

Laboratory and Workshop

List of Major Equipment/Facilities in each Laboratory/Workshop

S.No	Programme	Department	Course	Level	Is it Research Lab for PG Course?	Name of the Laboratory	Lab / Major Equipments	Type	Building Name
1	ENGINEERING AND TECHNOLOGY	MECHANICAL ENGINEERING	MECHANICAL ENGINEERING	UNDER GRADUATE	No	CAD/CAM LAB	PLOTTER, CAD/CAM SOFTWARE, COMPUTERS	Laboratory	Laboratory Block
2	ENGINEERING AND TECHNOLOGY	FIRST YEAR/OTHER	FIRST YEAR/OTHER	UNDER GRADUATE	No	CHEMISTRY LAB	POTENTIOMETER, SPECTROMETER, FLAME METER, PH METER, CONDUCTIVITY METER	Laboratory	Laboratory Block
3	ENGINEERING AND TECHNOLOGY	COMPUTER SCIENCE AND ENGINEERING	COMPUTER SCIENCE AND ENGINEERING	UNDER GRADUATE	No	COMMUNICATION SKILLS LAB	SYSTEM & NETWORKING	Laboratory	Laboratory Block
4	ENGINEERING AND TECHNOLOGY	ELECTRONICS AND COMMUNICATIONS ENGINEERING	ELECTRONICS AND COMMUNICATIONS ENGINEERING	UNDER GRADUATE	No	COMMUNICATION SYSTEM LAB	COMMUNICATION TRANSMISSIONS RECEIVER KITS, CRO & FG DRPS.	Laboratory	Laboratory Block
5	ENGINEERING AND TECHNOLOGY	FIRST YEAR/OTHER	FIRST YEAR/OTHER	UNDER GRADUATE	No	COMPUTER LAB	COMPUTERS, P RINTERS, SOFTWARES, ROUTERS, SWITCHES, UPS	Laboratory	Laboratory Block
6	ENGINEERING AND TECHNOLOGY	ELECTRONICS AND COMMUNICATIONS ENGINEERING	ELECTRONICS AND COMMUNICATIONS ENGINEERING	UNDER GRADUATE	No	COMPUTER NETWORKS LAB	PC WITH NEW VERSION, LAN TRAINER Kit, PC-PC communication kit. Network simulator academic version 2.	Laboratory	Laboratory Block
7	ENGINEERING AND TECHNOLOGY	CIVIL ENGINEERING	CIVIL ENGINEERING	UNDER GRADUATE	No	CONCRETE & HIGHWAY LABORATORY	VEEBEE CONSISTOMETER, CBR APPARATUS, Ring and Ball guide, Compaction factor test, penetrometer appar	Laboratory	Laboratory Block
8	ENGINEERING AND TECHNOLOGY	CIVIL ENGINEERING	CIVIL ENGINEERING	UNDER GRADUATE	No	CONCRETE AND HIGHWAY	flow table apparatus, compression	Laboratory	Laboratory Block

						Y ENGINE ERING LAB	testing machine, ductility testing machinig, Aggregate Impact testi		
9	ENGINEERING AND TECHNOLOGY	ELECTRIC AL AND ELECTRO NICS ENGINEER ING	ELECTRICAL AND ELECTRONICS ENGINEERING	UNDER GRADUAT E	No	CONTR OL SYSTEM LAB	DC & AC SERVO MOTOR, TRANSFER FUNCTION OF DC MOTOR, STEPPER MOTOR, CRO, FG, AMMETER, VOLT METER	Labo rator y	Laboratory Block
10	ENGINEERING AND TECHNOLOGY	ELECTRO NICS AND COMMUN ICATIONS ENGINEER ING	ELECTRONICS AND COMMUNICAT IONS ENGINEERING	UNDER GRADUAT E	No	DIGITAL & IC LAB	CRO, FG, IC TRAINER KIT, DECADE BOXES	Labo rator y	Laboratory Block
11	ENGINEERING AND TECHNOLOGY	ELECTRO NICS AND COMMUN ICATIONS ENGINEER ING	ELECTRONICS AND COMMUNICAT IONS ENGINEERING	UNDER GRADUAT E	No	DIGITAL SIGNAL PROCES SING LAB	PC WITH NEW VERSION, C50 5416 & 6713 EACH 1 NOS. CRO,FG	Labo rator y	Laboratory Block
12	ENGINEERING AND TECHNOLOGY	COMPUTE R SCIENCE AND ENGINEER ING	COMPUTER SCIENCE AND ENGINEERING	UNDER GRADUAT E	No	DS LAB, OS LAB	COMPUTERS, PRINTER, ROUTERS, SWITCHES, UPS,Ubuntu/O penSUCSE/Fed ora/Red Hat,TURBO C	Labo rator y	Laboratory Block
13	ENGINEERING AND TECHNOLOGY	MECHANI CAL ENGINEER ING	MECHANICAL ENGINEERING	UNDER GRADUAT E	No	DYNAMI CS LAB	GYRASCOPE, CAMANALYZE R, GOVERNOR, BALANCING MACHINE VIBRATING TABLE.	Labo rator y	
14	ENGINEERING AND TECHNOLOGY	FIRST YEAR/OT HER	FIRST YEAR/OTHER	UNDER GRADUAT E	No	ELECTRI CAL LAB	ELECTRICAL TOOLS.ELECTR ICAL MEASURING INSTRUMENTS ,FAN,IRON BOX,EMERGE NCY LAMP	Labo rator y	Laboratory Block
15	ENGINEERING AND TECHNOLOGY	ELECTRIC AL AND ELECTRO NICS ENGINEER ING	ELECTRICAL AND ELECTRONICS ENGINEERING	UNDER GRADUAT E	No	ELECTRI CAL MACHIN E II LAB	SINGLE PHASE, THREE PHASE INDUCTION MOTOR/ SYNCHRONOU S MOTOR/ALTE R MOTOR	Labo rator y	Laboratory Block
16	ENGINEERING AND TECHNOLOGY	ELECTRIC AL AND ELECTRO NICS	ELECTRICAL AND ELECTRONICS ENGINEERING	UNDER GRADUAT E	No	ELECTRI CAL MACHIN ES LAB	DC MOTOR - GENERATOR SET, TRANSFORME	Labo rator y	Laboratory Block

		ENGINEERING					R, AUTO TRANSFORMER, RHEOSTAT, WATT METER, AMMETER, VOLT METER		
17	ENGINEERING AND TECHNOLOGY	ELECTRONICS AND COMMUNICATIONS ENGINEERING	ELECTRONICS AND COMMUNICATIONS ENGINEERING	UNDERGRADUATE	No	ELECTRONIC DEVICES AND CIRCUIT LAB	FG,CRO,LCR METER, RPS, DECADE RESISTANCE BOX INDUCTANCE BOX, CAPACITANCE BOX	Laboratory	Laboratory Block
18	ENGINEERING AND TECHNOLOGY	FIRST YEAR/OTHER	FIRST YEAR/OTHER	UNDERGRADUATE	No	ELECTRONICS LAB	RPS,SOLDERING GUN,CRO,OSCILLATOR,VOLT METER,AMMETER AND OTHER COMPONENTS	Laboratory	Library Block
19	ENGINEERING AND TECHNOLOGY	MECHANICAL ENGINEERING	MECHANICAL ENGINEERING	UNDERGRADUATE	No	ENGINE PERFORMANCE AND EMISSION	DYNAMOMETER, SINGLE CYLINDER, TWO WHEELER ENGINE TEST RIG ETC.,	Laboratory	Laboratory Block
20	ENGINEERING AND TECHNOLOGY	FIRST YEAR/OTHER	FIRST YEAR/OTHER	UNDERGRADUATE	No	ENGLISH LAB	COMPUTERS,ENGLISH LANGUAGE SOFTWARE	Laboratory	Library Block
21	ENGINEERING AND TECHNOLOGY	CIVIL ENGINEERING	CIVIL ENGINEERING	UNDERGRADUATE	No	ENVIRONMENTAL ENGINEERING LAB	jar test apparatus, chlorine comparator , Kjeldhal apparatus	Laboratory	Laboratory Block
22	ENGINEERING AND TECHNOLOGY	CIVIL ENGINEERING	CIVIL ENGINEERING	UNDERGRADUATE	No	ENVIRONMENTAL AND IRRIGATION ENGINEERING DRAWING	Drawing Board	Laboratory	Laboratory Block
23	ENGINEERING AND TECHNOLOGY	CIVIL ENGINEERING	CIVIL ENGINEERING	UNDERGRADUATE	No	ENVIRONMENTAL ENGINEERING LAB	BOD INCUBATOR, COD APPARATUS,	Laboratory	Laboratory Block
24	ENGINEERING AND TECHNOLOGY	MECHANICAL ENGINEERING	MECHANICAL ENGINEERING	UNDERGRADUATE	No	FLUID MECHANICS LAB	VENTURI METER, ORFIC METER, PUMPS, LOSSES IN PIPES, TURBINES, ROTA METER, GEAR PUMP	Laboratory	Laboratory Block

25	ENGINEERING AND TECHNOLOGY	CIVIL ENGINEERING	CIVIL ENGINEERING	UNDER GRADUATE	No	HYDRULIC LAB	BERNOULLI'S THEROM, PITOT TUBE, FLOOR MEASURMENT , VENTURY METER, ORIFICE METER, LOSSES PIPES	Laboratory	Laboratory Block
26	ENGINEERING AND TECHNOLOGY	COMPUTER SCIENCE AND ENGINEERING	COMPUTER SCIENCE AND ENGINEERING	UNDER GRADUATE	No	INTERNET PROGRAMMING LAB	JAVA, TOMOCAT, INTERNET EXPLORE.	Laboratory	Laboratory Block
27	ENGINEERING AND TECHNOLOGY	COMPUTER SCIENCE AND ENGINEERING	COMPUTER SCIENCE AND ENGINEERING	UNDER GRADUATE	No	JAVA LAB & CG LAB	JAVA, J2SE, MYSQL(OR) DATA BASE,TURBO-C	Laboratory	Laboratory Block
28	ENGINEERING AND TECHNOLOGY	MECHANICAL ENGINEERING	MECHANICAL ENGINEERING	UNDER GRADUATE	No	MANUFACTURING TECHNOLOGY I & II LAB	CENTER LATH, WELDING, MODELING, MILLING MACHINE, DRILLING MACHINE, GEAR MACHINE	Laboratory	Laboratory Block
29	ENGINEERING AND TECHNOLOGY	ELECTRICAL AND ELECTRONICS ENGINEERING	ELECTRICAL AND ELECTRONICS ENGINEERING	UNDER GRADUATE	No	MEASUREMENT & INSTRUMENTATION LAB	SCHERING BRIDGE, KELVINS BRIDGE, MAXWELL BRIDGE, DC TRAINER KIT, CRO, ENERGY METER, WATT METER	Laboratory	Laboratory Block
30	ENGINEERING AND TECHNOLOGY	MECHANICAL ENGINEERING	MECHANICAL ENGINEERING	UNDER GRADUATE	No	MECHATRONICS LAB	PID controller, pneumatic trainer kit, simulation software for basic hydraulic, pneumatic and Electr	Laboratory	Laboratory Block
31	ENGINEERING AND TECHNOLOGY	MECHANICAL ENGINEERING	MECHANICAL ENGINEERING	UNDER GRADUATE	No	METROLOGY AND MEASUREMENTS LAB	vibration/shock measuring set up, force measurement lab, torque measuring setup, displacement measur	Laboratory	Laboratory Block
32	ENGINEERING AND TECHNOLOGY	MECHANICAL ENGINEERING	MECHANICAL ENGINEERING	UNDER GRADUATE	No	METROLOGY LAB	MIRCROMETER, VERNIER, AUTO COLLIMATER, BEVELPROTOR ACTOR.	Laboratory	Laboratory Block
33	ENGINEERING	ELECTRO	ELECTRONICS	UNDER	No	MICRO	8085 KIT,8086	Labo	Laboratory

	AND TECHNOLOGY	NICS AND COMMUNICATIONS ENGINEERING	AND COMMUNICATIONS ENGINEERING	GRADUATE		PROCESSOR & MICROCONTROLLER	KIT,8255,8279 INTERFACING CARD, ADC,DAC,STEPPER MOTOR,DC MOTOR INTERFACE, TRAFFIC LIGHT	Laboratory	Block
34	ENGINEERING AND TECHNOLOGY	ELECTRONICS AND COMMUNICATIONS ENGINEERING	ELECTRONICS AND COMMUNICATIONS ENGINEERING	UNDERGRADUATE	No	MICROPROCESSOR LAB	8085,8086,8051 AND ADDON CARDS.	Laboratory	Laboratory Block
35	ENGINEERING AND TECHNOLOGY	ELECTRONICS AND COMMUNICATIONS ENGINEERING	ELECTRONICS AND COMMUNICATIONS ENGINEERING	UNDERGRADUATE	No	MICROPROCESSOR AND MICROCONTROLLER LAB	Microprocessor 8085 kit, microcontroller 8086, 8255 Interfacing kit, Stepper motor and Dc motor, Dual	Laboratory	Laboratory Block
36	ENGINEERING AND TECHNOLOGY	COMPUTER SCIENCE AND ENGINEERING	COMPUTER SCIENCE AND ENGINEERING	UNDERGRADUATE	No	NETWORK LAB	C++ COMPILES, J2SD*, LINUX, NS2/OPNET	Laboratory	Laboratory Block
37	ENGINEERING AND TECHNOLOGY	COMPUTER SCIENCE AND ENGINEERING	COMPUTER SCIENCE AND ENGINEERING	UNDERGRADUATE	No	OBJECT ORIENTED ANALYTICS DESIGN LAB	VISUAL Paradigm,VISUAL CASE,RATIONAL SUITE,ArgoUML,Eclipse IDE	Laboratory	Laboratory Block
38	ENGINEERING AND TECHNOLOGY	COMPUTER SCIENCE AND ENGINEERING	COMPUTER SCIENCE AND ENGINEERING	UNDERGRADUATE	No	OOPS & DBMS LAB	COMPUTERS, SOFTWARE, PRINTER, ROUTERS, SWITCHES, UPS,VB/VC++/ JAVA,Oracle 11g/mysql,DB2,TURBO C	Laboratory	Laboratory Block
39	ENGINEERING AND TECHNOLOGY	FIRST YEAR/OTHER	FIRST YEAR/OTHER	UNDERGRADUATE	No	PG LAB	COMPUTERS,PRINTERS,TALLY,SPSS	Laboratory	Laboratory Block
40	ENGINEERING AND TECHNOLOGY	FIRST YEAR/OTHER	FIRST YEAR/OTHER	UNDERGRADUATE	No	PHYSICS LAB	LEE DISC APPARATUS,TRAVELLING MICROSCOPE, SPECTROMETER,TELESCOPIC METER,ULTRASONIC MEASUREMENT	Laboratory	Laboratory Block
41	ENGINEERING AND TECHNOLOGY	ELECTRICAL AND ELECTRONICS ENGINEERING	ELECTRICAL AND ELECTRONICS ENGINEERING	UNDERGRADUATE	No	POWER ELECTRONICS LAB	HWE/FWR/CYCLIC CONVERTER/CLOPPER	Laboratory	Laboratory Block

42	ENGINEERING AND TECHNOLOGY	CIVIL ENGINEERING	CIVIL ENGINEERING	UNDER GRADUATE	No	SOIL MECHANICS LAB	hot air oven, triaxial compression test, consolidometer, direct shear test, CBR test, confined compr	Laboratory	Laboratory Block
43	ENGINEERING AND TECHNOLOGY	CIVIL ENGINEERING	CIVIL ENGINEERING	UNDER GRADUATE	No	SOIL MECHANICS LABORATORY	HYDROMETER, Triaxial Compression test, Core Cutter Appartus	Laboratory	Laboratory Block
44	ENGINEERING AND TECHNOLOGY	MECHANICAL ENGINEERING	MECHANICAL ENGINEERING	UNDER GRADUATE	No	STRENGTH OF MATERIALS	MUFFLE FURNACE, UNIVERSAL TESTING, SPRING TESTING, HARDNESS TESTING, MATAALLURGICAL MICROSCOPE	Laboratory	Laboratory Block
45	ENGINEERING AND TECHNOLOGY	CIVIL ENGINEERING	CIVIL ENGINEERING	UNDER GRADUATE	No	STRENGTH OF MATERIALS LAB	TORSION TESTING MACHINE, HARDNESS TESTING MACHINE, BEAM DEFLECTION TESTING, EXTENSO & COMPRASO METER	Laboratory	Laboratory Block
46	ENGINEERING AND TECHNOLOGY	CIVIL ENGINEERING	CIVIL ENGINEERING	UNDER GRADUATE	No	SURVEY CAMP, SURVEY I & II LAB	theodolite with stand, total station with stand, dummy level with stand, plane table complete with	Laboratory	Laboratory Block
47	ENGINEERING AND TECHNOLOGY	COMPUTER SCIENCE AND ENGINEERING	COMPUTER SCIENCE AND ENGINEERING	UNDER GRADUATE	No	SYSTEM SOFTWARE LAB	TURBO-C SOFTWARE.	Laboratory	Laboratory Block
48	ENGINEERING AND TECHNOLOGY	MECHANICAL ENGINEERING	MECHANICAL ENGINEERING	UNDER GRADUATE	No	THERMAL ENGINEERING LAB	IC Engine, Viscos meter, Lagged pipe appartus, fin-pin apparatus convection apparatus, vapour compress	Laboratory	Laboratory Block
49	ENGINEERING AND TECHNOLOGY	MECHANICAL ENGINEERING	MECHANICAL ENGINEERING	UNDER GRADUATE	No	THERMAL LAB II	AIR CONDITIONING, REFRIGERATO	Laboratory	Laboratory Block

							R,TEST RIG, AIR COMPRESSOR, HEAT EXCHANGER		
50	ENGINEERING AND TECHNOLOGY	MECHANICAL ENGINEERING	MECHANICAL ENGINEERING	UNDER GRADUATE	No	THERMAL LAB-I	I-C ENGINE- 2& 4 STROKE, RED WOOD VISCOSITY, FLASH & FIRE POINT STEAM BOILER.	Laboratory	Laboratory Block
51	ENGINEERING AND TECHNOLOGY	ELECTRONICS AND COMMUNICATIONS ENGINEERING	ELECTRONICS AND COMMUNICATIONS ENGINEERING	UNDER GRADUATE	No	VLSI LAB	PC WITH NEW VERSION, FPGA TRAINER KIT,XILINX ISE SOFTWARE - 50 USER LICENSE	Laboratory	Laboratory Block
52	ENGINEERING AND TECHNOLOGY	CIVIL ENGINEERING	CIVIL ENGINEERING	UNDER GRADUATE	No	WORKS HOP	SHEET CUTTER,,STEEL TAPE,SWAGE BLOCK,TRY SQUARE,AIR BLOWER,	Laboratory	Laboratory Block
53	ENGINEERING AND TECHNOLOGY	FIRST YEAR/OTHER	FIRST YEAR/OTHER	UNDER GRADUATE	No	WORKS HOP-1	LATHE,CHISEL, DIFFERENT TYPES OF FILES,HAMMER	Laboratory	Workshop- Shed

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