

DETAILED LIST OF LABORATORIES & WORKSHOP

Sr No.	Name of Department	Name of Laboratory	Major Equipment	List of Equipments added during previous year
1	APPLIED SCIENCE	Applied Chemistry Lab	2 Dig Bal 3rd dec place 150g, Conductivity mtr 2, pH Mtr2, Melting Apparatus	Hot Plate and Hot air oven
2	APPLIED SCIENCE	Applied Physics I	Newton Ring Exp., He-Ne Laser, Plank's constant, Spectrometer, Optical Fiber Exp.	Two setups for Plank's constant
3	APPLIED SCIENCE	Applied Physics II	Zener Diode, EM ratio, Charging & Discharging setup, Steffans law setup, Four Probe setup	
4	APPLIED SCIENCE	Engineering Graphics Lab	Graphics Table Set	
5	APPLIED SCIENCE	Environmental Studies Lab	BOD, COD, DO Mtr., Magnet Stirrer	
6	APPLIED SCIENCE	Workshop	Arg welding, Gas Welding, Grinding, Power Hacksaw, Vertical drilling machine, Shearing Machine, Rolling and bending machine, Lathe machine, Milling machine, Shaper machine	
7	APPLIED SCIENCE	Electrical Science Lab	CRO, Function Generator, Bread Boards, AC and DC Voltmeters, AC and DC Ammeters, DC supply, Variac, Transformer, Two way switch kit, multimeters, Wattmeters,	
8	APPLIED SCIENCE	Language Lab	37 Computers (15 10th generation 8 GB ram)	
9	APPLIED SCIENCE	Programming in C	60 Computers (15 10th generation 8 GB ram)	
10	CSE	Computational Methods Lab	20 PCs Configuration: Intel Core 2 Duo, 2.93 GHz, HDD-500 GB, RAM - 2 GB, 19" TFT Monitor. 03 New PCs Configuration: Intel I5, HDD-500 GB, RAM - 4GB, 19" TFT Core, Turbo C Plus Plus	20 PC
11	CSE	Wireless Communication Lab	20 PCs Configuration: Intel Core 2 Duo, 2.93 GHz, HDD-500 GB, RAM - 2 GB, 19" TFT Monitor. 03 New PCs Configuration: Intel I5, HDD-500 GB, RAM - 4GB, 19" TFT Core, CISCO PACKET TRACER (opensource), 1 Printer WIRESHARK (Opensource)	20 PC
12	CSE	Digital Logic and Computer Design LAB	Software- GNU simulator 8085, Windows 10/Red Hat Linux, 36 -9th Gen. PC 16 GB RAM 1 TB SDD 21 inch multimedia Monitor, Lenovo, Printer, UPS	01 Printer
13	CSE	Data Structures Lab	17 PCs: Intel Core 2 Duo, 2.90 GHz, HDD-500 GB, RAM-2 GB, 19" TFT Monitor, 16 PCs 9th Gen. PC 16 GB RAM 1 TB SDD 21 inch multimedia Monitor. 01 PC: Intel i5, 1 HP Laser Jet 1022 Printer, Software Turbo C++	01 Printer
14	CSE	Object Oriented Programming Using C++	14 Intel Core2Duo 2.93 GHz, HDD-500 GB, RAM-2GB, 19" TFT Monitor. 6 Intel I5 PCs HDD-500, 4 GB RAM, Printer HP Laser Jet 1022, TURBO C Plus Plus	01 Printer
15	CSE	Probability, Statistics and Linear Programming Lab	14 Intel C2D PCs, 2.93 GHz 2 GB RAM, 6 Intel Core i5, 2.90 GHz, 4 GB RAM, 19" TFT Monitor, 1 printer, MATLAB	
16	CSE	Database Management System Lab	14 Intel C2D PCs, 2.93 GHz 2 GB RAM, 8 Intel Core i5, 2.90 GHz, 4 GB RAM, 19" TFT Monitor, 1 Printer, Oracle 12c, Python (Jupyter) Notebook, My SQL	

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17	CSE	Programming in Java Lab	20 PCs Configuration: Intel Core 2 Duo, 2.93 GHz, HDD-500 GB, RAM – 2 GB, 19" TFT Monitor. 03 New PCs Configuration: Intel i5, HDD-500 GB, RAM – 4GB, 19" TFT Core, 1 Printer, Net Beam, C C Plus Plus on Linux (Ubuntu)	
18	CSE	Software Engineering Lab	17 PCs: Intel Core 2 Duo, 2.90 GHz, HDD-500 GB, RAM-2 GB, 19" TFT Monitor. 16 PCs 9th Gen. PC 16 GB RAM 1 TB SSD 21 inch multimedia Monitor. 01 PC: Intel i5, 1 HP Laser Jet 1022 Printer, STARUML	01 Printer
19	CSE	Algorithms Design and Analysis Lab (DAA)	14 Intel Core2Duo 2.93 GHz, HDD-500 GB, RAM-2GB, 19" TFT Monitor. 6 Intel i5 PCs HDD-500, 4 GB RAM. Printer HP Laser Jet 1022, TURBO C Plus Plus	01 Printer
20	CSE	Operating System Lab	20 PCs Configuration: Intel Core 2 Duo, 2.93 GHz, HDD-500 GB, RAM – 2 GB, 19" TFT Monitor. 03 New PCs Configuration: Intel i5, HDD-500 GB, RAM – 4GB, 19" TFT Core, Linux(GCC)and Windows	
21	CSE	Computer Networks Lab	10-Intel- Core i5, 2.90 GHz, 8 GB RAM, 1 TB HDD, 19" TFT Monitor,Printer HP Laser Jet 1020, HP Laser Jet ProP1108, NS-3	
22	CSE	Web Engineering Lab (WT)	14 Intel Core 2 Duo PCs 2.93 GHz, HDD-500 GB, RAM-2 GB, 19" TFT Monitor. 6 New Intel Core i5: 2.90 GHz, HDD-500 GB, RAM-4 GB, 19" TFT Core, 1 Printer, Eclipse, Tomcat server, Netbeans, Visual	
23	CSE	Information Security	Software- C/C++, Windows 10, 24 i7 Lenovo Systems,printer,UPS	
24	CSE	Software Testing & Quality Assurance Lab	Software- C/C++, Windows 10, 24 i7 Lenovo Systems,printer,UPS, (Turbo C Plus Plus)	
25	CSE	Data Mining and Business Intelligence Lab	Software WEKA (open source), 42 i7 Lenovo Systems,Printer,UPS	
26	CSE	W/IBD (Web intelligence and big data) Lab	Software -C/C++,Ubuntu 14.04- Hardware-42PCs Lenovo,Printer,UPS, R Studio, Ubuntu	
27	CSE	Machine Learning Lab	Software – Python, Jupyter notebook, Hardware - UPS,25PCs i7 Lenovo Systems,Printer	
28	CSE	Mobile Computing Lab	14 Intel C2D PCs, 2.93 GHz 2 GB RAM,6 Intel Core i5, 2.90 GHz, 4 GB RAM, 19" TFT Monitor, 1 Printer, WINWAP	
29	CSE	Object Oriented Software Engineering Lab	24 (i7) PC , 3.19GHz, 8GB RAM, 1TB HDD, 1 Printer, STARUML, SQL	
30	CSE	Edge AI and embedded Lab	STMMicroelectronics AI Lab - 10 Seats (Components & Software) a) STM32 ARM Cortex M4 Development Kit: 10 Nos b) STMMicroelectronics NanoEdge AI Studio Edu Pack: 10 Users for 3 Years c) Sensors Bundle (Motion & Vibration, Audio, Light, Temperature & Humidity, Ultrasonic): 10 Nos each d) Interfaces & Accessories: (LCD Unit, Micro SD Card, Connecting Wires, USB Cables) - 10 Nos each	STMMicroelectronics AI Lab - 10 Kits (Components & Software)
31	CSE	Compiler Design	24 (i7) PC , 3.19GHz, 8GB RAM, 1TB HDD, 1 Printer, STARUML	
32	CSE	Advanced Java Programming	Software – Python, NetBeans IDE, MySQL, Apache Tomcat, Hardware - UPS,25PCs i7 Lenovo Systems,Printer	
33	CSE	Network Security and Cryptography Lab	24 (i7) PC , 3.19GHz, 8GB RAM, 1TB HDD, 1 Printer, STARUML, Codeblocks	

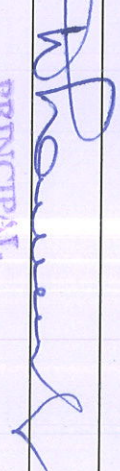

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34	CSE	Statistics and Statistical Modelling design	24 (i7) PC, 3.19GHz, 8GB RAM, 1TB HDD, 1 Printer, STARUML, Scilab.	
35	CSE	Python	Software-C++- Hardware-24 i7 Lenovo Systems, Printer, UPS, Anaconda (Spyder, Jupyter Notebook).	
36	CSE	Circuit and systems lab	Software-C++- Hardware-24 i7 Lenovo Systems, Printer, UPS, Matlab	
37	CSE	Artificial Intelligence and Machine Learning	14 Intel C2D PCs, 2.93 GHz 2 GB RAM, 6 Intel Core i5, 2.90 GHz, 4 GB RAM, 19" TFT Monitor, 1 Printer, WINWAP, Jupyter Notebook	
38	CSE	Artificial Intelligence	14 Intel C2D PCs, 2.93 GHz 2 GB RAM, 6 Intel Core i5, 2.90 GHz, 4 GB RAM, 19" TFT Monitor, 1 Printer, WINWAP, Jupyter Notebook	
39	ECE	Data Communication Networks Lab	20 Computers (i5, 6th gen, 16GB RAM); Printer HP Laser Jet P1108(1), Ubuntu(Operating System)	
40	ECE	ECE-Digital Logic & Computer Design Lab	UNIVERSAL IC TESTER, Digital IC trainer kit (10), 10 Computer (i5, 6th Gen, 4GB RAM), GNU software (open Source)	Digital Trainer Kit(01)
41	ECE	ECE-Computational Method Lab	20 Computers (i5, 6th gen, 4GB RAM); Printer HP Laser Jet P1108(1), Software: Code Blocks (Open Source),	RAM upgraded from 4GB to 16GB in all computers. Visual Studio Code(Open Source)
42	ECE	ECE-Control System Lab	DC MotorSpeedControlKit(2), PID ControllerKit(2), LinearSystemsSimulator(2), Potentiometric Error detector(2), Speed -Torque curves of AC servometer(2), 20 Computer (i5, 6th gen, 16GB RAM), Printer HP Laser Jet P1108(1)	
43	ECE	ECE-Analog Electronics Lab -I	Function Generator, DSO, Power Supply, CRO, Multi Meter, 2 channel Digital Oscilloscope, Dual Channel Arbitrary Function Generator, 3 channel 217W Linear DC Power Supply, AFG 1022 Arbitrary Function Generator(4), 22311A-30-3 Manual Triple Channel DC Power Supply(4), Rishabh 410 Multimeter(5), TBS 1052 Digital Storage Oscilloscope(4)	PSD3304 Triple Power Supply(05), Components added(Resistors, Diode, Bread Board)
44	ECE	ECE-Analog Electronics Lab -II	Function Generator, DSO, Power Supply, CRO, Multi Meter, 2 channel Digital Oscilloscope, Dual Channel Arbitrary Function Generator, 3 channel 217W Linear DC Power Supply, AFG 1022 Arbitrary Function Generator(4), 22311A-30-3 Manual Triple Channel DC Power Supply(4), Rishabh 410 Multimeter(5), TBS 1052 Digital Storage Oscilloscope(4)	DSO(02), Function Generator(02)
45	ECE	ECE-Digital Communication Lab	MATLAB 2022b (Licensed), 15 Computer (i5, 6th gen, 16GB RAM) Sciencetech kit for each experiment, Model 2110, model 2151, model ST 2152, model 2153, model 2154, model 2155, model 2156, model 2157, model 2113, Model 2136(5), Model 2151 (2), Model 2153 (2), Model 2154(2), Model 2156(2), Model 2157(2), Model 2155 (2), Model 2113 (2), Printer HP Laser Jet 1018(1)	
46	ECE	ECE-Analog Communication Lab	MATLAB 2022b (Licensed), 15 Computer (i5, 6th gen, 4GB RAM), Sciencetech kit for each experiment, kit Model 2201(5), Model 2202(5), Model 2203(3), Model 2110(3), DSO(5), Printer HP Laser Jet 1018(1)	RAM upgraded from 4GB to 16GB in all computers. 2203(02) Frequency Modulation Kit, Function Generator(05)
47	ECE	ECE-Digital Signal Processing Lab	MATLAB 2022b (Licensed), 15 Computer (i5, 6th gen, 4GB RAM), Printer HP LaserJet1018(1)	RAM upgraded from 4GB to 16GB in all computers.
48	ECE	ECE- Opto electronics & Optical Communication Lab	Optical fibre analog digital trainer kit ST2502(5), Software: Optisim(Licensed-5 user), 13 Computer (i5, 6th gen, 4GB RAM), HP Laser Jet Printer P1108(1)	
49	ECE	ECE-Microprocessor & Microcontroller Lab	Microprocesortraining cum development kit (ET-8085LCD)(10 kits), Stepper motor controller interfacing module(4), Microprocessor training kit (ET-8086 LCD)(No of kits-10), 10 Computers (i5, 6th gen, 4GB RAM), 8253 Study Card (04), Software: Keil(Open Source) HP Laser Jet Printer 1022(1)	
50	ECE	ECE- Micro Electronics Lab	FPGA kits(8), Software: MENTOR GRAPHICS (HEP1, HEP2)(Licensed-60user), Xilinx ISE (open Source) 26 Computer(i5, 10 Gen, 8 GB RAM(9), (i5,6th Gen, 1.6GB RAM(16), (i5,6th Gen, 4GB RAM(1)), Printer HP Laser Jet M1005MFP	

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51	ECE	ECE-VLSI Design Lab	<p>FPGA kits(8), Software: MENTOR GRAPHICS (HEP1, HEP2)(Licensed-60user), Xilinx ISE (open Source) 17 Computer(i5, 10 Gen, 8 GB RAM(9)), (i5,6th Gen, 16GB RAM(16), (i5,6th Gen, 4GB RAM(1)), Printer HPLaser Jet M1005MFP</p>	14 Systems Added: (i5,6th Gen, 16GB RAM(4), (i5, 10 Gen, 8 GB RAM(10))
52	ECE	ECE-Signal & System Lab	<p>MATLAB 2022b(Licensed), 20 Computer (i5, 6th gen, 16GB RAM), Printer HP LaserJet1018(1)</p>	
53	ECE	ECE-DBMS Lab	<p>Software: MySQL (open Source) 26 Computer(i7, 10 Gen, 8 GB RAM(9)), (i5,6th Gen, 16GB RAM(16), (i5,6th Gen, 4GB RAM(1)), Printer HPLaser Jet M1005MFP</p>	
54	ECE	ECE-Satellite & Antenna Lab	<p>ST 2272A SATELLITE COMM. TRAINER KIT, Scitech 2261 Antenna Base Unite S.No. C3201908(1)</p>	
55	ECE	ECE-Embedded Systems Lab	<p>UNIVERSAL EMBEDDED TRAINER BOARD ON89C51RD2(08) 10 Computer (i5, 6th gen, 4GB RAM), Software: Keil(Open Source), HP Laser Jet 1022(1)</p>	
56	ECE	ECE-Mobile Computing	<p>Software:QUALINET 5.1(Licensed-5user), 13 Computer (i5, 6th gen, 4GB RAM), HP Laser Jet Printer P1108(1)</p>	
57	ECE	ECE- Project Lab	<p>ZYBO BOARD(1) ZYBO_2 Zed Board(410-248) &(410-479)), GPU System Dell Precision 5820 Workstation(Intel xeon W-2245/32GB RAM/2TB HDD+256GB SSD/12GB RTX GPU with 3584 cuda cores/21.5" monitor/DVD writer/Keyboard & Mouse/3 year Warranty), AFG 1022 Arbitrary Function Generator(1), 22311A-30-3 Manual Triple Channel DC Power Supply(1), Rishabh 410 Multimeter(1), TBS 1052 Digital Storage Oscilloscope(1), SENSUNITS KIT,17 Computer (i5, 10 Gen, 8GB RAM), HP Laser Jet Pro Printer P1108(1), Viewsonic Projector (1), Software: Python 3(open source), Matlab 2022(Licensed), GNU 8085 (open source), Keil (open source), LT Spice(open source), Virtual Lab (open source), Google Colab(open source)</p>	
58	ECE	ECE-Probability, Statistics and Linear programming lab	<p>20 Computers Intel (i5, 6th gen, 16GB RAM) : Printer HP Laser Jet P1108(1), Software : MATLAB 2022b</p>	
59	ECE	Network Analysis & Synthesis lab (Circuits & System Lab)	<p>Experimental kits to calculate two port network parameter-Z,Y,H & Transmission parameter, interconnection of two 2-port network(06), MATLAB installed in computers, Matlab Software 2022b, RAM upgraded from 4GB to 16GB in all computers(20 RAM - 8GB * 2)</p>	
60	ECE	Transmission Waveguide & Antenna Lab	<p>17 Computers Intel (i5, 1.60GHz 2.10GHz 8GB RAM CST Studio Suite 2023 Software(01 for 25 users)</p>	
61	ECE	ECE-VHDL Lab	<p>FPGA kits(8), Software: MENTOR GRAPHICS (HEP1, HEP2)(Licensed-60user), Xilinx ISE (open Source) 17 Computer(i5, 10 Gen, 8 GB RAM(9)), (i5,6th Gen, 16GB RAM(16), (i5,6th Gen, 4GB RAM(1)), Printer HPLaser Jet M1005MFP</p>	14 Systems Added: (i5,6th Gen, 16GB RAM(4), (i5, 10 Gen, 8 GB RAM(10))
62	ECE	AI Lab	<p>17 Computers Intel (i5, 1.60GHz 2.10GHz 8GB RAM, Software: Python Jupiter (Open Source)</p>	14 Systems Added: (i5,6th Gen, 16GB RAM(4), (i5, 10 Gen, 8 GB RAM(10))
63	ECE	STALab	<p>15 Computers Intel (i5, 6th gen, 16GB RAM) : Printer HP Laser Jet P1108(1), Software : MATLAB 2022b</p>	
64	ECE	C++ Lab	<p>Software Used: Code blocks (Open Source)26 Computer(i7, 10 Gen, 8 GB RAM(9)), (i5,6th Gen, 16GB RAM(16), (i5,6th Gen, 4GB RAM(1)), Printer HPLaser Jet M1005MFP</p>	
65	ECE	WSN Lab	<p>Software Used: Ubuntu / NS-3 (Open Source)26 Computer(i7, 10 Gen, 8 GB RAM(9)), (i5,6th Gen, 16GB RAM(16), (i5,6th Gen, 4GB RAM(1)), Printer HPLaser Jet M1005MFP</p>	
66	ECE	OCSN Lab	<p>Optical fibre analog digital trainer kit ST7502(5), Software : Optisim(Licensed-5 user), 13 Computer (i5, 6th gen, 4GB RAM), HP Laser Jet Printer P1108(1)</p>	Fibre Optic Kit(03), Function Generator(07), Optical Power Meter(02), Time Division Kit(02), DSO(02)
67	ECE	ITC Lab	<p>15 Computers Intel (i5, 6th gen, 16GB RAM) : Printer HP Laser Jet P1108(1), Software : MATLAB 2022b</p>	

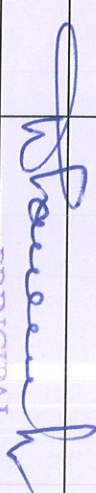

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68	ECE	DSA Lab	20 Computers Intel (i5, 6th gen, 16GB RAM) : Printer HP Laser Jet P1108(1), Software : MATLAB 2022b	
69	EEE	Electronics-I Lab	Diodes, Transistors, thyristors Ics etc Power supply, Function Generator, DSO	
70	EEE	Electrical Engineering Workshop Lab	Electrical Hand Tools; DSO, Bread Board Illumination Panel Kits	Electrical Basic Tools, Conduit, wiring Set up, Drill Machine
71	EEE	Computational Methods Lab	14 Computer, TFT Monitor, 1 -5 processor, HDD - 500GB, RAM -4 GB, MATLAB 2022R, ETAP Software, 1 Printer	
72	EEE	Electrical Machines-1	3-phase & 1-phase Induction Motor, Synchronous Motor, Alternator, Direct online starter, DC Shunt Motor, Transformer, 3-Point starter, Mechanical Load Set up, DC generator, 20Computer(TFT Monitor, 15 processor, 2.7GHz, SYNCROSCOPE, 8GB/4GB RAM, MATLAB	
73	EEE	Power System Lab I	Panel for calculation of ABCD Parameters for a Transmission Line, Ferranti Effect For Transmission Line, Apparatus for calculation of Resistance of Earth Using Earth Electrodes and Megger, Panel For calculating Dielectric Strength of The Transformer Oil	
74	EEE	Network Analysis & Synthesis lab (Circuits & Electronics-II Lab	Experimental kits to calculate two port network parameter-Z, Y, H & Transmission parameter, interconnection of two 2-port network, MATLAB installed 1 computer	5 digital trainer kits two power supply and 2 DSOs
75	EEE	Electronics-II Lab	Diodes, Transistors, thyristors Ics etc Power supply, Function Generator, DSO	
76	EEE	Probability & Linear Programming Lab	14 Computer, TFT Monitor, 1 -5 processor, HDD - 500GB, RAM -4 GB, MATLAB 2022R, 1 Printer	
77	EEE	Electrical Machines-II	3-phase & 1-phase Induction Motor, Synchronous Motor, Alternator, Direct online starter, DC Shunt Motor, Transformer, 3-Point starter, Mechanical Load Set up, DC generator, 20Computer(TFT Monitor, 15 processor, 2.7GHz, SYNCROSCOPE, 8GB/4GB RAM, MATLAB	
78	EEE	Power Electronics Lab	SCR & TRAIAC, MOSFET, IJT, Single phase HWR, Single phase fully controlled, AC phase control, Cycloconverter, Buck and Boost converter, TYPE-C Chopper and SPWM Inverter Kit	
79	EEE	Sensors and Transducers Lab	Three Phase Power measurement kit by two wattmeter kit, 3 Phase autotransformer, testing of single phase and three phase electromechanical energy meter, measurement of power line parameters using series RLC load, Calibration of ammeter and voltmeter using potentiometer kit, function generator	
80	EEE	Switching Theory & Logic Design Lab	Logic Gates ICS, Flip Flops Ics, MUX and D-MUX ICS, Digital Trainer Kits	
81	EEE	Utilisation of Electrical Energy Lab	1 Phase Energy meter kits, polar curve & inverse low kits, Iron losses kits, power factor meter kits, Transformer turns Ratio kits, Phantom Loading kits and Silsbee kits	
82	EEE	Power System Lab II	Instantaneous Overcurrent Relay, IDMT Relay, Differential Relay, Single Line to Ground Fault.	
83	EEE	EEE-Microprocessor and Microcontroller	Microprocessor Kit 8086 (Advanced Version) - 16, Interfacing Modules (8255, 8253, Stepper Module) 3 computers (1-5 processor, 4 GB RAM, 500GB Hard Disk)	
84	EEE	Digital Signal Processing Lab	14 Computer, TFT Monitor, 1 -5 processor, HDD - 500GB, RAM -4 GB, MATLAB 2022R, 1 Printer	
85	EEE	EEE-Electric Drives Lab	AC Drives, Single and three-phase Microcontroller, DC series Motor, DC shunt Motor, 3 phase & 1 Phase Induction Motor, Experimental set up for study the closed loop control of BLDC Motor. MATLAB	
86	EEE	Advanced Control System Lab	14 Computer, TFT Monitor, 1 -5 processor, HDD - 500GB, RAM -4 GB, MATLAB 2022R, 1 Printer	

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87	EEE	Database Management System Lab	14 Computer, TFT Monitor, 1 -5 processor, HDD - 500GB, RAM -4 GB,MATLAB 2022R, 1 Printer	
88	EEE	Neuro Fuzzy System Lab	14 Computer, TFT Monitor, 1 -5 processor, HDD - 500GB, RAM -4 GB,MATLAB 2022R, 1 Printer	
89	EEE	Application of Power Electronics in Power Systems Lab	14 Computer, TFT Monitor, 1 -5 processor, HDD - 500GB, RAM -4 GB,MATLAB 2022R, 1 Printer	
90	EEE	EEE- Research Lab	100 W Solar Panel, Boost Converter, Resistive Load	100 W Solar Panel, Boost Converter, Resistive Load
91	ICE	Modern Control System Lab	Computer Desktop PC-11,Printer 1, MATLAB Software, 10 User License	
92	ICE	Digital Control System Lab	Computer Desktop PC-11,Printer 1, MATLAB Software, 10 User License	
93	ICE	Intelligent System Control Lab	Computer Desktop PC-11,Printer 1, MATLAB Software, 10 User License	
94	ICE	Bio-Medical Instrumentation Lab	Paenmaker Trainer kit,RespirationRateMonitor Trainer,EMGTrainer,ECCGmachine,PulseOximeter,BloodPressure Instrument,Biofeedback machine,Spirometer, 12 Channel ECG machine	
95	ICE	Control Systems	DC Motors,SpeedControlKit, DCPositionControlKit,ACPosition Control Kit, Synchro-transmitter/receiverKit,PID ControllerKit,LinearSystemsSimulator, Lead Lag Compensator, Computer Desktop PC-11,Printer 1, MATLAB Software, 10 User License	SCL-105 Trainer Kit,SCL-102 Trainer Kit,SCL-110A Trainer kit
96	ICE	Sensors and Transducers Lab	RTD, Thermocouple, StrainGauge, UltrasonicDistance, PressureMeasurement, Optical, LoadCell, SpeedMeasurement, R, Magnetic pickup, Thermistor, 30MHz CRO, OP-Instrumentation amplifier kit, Desktop PC 2	
97	ICE	Electrical & Electronics Measurements Lab	KelvinBridge, HayBridge, MaxwellBridge, AndronsonBridge, OwenBridge, ScheringBridge, CT, PT, TrainerkitoL VDT, LCR Meter, Digital Frequency Meter, Three Phase Power measurement kit by two water meter kit, 3 Phase autotransformer, testing of single phase and three phase electromechanical energy meter, measurement of power line parameters using series RLC load, Calibration of ammeter and voltmeter using potentiometer kit, function generator, 2 Computer Desktop	
98	ICE	Digital Signal Processing Lab	Computer Desktop PC-11,Printer, MATLAB Software, 10 User License	
99	ICE	Digital Control System Lab	Computer Desktop PC-11,Printer, MATLAB Software, 10 User License	
100	ICE	Digital System Design Lab	Computer Desktop PC-11,Printer, EDA Playground software	
101	ICE	Internet of Things LAB		
102	ICE	Microprocessors & Microcontrollers Lab	89C51RD2 development board- 10nos, Desktop PC- 9, EMU8086 - MICROPROCESSOR EMULATOR	8086LCD Microprocessor Training Kit Basics-3,8086 Advanced Microprocessor kit -2
103	ICE	Pneumatics & Hydraulics Lab	PneumaticElectroPneumatic,Hydraulics,ElectroHydraulicsPackage, SoftwaresimulatorPLCforElectroPneumatic Trainer,AirCompressor, SiemensPLC, EasyPortH/WS/Winterface, DesktopPC9, Festo Fullsdm Software	
104	ICE	Robotics Lab	ModularProductionSystemFestoSiemensPLCProgramming, Robot crane, X-Y Plotter 2 Elevator system for smart communication,Balloon Bursting Robot,Line Follower, Encoder kit,Desktop PC9	


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105	ICE	Process Control Lab	Cascade control kit, Control valve characteristic kit, Ratio control Kit, PID kit, Adam view Kit, NEPI software, D71Compressor, Desktop PC -9	
106	ICE	Industrial Instrumentation Lab	PH measurement, conductivity measurement, Flow measurement, Temperature measurement, strain measurement, pressure measurement, speed measurement kit	Digital PH meter
107	ICE	Digital Electronics LAB		ALUTrainer(1),Flip-Flop Trainer(2),Digital Trainer(3),DAC Trainer(1),ADC Trainer(1)
108	ICE	Virtual Instrumentation Lab	NI data acquisition cards (NI-9472, 9477, 9425, 9219, 9265), PC-9nos,	
109	IT	Digital Logic Computer Design Lab	22 (Processor: - Intel(R) Xeon (R) E-2224G CPU 3.50 GHz RAM16 GB, Window 10,(License),Logisim, GNU. Simulator, HP laserjet 1108 Printer, 6 - Digital Trainer Kit	6 - Digital Trainer Kit, HP laserjet 1108 Printer
110	IT	Computational Methods Lab	24 PC (Processor: - Intel(R) Xeon (R) E-2224G CPU 3.50 GHz RAM - 16GB Operating system: - Window 10),MATLAB(2022B)	Matlab Software (2022B) (UPGRADED)
111	IT	Data Structure Lab	25 PC(Processor: - 15 Generation: - 12th gen RAM - 16 GB Operating system: - Window 10), Code Blocks, 1 HP Laser 1000A Printer	
112	IT	Object Oriented Programming Lab	30PC (Processor: - 13th Gen Intel® Core™ i9 -13900 2.00 GHz Xeon (R) E-2224G CPU 3.50 GHz RAM - 32GB Operating system: - Window 11), 4 PC((Processor: - Intel(R) Xeon (R) E-2224G CPU 3.50 GHz RAM - 16GB Operating system: - Window 10) Code Blocks 1 HP Laser 1000A Printer, Ubuntu 15 - Open Source	30 (Processor: - 13th Gen Intel® Core™ i9 -13900 2.00 GHz Xeon (R) E-2224G CPU 3.50 GHz RAM - 32GB)
113	IT	Database Management system lab	24 PC(Processor: - 15 Generation: - 6th gen RAM - 8 GB Operating system: - Window 10),SOFTWARE-MYSQL	
114	IT	Probability Statistics and Linear Programming Lab	16 PC (Processor: - Intel(R) Xeon (R) E-2224G CPU 3.50 GHz RAM - 16GB Operating system: - Window 10) Visual Studio 2012 - Open Source, 1 HP Laser Printer	
115	IT	Circuit and systems lab	22 (Processor: - Intel(R) Xeon (R) E-2224G CPU 3.50 GHz RAM16 GB, Window 10,(License),Logisim, GNU. Simulator, HP laserjet 1108 Printer, 6 Two Port T & PIE Network Trainer kit	6 Two Port T & PIE Network Trainer kit
116	IT	Programming in java lab	25 PC(Processor: - 15 Generation: - 12th gen RAM - 16 GB Operating system: - Window 10), 1 HP Laser 1000A Printer, JDK -open source, Anaconda and Jupyter Notebook -open source, Eclipse 4.23 -open Source	
117	IT	Algorithm Design and Analysis lab	30PC (Processor: - 13th Gen Intel® Core™ i9 -13900 2.00 GHz Xeon (R) E-2224G CPU 3.50 GHz RAM - 32GB Operating system: - Window 11), 4 PC((Processor: - Intel(R) Xeon (R) E-2224G CPU 3.50 GHz RAM - 16GB Operating system: - Window 10) Code Blocks 1 HP Laser 1000A Printer, Ubuntu 15 - Open Source	
118	IT	Software Engineering Lab	24 PC (Processor: - Intel(R) Xeon (R) E-2224G CPU 3.50 GHz RAM - 16GB Operating system: - Window 10), Code Blocks, Star UML	PRINCIPAL Bhuvan Vihar Singh's
119	IT	Operating system/linux programming And administration) Lab	30PC (Processor: - 13th Gen Intel® Core™ i9 -13900 2.00 GHz Xeon (R) E-2224G CPU 3.50 GHz RAM - 32GB Operating system: - Window 11), 4 PC((Processor: - Intel(R) Xeon (R) E-2224G CPU 3.50 GHz RAM - 16GB Operating system: - Window 10) Code Blocks 1 HP Laser 1000A Printer, Ubuntu 15 - Open Source	College of Technology Vivek Paschim Vihar, New Delhi-63
120	IT	Web Tech. Lab	25 PC(Processor: - 15 Generation: - 12th gen RAM - 16 GB Operating system: - Window 10), Apache Tomcat, Xamp Server, VSCode 1 HP Laser 1000A Printer	
121	IT	Compiler Design	16 PC (Processor: - Intel(R) Xeon (R) E-2224G CPU 3.50 GHz RAM - 16GB Operating system: - Window 10) Visual Studio 2012 - Open Source, 1 HP Laser Printer	

122	IT	Dot Net and C# Programming Lab	16 PC (Processor: - Intel(R) Xeon (R) E-2224G CPU 3.50 GHz RAM - 16GB Operating system: - Window 10) Visual Studio 2012 - Open Source, 1 HP Laser Printer	
123	IT	System and Network Administration Lab	16 PC (Processor: - Intel(R) Xeon (R) E-2224G CPU 3.50 GHz RAM - 16 GB Operating system: - Window 10) Ubuntu 15 - NS2, NS3 Open Source	
124	IT	Network Security & Cryptography Lab (NSC)	14 PC, 2 GPU Dell Server Xeon 2125 CPU 4.00GHz, 32 GB RAM, 2TB HDD, 1 cloud server (Processor: - 15 Generation: - 6th gen ., Operating system: - Window 10), MySQL 8.0 - Open Source, .MATLAB(R2022 b) - Licensed, Python 3.11.0 .	
125	IT	Advanced Computer Network Lab	15+7 PC(Processor: - 15 Generation: - 6th gen RAM - 8 GB Operating system: - Window 10), Cisco Packet Tracer, NS-2, NS-3, 1 HP laserjet 1108 Printer	
126	IT	Computer Network Lab	25 PC(Processor: - 15 Generation: - 12th gen RAM - 16 GB Operating system: - Window 10), Code Blocks, 1 HP Laser 1000A Printer	
127	IT	Wireless Communication Lab	24 PC (Processor: - Intel(R) Xeon (R) E-2224G CPU 3.50 GHz RAM - 16GB Operating system: - Window 10) Visual Studio 2012 - Open Source, 1 HP Laser Printer, Wireshark -open source, Cisco Packet Tracer	
128	IT	Mobile Computing Lab	24 PC (Processor: - Intel(R) Xeon (R) E-2224G CPU 3.50 GHz RAM16 GB , Window 10,(License), WinWap, GPS Development-1 Kit, BluetoothTrainer-1Kit, CDMA-2Kit, SpectrumAnalyser-1, GSMTrainerKit-2, MobileTrainer-1Kit, 1 HP Laserjet 1020 Printer	
129	IT	AIML	30PC (Processor: - 13th Gen Intel® Core™ i9 -13900 2.00 GHz Xeon (R) E-2224G CPU 3.50 GHz RAM - 32GB Operating system: - Window 11), 4 PC((Processor: - Intel(R) Xeon (R) E-2224G CPU 3.50 GHz RAM - 16GB Operating system: - Window 10) Code Blocks 1 HP Laser 1000A Printer, Ubuntu 15 - Open Source	
130	IT	Python Prog	30PC (Processor: - 13th Gen Intel® Core™ i9 -13900 2.00 GHz Xeon (R) E-2224G CPU 3.50 GHz RAM - 32GB Operating system: - Window 11), 4 PC((Processor: - Intel(R) Xeon (R) E-2224G CPU 3.50 GHz RAM - 16GB Operating system: - Window 10) Code Blocks 1 HP Laser 1000A Printer, Ubuntu 15 - Open Source	
131	IT	Artificial Intelligence	30PC (Processor: - 13th Gen Intel® Core™ i9 -13900 2.00 GHz Xeon (R) E-2224G CPU 3.50 GHz RAM - 32GB Operating system: - Window 11), 4 PC((Processor: - Intel(R) Xeon (R) E-2224G CPU 3.50 GHz RAM - 16GB Operating system: - Window 10) Code Blocks 1 HP Laser 1000A Printer, Ubuntu 15 - Open Source	
132	IT	Adoc and Sensor Networks Lab	24 PC (Processor: - Intel(R) Xeon (R) E-2224G CPU 3.50 GHz RAM16 GB , Window 10,(License), NS-2, NS-3, 1 HP Laser 1000A Printer, Ubuntu 15 - Open Source, Code Block open source	
133	IT	Soft commputing Lab	22 (Processor: - Intel(R) Xeon (R) E-2224G CPU 3.50 GHz RAM16 GB , Window 10,(License), CODE BLOCK, Simulator, HP laserjet 1108 Printer	
134	IT	E-Commerce & M-Commerce Lab	16 PC (Processor: - Intel(R) Xeon (R) E-2224G CPU 3.50 GHz RAM - 16GB Operating system: - Window 10) Visual Studio 2012 - Open Source, 1 HP Laser Printer	
135	IT	Project and Research Lab	14 PC, 2 GPU Dell Server Xeon 2125 CPU 4.00GHz, 32 GB RAM, 2TB HDD, 1 cloud server (Processor: - 15 Generation: - 6th gen ., Operating system: - Window 10), MySQL 8.0 - Open Source, .MATLAB(R2022 b) - Licensed, Python 3.11.0 - Open Source, R version 4.2.2 - Open Source, MY SQL, LINUX, MATLAB, Ubuntu 15 - Open Source, View Sony Model PS501W PROJECTOR	

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View Sony Model PS501W PROJECTOR

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Project & Research Lab



DLCD/ Circuit & System Lab



Compiler Design Lab/ECMC Lab



OOPS/ AI Lab



Laboratory Images (If)

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Mobile Computing/ Software Engineering Lab

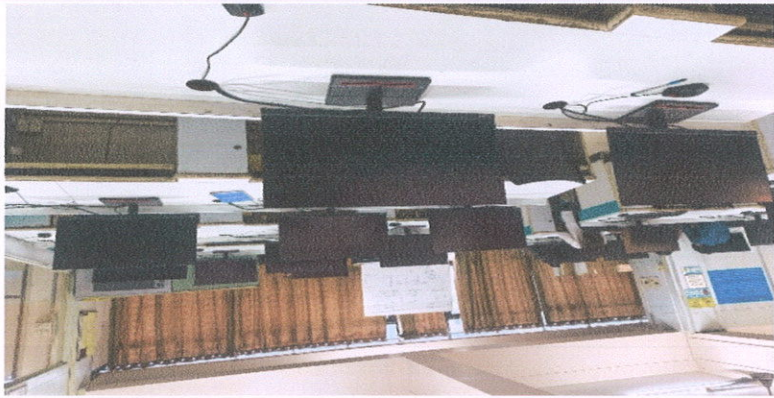


Computer Network/ Java Lab



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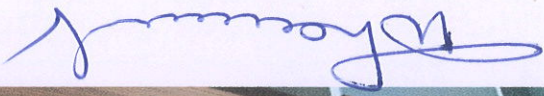
Academic Year: 2023-24		S. No.	Venue	Lab Name	
Even	Odd				
		1	A-202	ME Lab, DBMS Lab, C++, WSN Lab	
		2	A-203	DLCD Lab, OPDC Lab, MC Lab, OCSN Lab	
		3	A-204	AE-I Lab, ES Lab, NAS Lab, AE - II Lab	

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 (An ISO 9001:2015 Certified Institution)
 A-4, Paschim Vihar, Main Rohark Road, New Delhi - 110 063

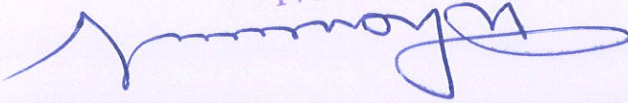


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Academic Year: 2023-24		S. No.	Venue	Lab Name	
Odd	Even				
		4	A-206	DSP Lab, AC Lab, SC Lab, STA Lab, ITC Lab	
		5	A-207 A	SNS Lab, CS Lab, PSLP Lab, DSA Lab	
		6	A-207 B	CM Lab, DCN Lab, DC Lab, MPMC Lab	

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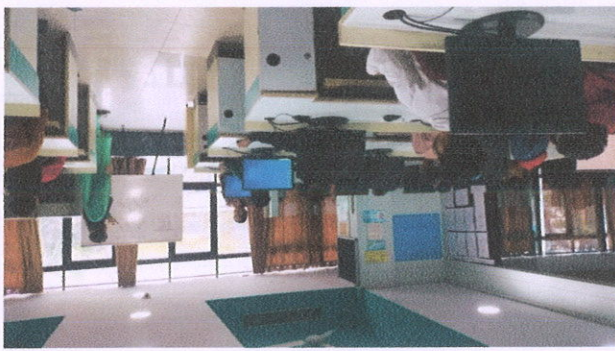

Academic Year: 2023-24		S. No.	Venue	Lab Name	
Even	Odd				
		7	A-405	TWA Lab	VHDL Lab, AI Lab, VLSI Lab

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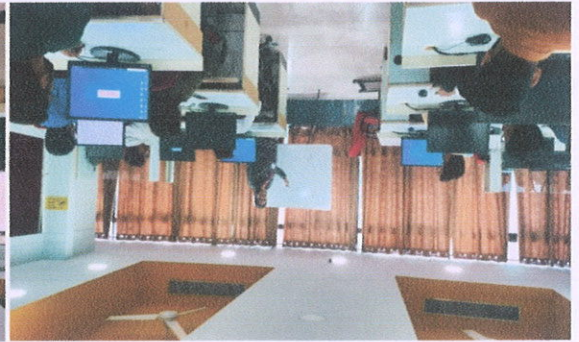
Praveen



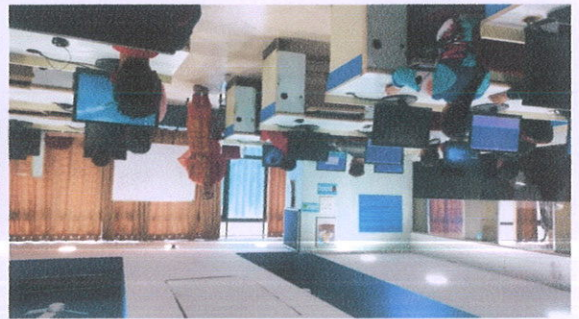
SE/ CN Lab



IS Lab/WTLab



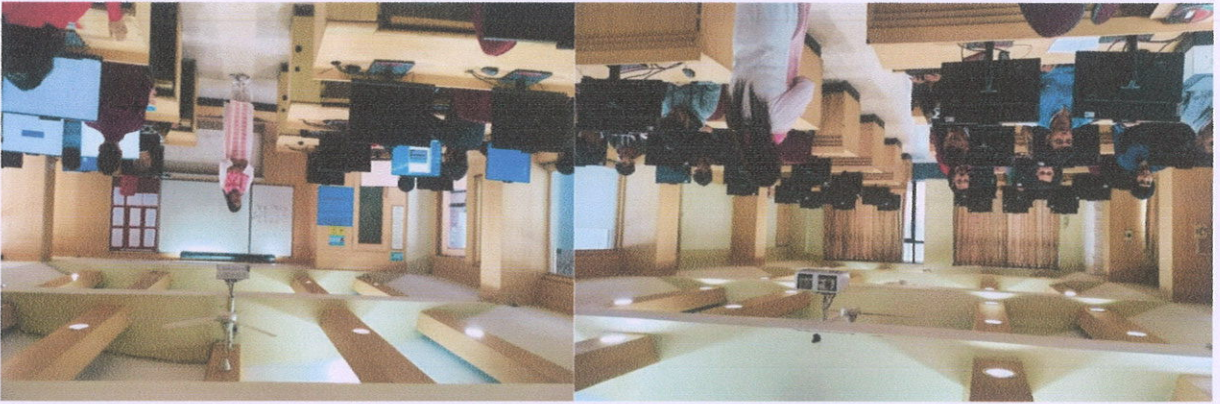
ML Lab/ DAA Lab



CSE LABORATORIES

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Mobile Computing/ DLCD Lab



OS LAB / Java Lab



EEF LABORATORIES

Lab Room No: A307

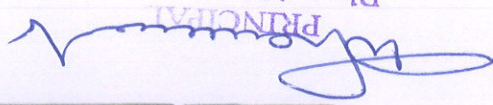
Lab Subjects: Electrical Engineering Workshop(EEW) LAB, Power System- I LAB, Power System- II LAB, UEEE LAB



Lab Room No: A308

Lab Subjects: Computational Methods LAB, Introduction to DBMS LAB, Introduction to Software Engineering (ISE) LAB, Machine Learning (ML) LAB, Flexible AC Transmission System(FACTS) LAB, Artificial Intelligence LAB, C++ Lab, Data Structure LAB, DCN LAB



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Lab Room No: A-304
Lab Subjects: Power Electronics LAB, Electronics-I, Electronics-II LAB, Circuit and System Lab, MPMC LAB

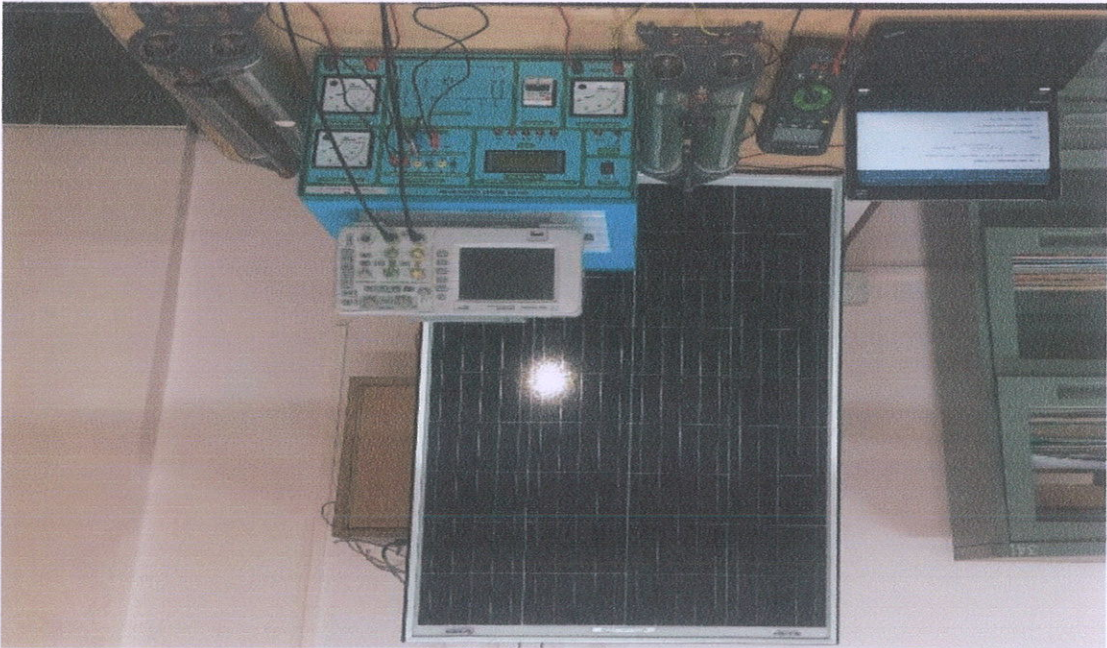


Lab Room No- B-004
Subjects- Electrical Machines-I Lab Electrical Machines-II Lab, Electrical Machine Lab Lab, Electric Drives Lab, e-Mobility Lab



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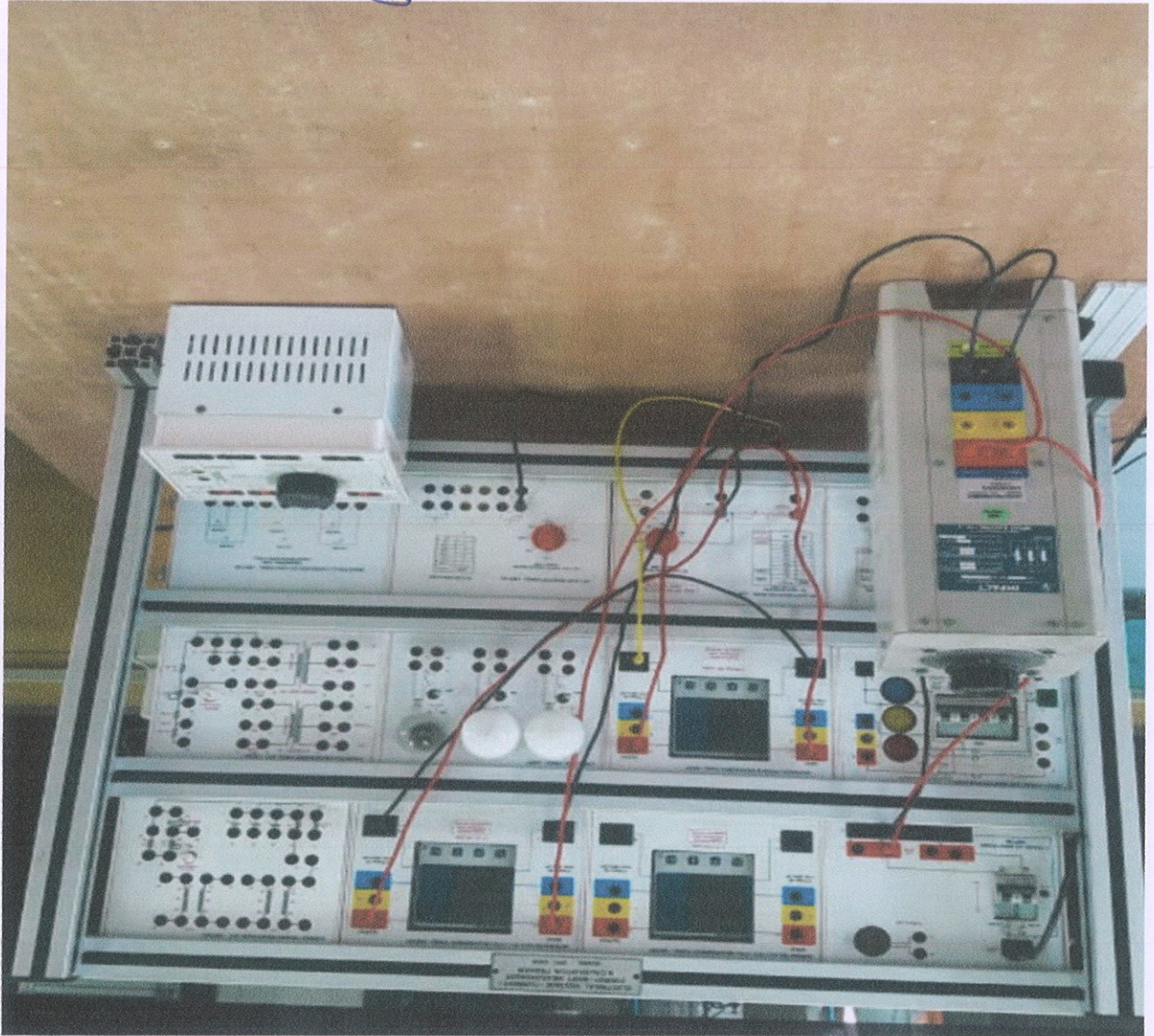
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Lab Room No-A-306 (Research Lab)

M&I Lab (Even Sem)

Lab Equipped with Power factor meters , Energy meters, Voltmeters , Ammeters , AC bridges, Calibration kit, DSO, Function generators, Multimeters, CROs.



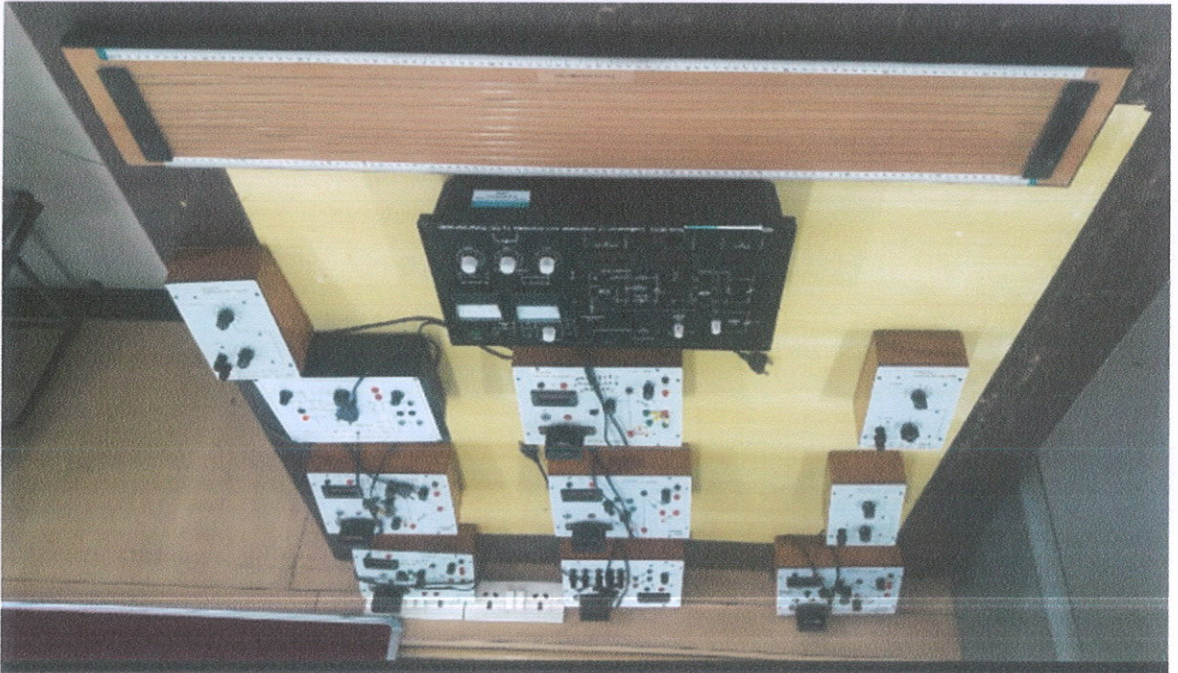
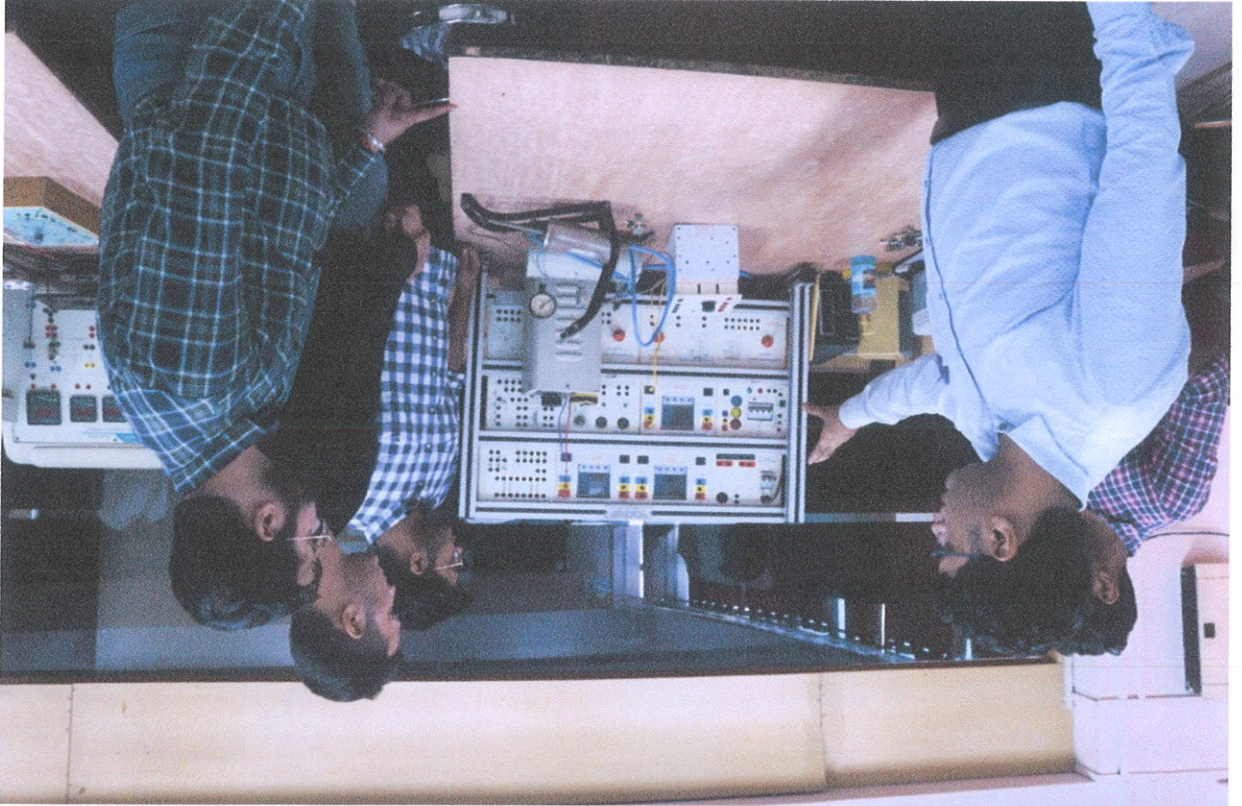
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ICE

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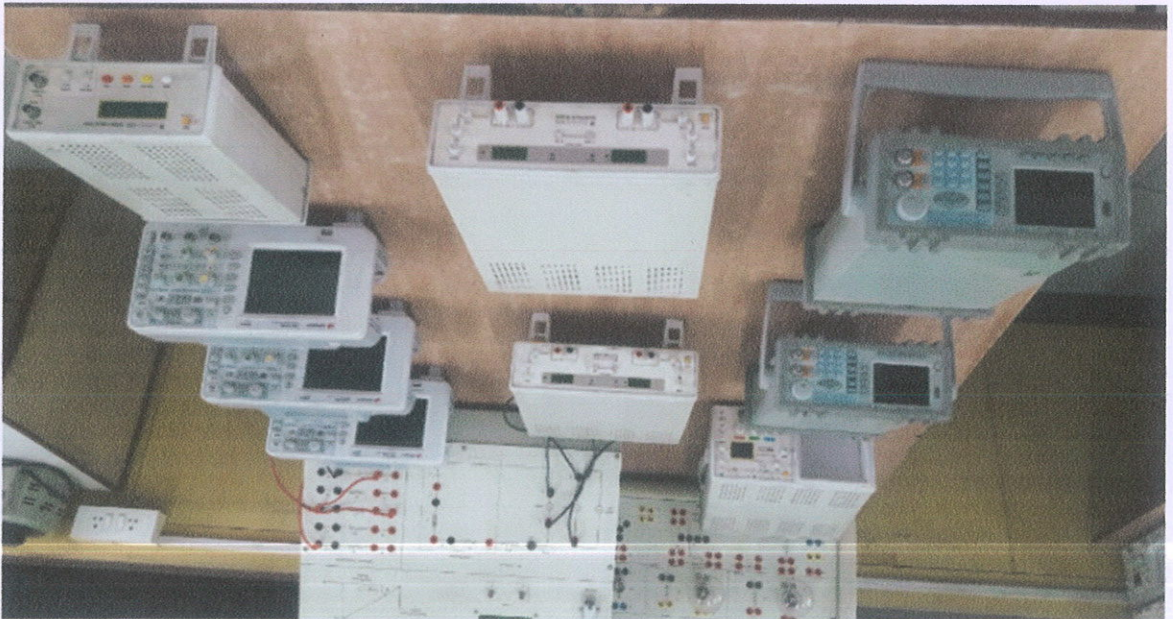
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Lab Equipped with various sensors: Pressure, temperature, Magnetic, IR, Strain gauge Measurement.

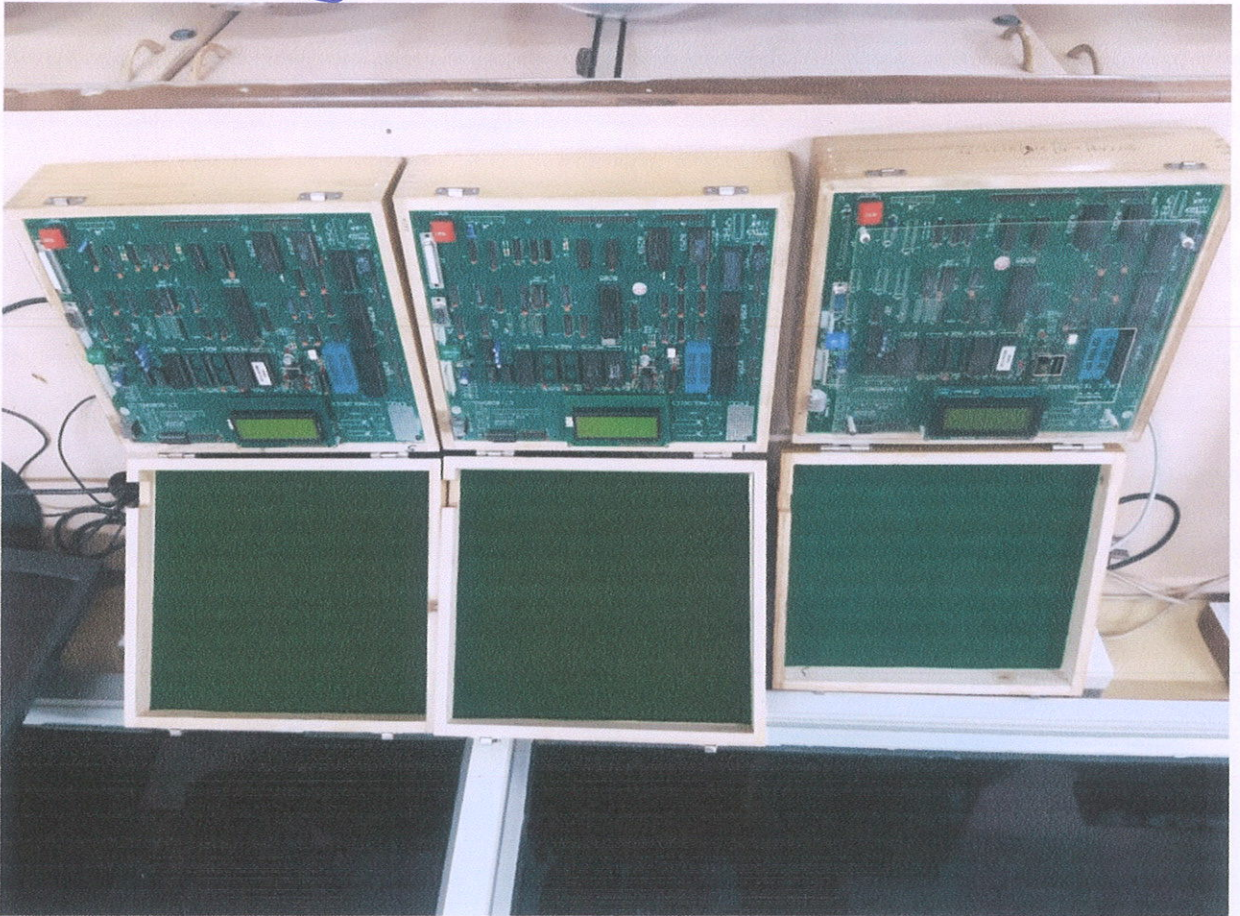
Sensor & Transducers Lab (Even Sem)





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MPMC Lab (odd Sem)
Lab equipped with microprocessor 8085,8086 and microcontroller 8051 with various interfacing
units like 8255,8237,8257 etc.



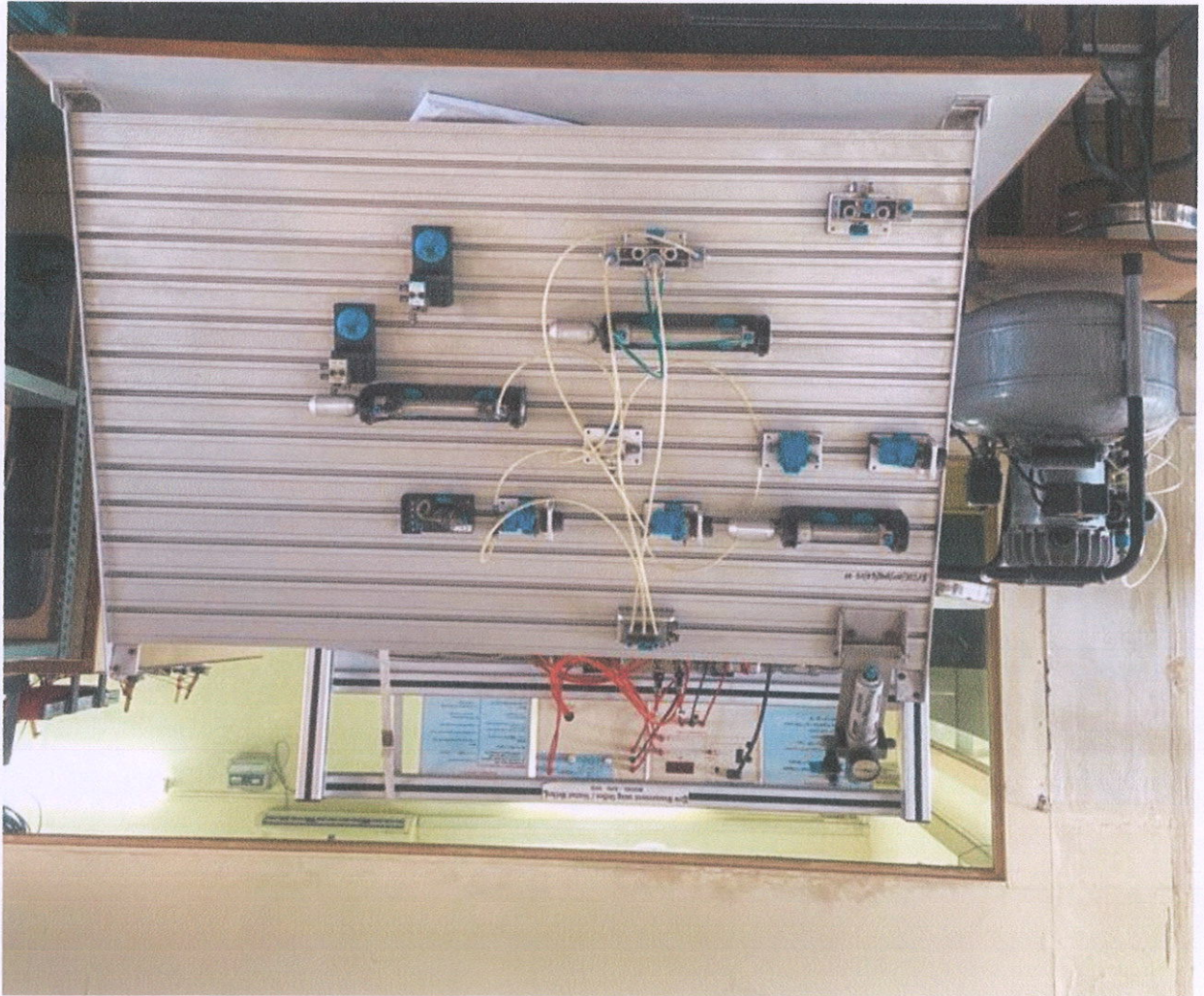
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PHI Lab (Even Sem)
Equipped with Pneumatic, Hydraulic, Electro Pneumatic and Electro Hydraulic trainer kits of Festo India Ltd.



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Process Control Lab (Even Sem)
Lab equipped with control valve characteristics, cascade control kit, ratio control kit, ADAM view kit and NEPI SOFTWARE.

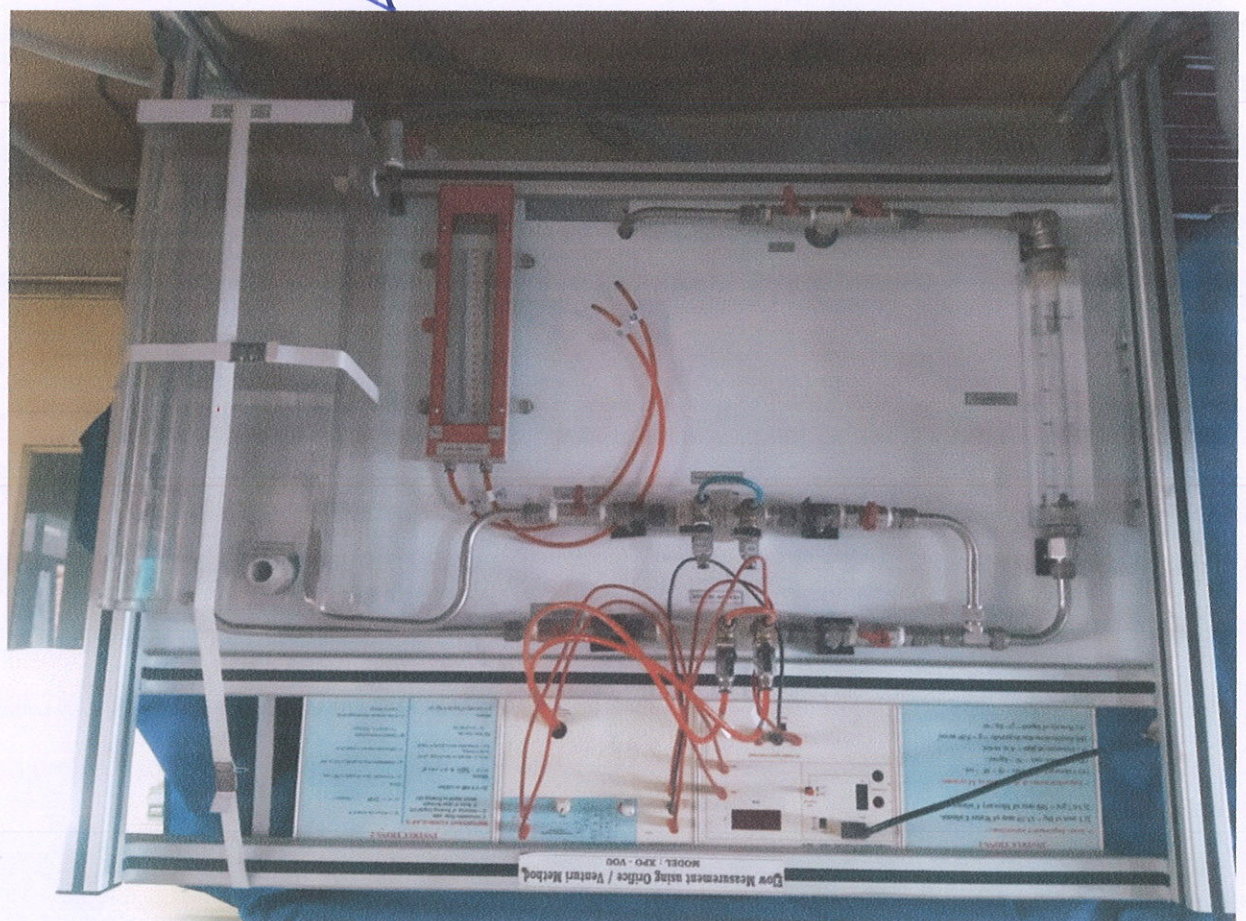


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Industrial Industrial Lab (Odd Sem)

Equipped with flow, pressure, speed measuring trainer kits.



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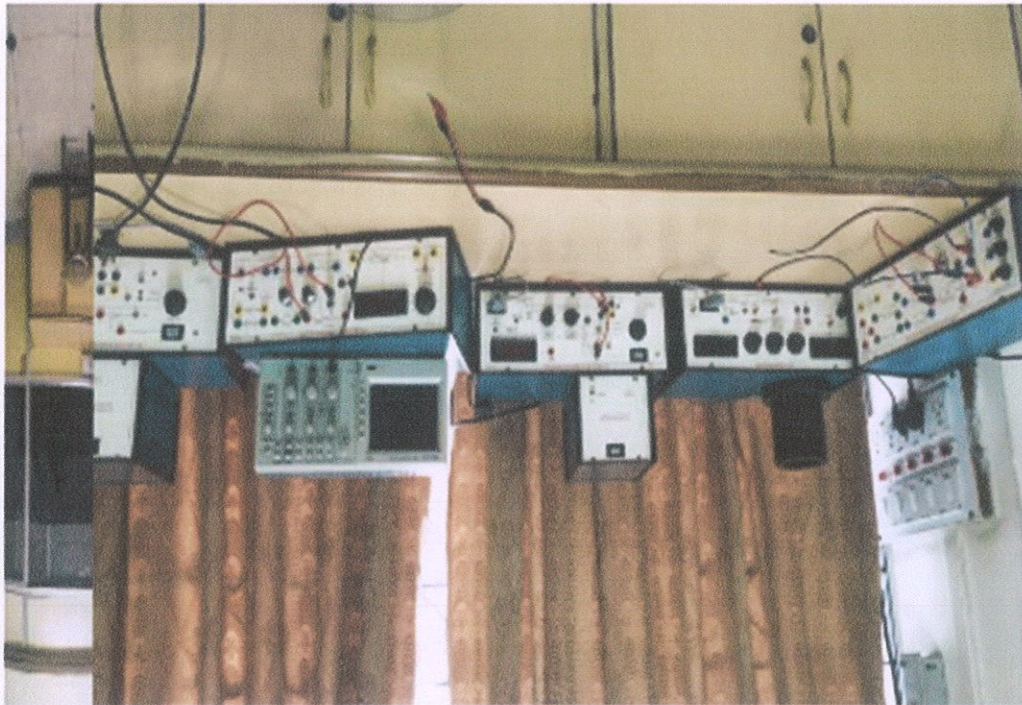
BMI Lab (Odd Sem)



VI Lab (Even Sem)

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Control System Lab (Odd Sem)

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Electrical Science Lab



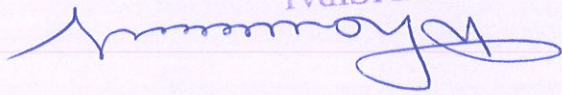
Applied Chemistry Lab



Applied Physics Lab



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Programming in C Lab



Engineering Workshop

