ups, Exide 40 Ahel Battery.		
					Hard Ware Labs	Microprocessor Interface Kits, Falcon Cro, Traineer kit, Als, Als Pci 07 48 Lines I/O Cards.		
					Internet Lab	P4 Core 2 Duo Systems, Ups 20Kva, DVD Writer. Windows XP		
6	Civil	211.2	193.2	3 classrooms with projector and system	Geo Technical Lab	Triaxial, Proctor compaction, air oven, permeability, desicator, core cutting, Shear apparatus, direct shear, casagrande, sieves,	200	111.52
					Concrete & High way lab	Flexiraul strength, Marshall stability, viscometer, Los angles, impact, flash & fire point, Vb test, Ductility	200	115.52

7	Basic science & Humanities	386.4	422.4	5 classrooms and 1 classroom with projector	Engg Chemistry Lab	Instrument analysis- Conductometry, Potentiometry, Ph meter, colorimeter, Flame photometry and Ostwald's viscometer, glass apparatus and chemicals related to university experiments.	130.1	200
					Engg Physics Lab	Spring constant, transistor characteristics kit, Fermi energy, deflection galvanometer, laser diffraction set, travelling microscope for Newtons rings, photo diode kit, Moment of inertia kit, optical fibre kit, series and parallel resonance kit	97	200


 23/12/2021
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