

Number of Laboratories = 55

Total Area = 2,559 Sq. Mts. (27,544.85 Sq. Ft)

Sr. No.	Name of the Laboratory	Equipment Details
1	Advanced Communication Engineering Laboratory	Lenses, lasers, Beam splitters, Optical breadboards, Diffraction pattern measuring instruments, Desktops
2	Advanced Instrumentation System Laboratory	Compressors, Various Sensors, Level indicators, LVDT, Pressure gauges
3	Analog Integrated Circuit Laboratory	Digital Storage Oscilloscope Colour 10 & 60MHz, CRO, Function Generator, Dual & Single Power Supply, Digital IC Tester, Desktop Computers LT Spice, MATLAB
4	Applied Chemistry laboratory	Demineralization Plant, Colorimeter, Redwood Viscometer, Pensky Marten Flash Point Apparatus, Oven, Heating Mantles.
5	Artificial Intelligence Laboratory	Desktop Computers JAVA, NETBEANS, WIRESHARK, ZENMAP, C, WEKA, MATLAB, AgroUML, Wireless tool kit
6	Basic Communication Laboratory - 1	Digital Storage Oscilloscope, CRO, Dual & single power supply, Function Generator, 9 IN 1 Test Bench, AM & FM MATLAB, Scilab, Multisim, Circuit Maker
7	Basic Communication Laboratory - 2	Digital Storage Oscilloscope, CRO, Dual & single power supply, Function Generator, 9 IN 1 Test Bench, AM & FM MATLAB, Scilab, Multisim, Circuit Maker
8	Basic Electrical Engineering Laboratory	DC Power Supply (9 in 1 Test Lab), CRO, DSO, Regulated Power Supply (032VDC/2amp), LCR Q-Meter, Dimmer stat, 5A, 3PH, 415V, 3KVA, Transformer 230/110v, 1KVA, DC Shunt Motor 3HP DC Series Motor 5HP 3phase Rotor slip ring induction motor and accessories for loading and torque measurements, High Voltage DC Power Supply (15300V), Function Generator 2 MHz & 10 MHz, Digital Multi-meter, Milli & Micro ammeters, Ammeters, Watt meters, AC & DC Voltmeter, Tachometer MATLAB, Scilab, Multisim, Circuit Maker
9	Basic Electronics Laboratory	Cathode Ray Oscilloscope, Function Generator, Dual Power Supply, Dimmer, Transformer, LCR Q meter
10	Basic VLSI Laboratory	Desktop PCs with VLSI CAD tools, Digital Voltmeter, Digital Ammeter, Digital Multi-meter XILINX 9.2.i, TCAD DEMO, MATLAB DSCH2, MAGIC MICROWIND, NG – SPICE, LT – SPICE, SCILAB, ELECTRIC, EAGLE, LASI, PSPICE, OOMMF, Quantum Espresso Software, Tetex, Octave, SRIM / TRIM, MEMS Solver, Polsar Pro

Sr. No.	Name of the Laboratory	Equipment Details
11	Bio-Mechanics Laboratory	Drawing instruments such as mini drafter. AutoCAD Software, simply supported beam, friction plane, screw jack, bell crank lever, compound pendulum
12	Biomedical Instrumentation Laboratory	Integrated circuits for different logic gates Desktop Computer, HHSim Software.
13	Computer Programming Laboratory - 1	Desktop Computers Visual Studio 2010, WAMP Server, NetBeans, Turbo C, JDK7.0, GPSS, MATLAB, Oracle 10g, PostgreSQL, Weka Tool
14	Computer Programming Laboratory - 2	Desktop Computers Visual Studio 2010, WAMP Server, NetBeans, Turbo C, JDK7.0, GPSS, MATLAB, Oracle 10g, PostgreSQL, Weka Tool
15	Computer Programming Laboratory - 3	Desktop Computers Visual Studio 2010, WAMP Server, NetBeans, Turbo C, JDK7.0, GPSS, MATLAB, Oracle 10g, PostgreSQL, Weka Tool
16	Data warehousing and Mining Laboratory	Desktop Computers Visual Studio 2010, WAMP Server, NetBeans, Turbo C, JDK7.0, GPSS, MATLAB, Oracle 10g, PostgreSQL, Weka Tool
17	Database Laboratory - 1	Desktop Computers JAVA, NETBEANS, WIRESHARK, ENMAP, C, WEKA, MATLAB, AgroUML
18	Database Laboratory - 2	Desktop Computers JAVA, NETBEANS, WIRESHARK, ENMAP, C, WEKA, MATLAB, AgroUML
19	Database Laboratory - 3	Desktop Computers Visual Studio 2010, WAMP Server, NetBeans, Turbo C, JDK7.0, GPSS, MATLAB, Oracle 10g, PostgreSQL, Weka Tool
20	Digital and VLSI Design Laboratory	Logic Trainer Kits, Analog & Digital trainer kit, Regulated Power Supply, VTU Proto-board Model MXS3FK VTU, ADM TKB Base Universal (3/3E), Adapter for FPGA (SMPS), ModelADP208F2S, Trainer kit: SP3 DSP Model: MXS3FKVTU, XILINX 9.2.i, TCAD DEMO, MATLAB DSCH2, MAGIC MICROWIND, NG – SPICE, LT – SPICE, SCILAB, ELECTRIC, EAGLE, LASI, PSPICE, OOMMF, Quantum Espresso Software, Tetex, Octave, SRIM / TRIM, MEMS Solver, Polsar Pro
21	Digital Electronics Laboratory	Digital Trainer Kit, Digital IC Tester
22	Electronic Devices & Circuit Laboratory	APLAB Digital Storage Oscilloscope Colour 60 & 25 MHz, CRO, Function Generator, Dual & single power supply, Trainer Kit: LCR Q-Meter, SCR, MOSFET, UJT, UJT Relaxation Oscillator IGBT MATLAB, Scilab, Multisim, Circuit Maker
23	Electronics & Simulation Laboratory	Digital Voltmeter, Digital Ammeter, Cathode Ray Oscilloscope, Digital Storage Oscilloscope, Digital Multi-meter Trainer Kits, Cathode Ray Oscilloscope

Sr. No.	Name of the Laboratory	Equipment Details
24	Electronics Circuit Laboratory	Digital Storage Oscilloscope, CRO, Dual & single power supply, Function Generator, 9 IN 1 Test Bench, AM & FM MATLAB, Scilab, Multisim, Circuit Maker
25	Electronics Laboratory - A	Cathode Ray Oscilloscope, Digital Storage Oscilloscope, Function Generator, Trainer Kits
26	Electronics Laboratory - B	Cathode Ray Oscilloscope, Digital Storage Oscilloscope, Lenses, lasers, Beam splitters, Optical breadboards, Diffraction pattern measuring instruments
27	Electronics Project Laboratory	Digital Storage Oscilloscope Colour 10 & 60MHz, CRO, Function Generator, Dual & Single Power Supply, Digital IC Tester, Desktop Computers LT Spice, MATLAB
28	Embedded System and Simulation Laboratory	Cathode Ray Oscilloscope, Digital Storage Oscilloscope, Function Generator, Arbitrary wave form, generator, Peak Voltage measurement kit, PID Control kit, Desktop PC's, Software Sugar
29	Engineering Graphics Laboratory	Simply supported beam, friction plane, screw jack, bell crank lever, compound pendulum
30	Engineering Mechanics Laboratory	Simply supported beam, friction plane, screw jack, bell crank lever, compound pendulum
31	Engineering Physics Laboratory	Travelling Microscope, Spectrometer, He-Ne Laser, Plane Diffraction Grating, C.R.O., Signal Generator.
32	Ergonomics Laboratory	Drawing Tables, CAD Tools
33	Graphics Laboratory - 1	Desktop Computers, MATLAB, C, AUTOCAD
34	Graphics Laboratory - 2	Desktop Computers, MATLAB, C, AUTOCAD
35	Human Anatomy and Prosthetics Laboratory	Piezoelectric pulse, Transducer, Thermocouple transducer, Respiration transducer, Doppler shift transducer, Dual Power supply, Optical Transducer, LVDT Trainer Kit, Photo transducer and Application kit, Integrated circuits for different logic gates, ECG Amplifier, Biotelemetry transmitter and receiver, EMG Biofeedback Biophysical Amplifier and Recorder, Patient Monitoring System. HHsim Software, ECG Simulator, ECG, Arrhythmia, ECG heart pulse rate, Simulator, SUGAR
36	Image processing Laboratory	Desktop Computers Visual Studio 2010, WAMP Server, NetBeans, Turbo C, JDK7.0, GPSS, MATLAB, Oracle 10g, PostgreSQL, Weka Tool
37	Innovation Lounge	High speed internet connectivity, specially designed tables for discussions, Space for product

Sr. No.	Name of the Laboratory	Equipment Details
		development and placement. Tools for Drilling, Filing, etc
38	Microprocessor and Microcontroller Laboratory - 1	8051 microcontroller based universal boards 8051, PIC, ARM 7, daughter boards, ARM 9 daughter boards
39	Microprocessor and Microcontroller Laboratory - 2	8051 microcontroller based universal boards, 8051, PIC, ARM 7, daughter boards, ARM 9 daughter boards
40	Mobile Computing Laboratory	Desktop Computers Visual Studio 2010, WAMP Server, NetBeans, Turbo C, JDK7.0, GPSS, MATLAB, Oracle 10g, PostgreSQL, Weka Tool
41	Network And Mobile Communication Laboratory	Desktop Computers Visual Studio 2010, WAMP Server, NetBeans, Turbo C, JDK7.0, GPSS, MATLAB, Oracle 10g, PostgreSQL, Weka Tool
42	Networking Laboratory - 1	Desktop Computers JAVA, NETBEANS, WIRESHARK, ZENMAP, C, WEKA, MATLAB, AgroUML, wireless toolkits, Linux, WAMP, XMAP SERVER
43	Networking Laboratory - 2	Desktop Computers JAVA, NETBEANS, WIRESHARK, ZENMAP, C, WEKA, MATLAB, AgroUML, wireless toolkits, Linux, WAMP, XMAP SERVER
44	Power Electronics, Control & Machines Laboratory	CRO, Digital Storage Oscilloscope, DC Power Supply (32V/2amp & 30V/3amp), High Voltage DC Power Supply (15300V), Function Generator (2, 10 MHz), DMM, Trainer Kits: IGBT, MOSFET, SCR, DIAC / TRIAC Characteristics, Light Dimmer stats, Semi Controlled Bridge Rectifier circuits Thyristor Trigger, SCR Force Commutation, SMPS, Parallel Inverter, Universal Motor Speed Controller Using SCR, IGBT Power MOSFET, Controlled Rectifier Using SCR, Milli ammeters, Micro ammeters, Ammeters, Wattmeter's, AC & DC Voltmeter, Tachometer, MATLAB, Scilab, Multisim, Circuit Maker
45	Project Laboratory - 1	Desktop Computers JAVA, NETBEANS, WIRESHARK, ZENMAP, C, WEKA, MATLAB, AgroUML, wireless tool kit
46	Project Laboratory - 2	Desktop Computers Visual Studio 2010, WAMP Server, NetBeans, Turbo C, JDK7.0, GPSS, MATLAB, Oracle 10g, PostgreSQL, Weka Tool
47	Project Laboratory - 3	Desktop Computers Visual Studio 2010, WAMP Server, NetBeans, Turbo C, JDK7.0, GPSS, MATLAB, Oracle 10g, PostgreSQL, Weka Tool
48	Robotics Laboratory	Desktop Computers Visual Studio 2010, WAMP Server, NetBeans, Turbo C, JDK7.0, GPSS, MATLAB, Oracle 10g, PostgreSQL, Weka Tool

Sr. No.	Name of the Laboratory	Equipment Details
49	Signal Processing and Biomedical Simulation Laboratory	Analytical Instrument, Digital Spectrometer, Digital pH meter, Flame Photometer, Digital Photo Colorimeter, Blood Cell Counter, Blood Pressure Apparatus, Audiometer, Short wave diathermy unit Solid state electro cautery unit Haemodialysis Machine Desktop PC's, Digital Spirometer software, SUGAR
50	Software Engineering Laboratory	Desktop Computers Visual Studio 2010, WAMP Server, NetBeans, Turbo C, JDK7.0, GPSS, MATLAB, Oracle 10g, PostgreSQL, Weka Tool
51	Systems Laboratory - 1	Desktop Computers JAVA, NETBEANS, WIRESHARK, ENMAP, C, WEKA, MATLAB, AgroUML
52	Systems Laboratory - 1	Desktop Computers JAVA, NETBEANS, WIRESHARK, ENMAP, C, WEKA, MATLAB, AgroUML
53	VLSI Design & MEMS Laboratory	Desktop Computer with 4 GB RAM, XILINX 9.2.i, TCAD DEMO, MATLAB DSCH2, MAGIC MICROWIND, NG – SPICE, LT – SPICE, SCILAB, ELECTRIC, EAGLE, LASI, PSPICE, OOMMF, Quantum Espresso Software, Tetex, Octave, SRIM / TRIM, MEMS Solver, Polsar Pro
54	VLSI Design Laboratory	Desktop Computer with 4 GB RAM, XILINX 9.2.i, TCAD DEMO, MATLAB DSCH2, MAGIC MICROWIND, NG – SPICE, LT – SPICE, Computer, Digital Trainer Kit, Digital IC Tester
55	Language Laboratory	iTell Orell Digital Language Lab. Premier Edition Software, specifically designed for improving Speaking Skills. Apple computers.

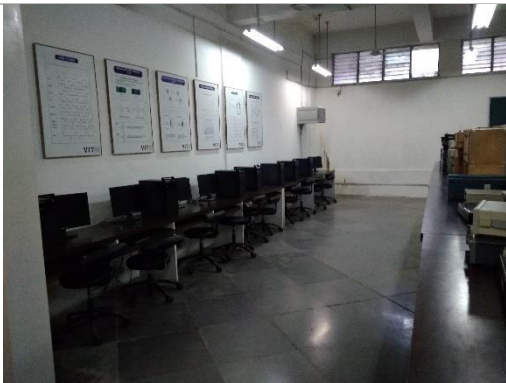
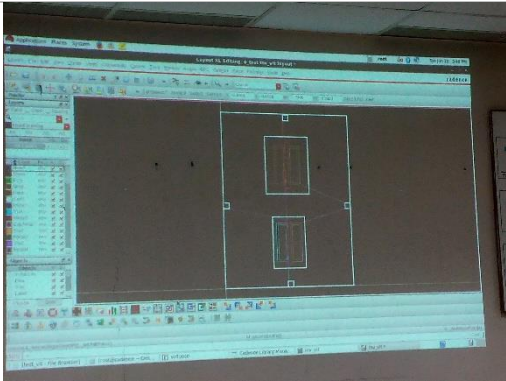
#### Drawing Hall, and Workshop

Sr. No.	Name of the Laboratory	Equipment Details
1	Drawing Hall	Drawing Tables with attachment for Drafters
2	Workshop	Wood turning lathe, power saw, vertical drilling machine, metal sheet cutter and welding machine.

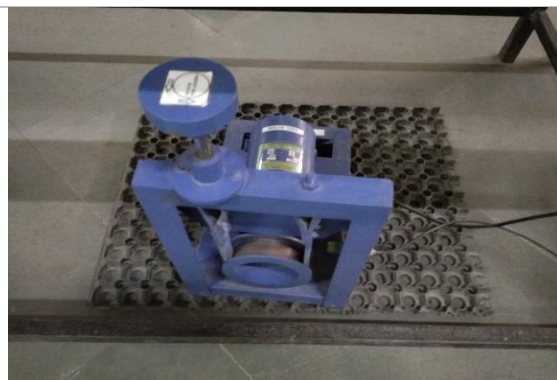
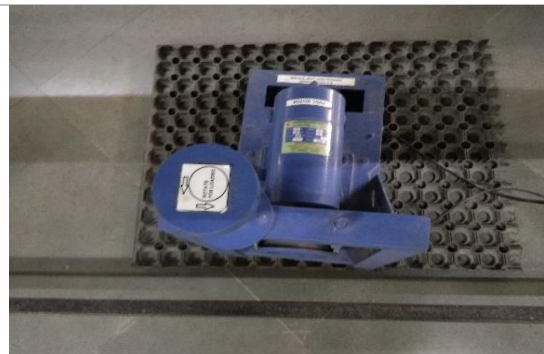
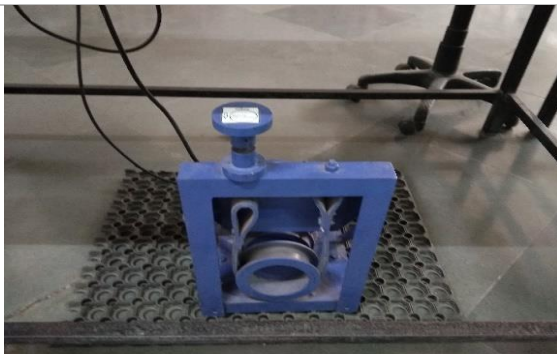
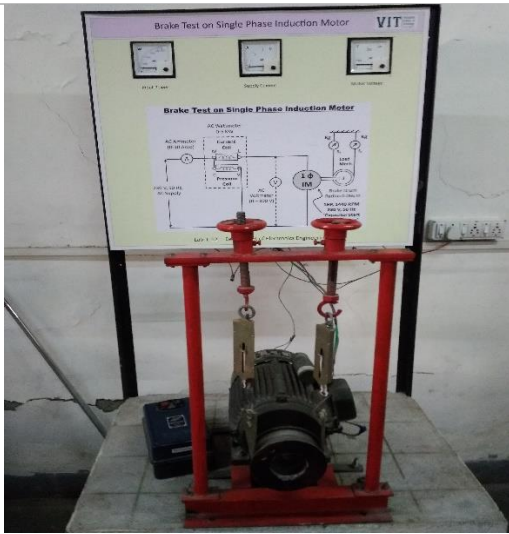
# PHOTOGRAPHS

## Laboratories in Pictures

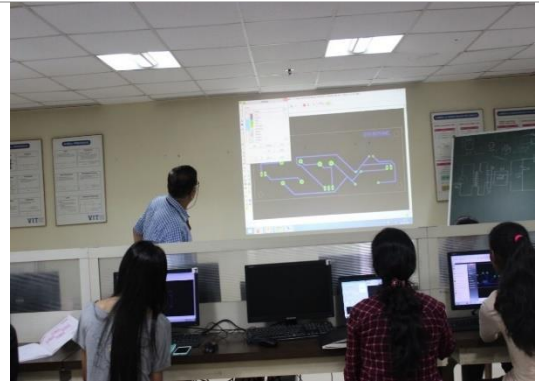
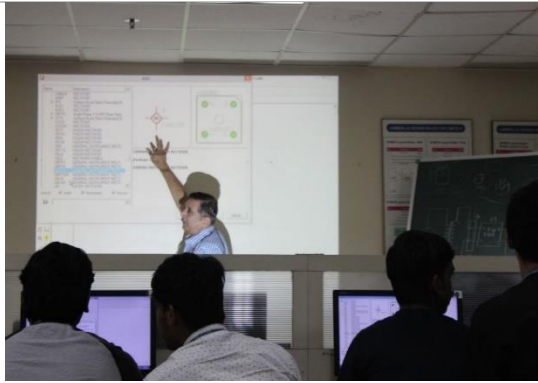
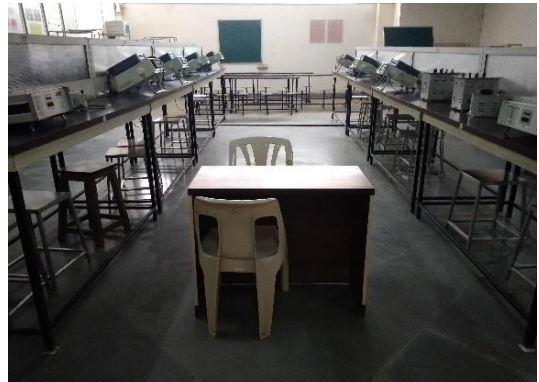
### Electronics Engineering Laboratories



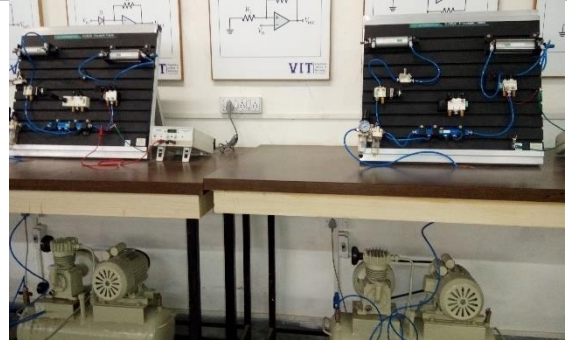
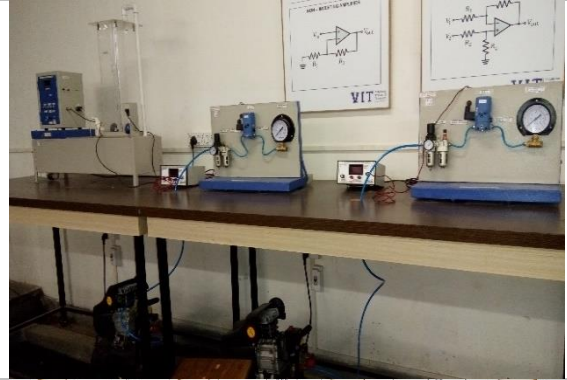
**Electronics Engineering Laboratories**



### Electronics Engineering Laboratories



### Electronics Engineering Laboratories



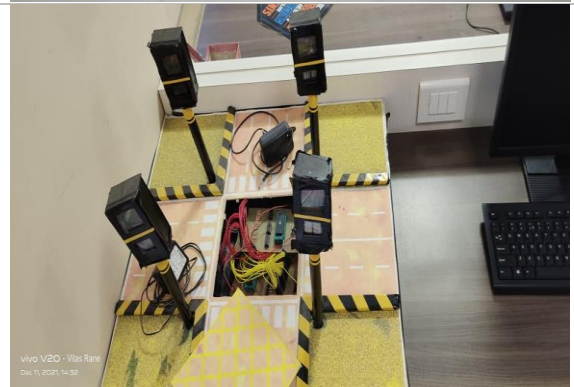
### Electronics & Telecommunication Engineering Laboratories



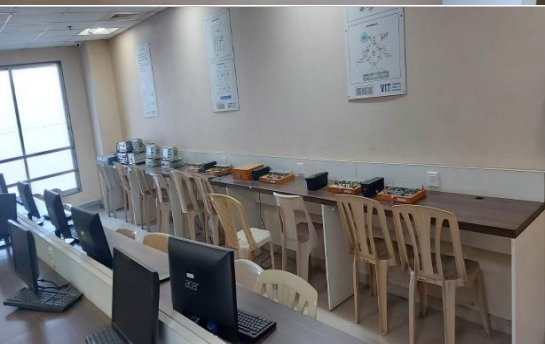
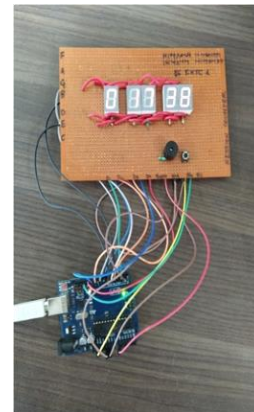
**Electronics & Telecommunication Engineering Laboratories**



### Electronics & Telecommunication Engineering Laboratories



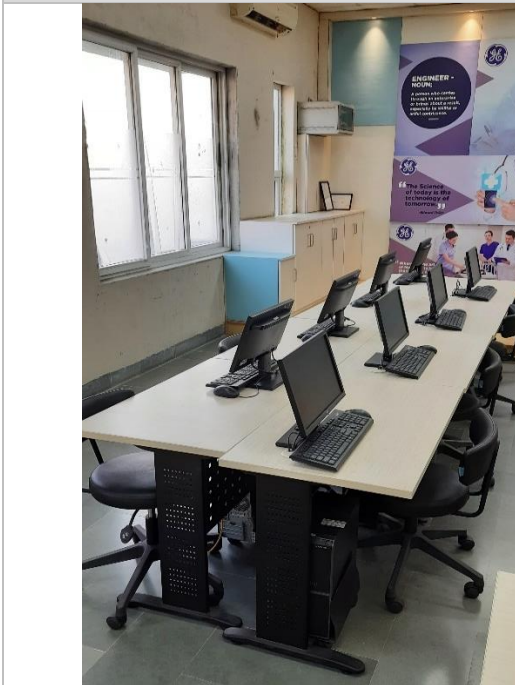
### Electronics & Telecommunication Engineering Laboratories



### Electronics & Telecommunication Engineering Laboratories



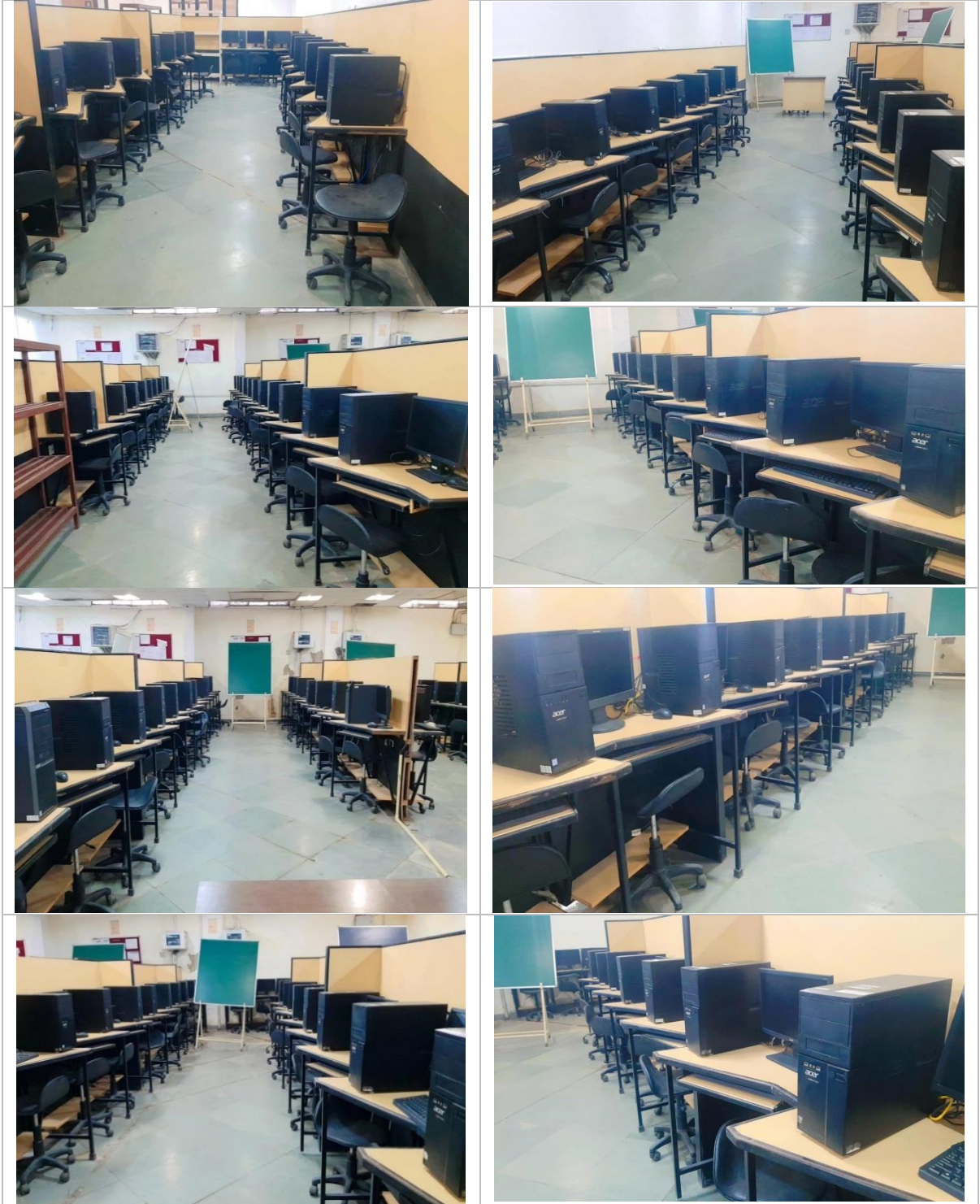
### Biomedical Engineering Laboratories



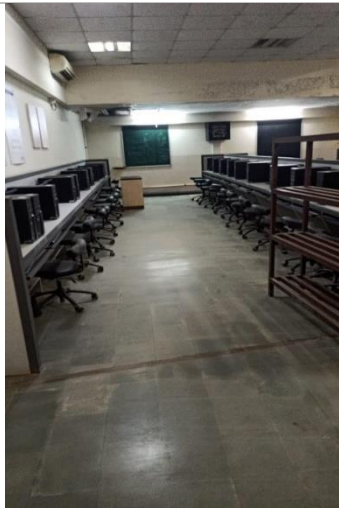
### Biomedical Engineering Laboratories



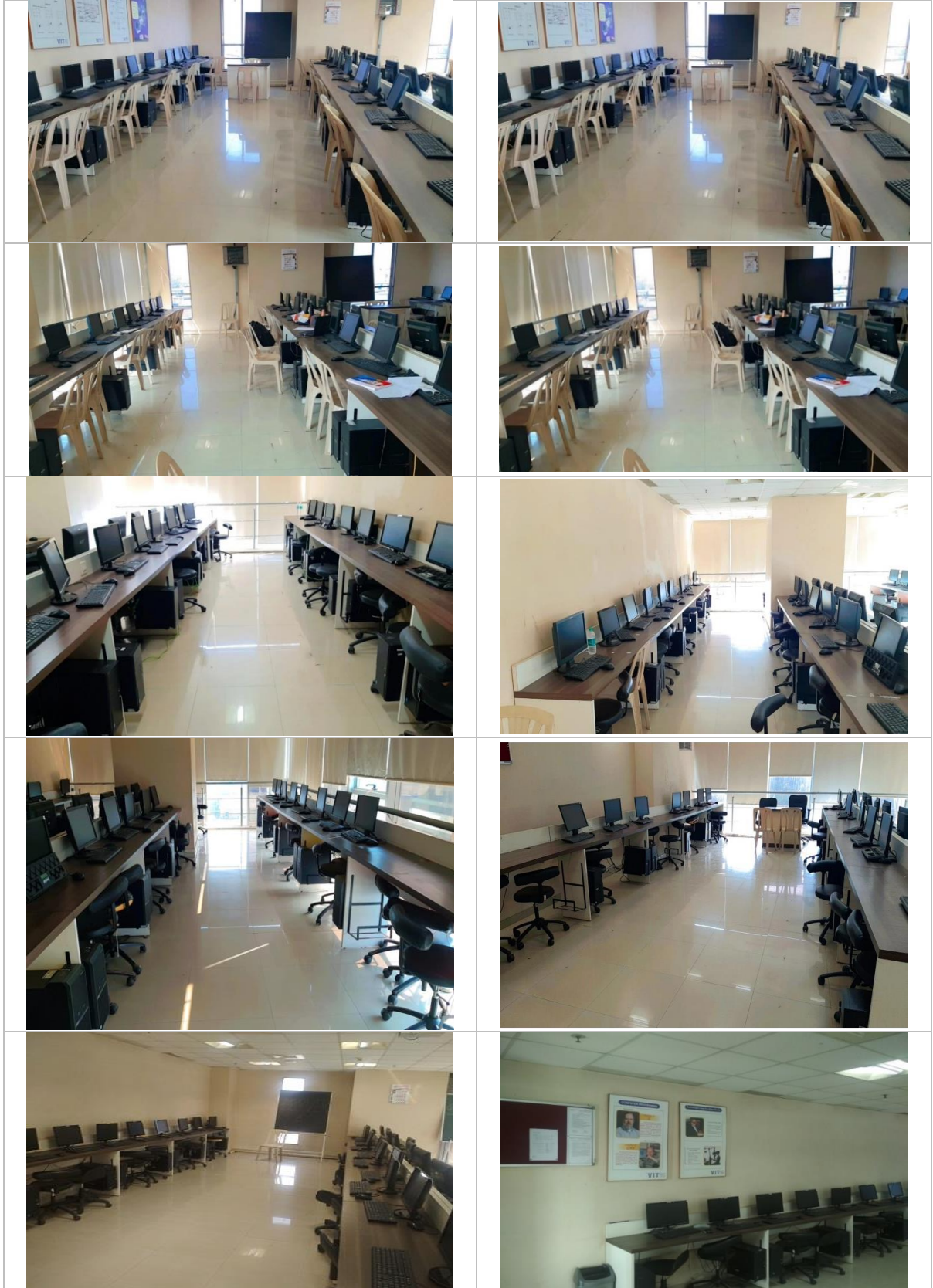
### Information Technology Laboratories



### Information Technology Laboratories



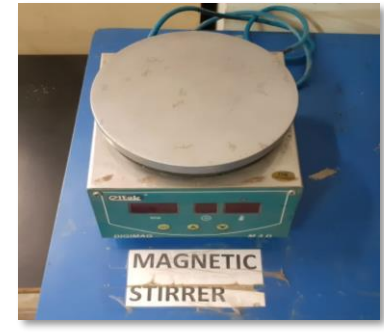
### Computer Engineering Laboratories



**First Year Engineering**



**First Year Engineering**



### First Year Engineering



### Language Laboratory



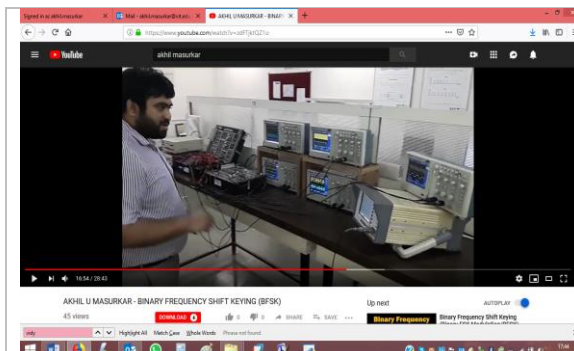
### Drawing Hall



## Workshop

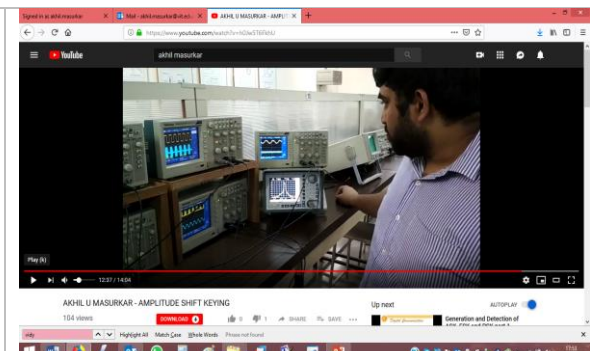


## Practical Sessions on You Tube



Link:

<https://www.youtube.com/watch?v=zdFTjktQZ1o>



Link:

<https://www.youtube.com/watch?v=h0Jw5T6FkhU>