DIPLOMA IN ELECTRONICS & COMMUNICATION ENGINERRING LAB FACILITY

LIST OF LABS -

SL.NO.	COURSE CODE	NAME OF THE COURSE
1.	PHYE1006	APPLIED PHYSICS-I LAB
2.	SLPC1007	PROFESSIONAL COMMUNICATION-IN LAB
3.	DPCS1008	COMPUTER FUNDAMENTALS LAB
4.	CHEM1009	BASIC CHEMISTRY LAB
5.	PHYE1015	APPLIED PHYSICS-II LAB
6.	SLPC1016	PROFESSIONAL COMMUNICATION-II LAB
7.	DPME1017	WORKSHOP PRACTICE
8.	DPEE1018	BASIC ELECTRICAL ENGG.LAB
9.	DPCO1019	ELECTRONIC COMPONENTS & DEVICES LAB
10.	DPME2018	ENGINEERING MECHANICS & MATERIAL
11.	DPCO2005	NETWORK FILTERS & TRANSMISSION LINES LAB
12.	DPCO2006	ELECTRONIC DEVICES AND CIRCUITS LAB
13.	DPCO2007	PRINCIPLES OF DIGITAL ELECTRONICS LAB
14.	DPCO2012	PRINCIPLE OF COMMUNICATION ENGINEERING LAB
15.	DPCO2013	ANTENNA, MICROWAVE & RADAR ENGG. LAB
16.	DPCO2018	MICROPROCESSOR AND EMBEDDED SYSTEM LAB
17.	DPCS2016	COMPUTER PROGRAMMING AND APPLICATIONS LAB
18.	DPCO9001	DISRUPTIVE TECHNOLOGY
19.	DPCO2019	ELECTRONIC INSTRUMENTS AND MEASUREMENT LAB
20.	DPCO3007	MODERN COMMUNICATION SYSTEM LAB
21.	DPCO3008	INDUSTRIAL ELECTRONICS & TRANSDUCERS LAB
22.	PDSS3008	PERSONALITY DEVELOPMENT & SOFT SKILLS
23.	DPCO9998	PROJECT-I
24.	DPCO3009	FIELD VISIT AND PRESENTATION
25.	DPCO9999	PROJECT-II

MICROCONTROLLER/MICROPROCESSOR LAB-

This lab course introduces the assembly language programming of 8085 microprocessor and 8051 microcontroller. The course objective is to introduce the basic concepts of microprocessor/Microcontroller and to develop in students the assembly language programming skills and real time applications of Microprocessor as well as microcontroller. Hardware equipment includes Microprocessor/ Microcontroller Trainer with LCD Display, USB interface, EPROM Programmer, ADC, DAC & Power Supply.

Photographs-

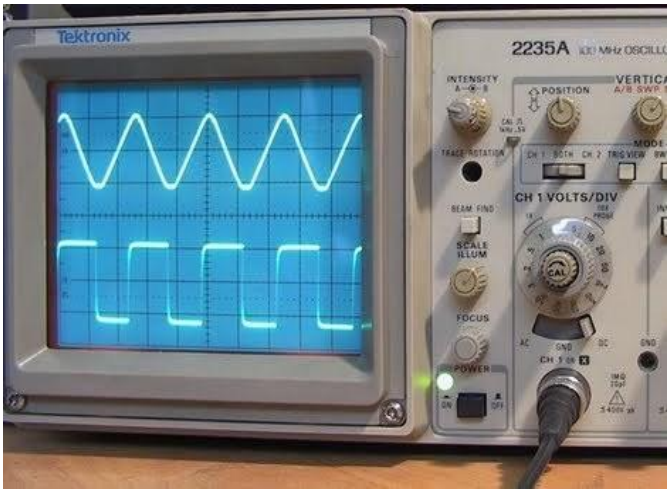
DIGITAL ELECTRONICS LAB-

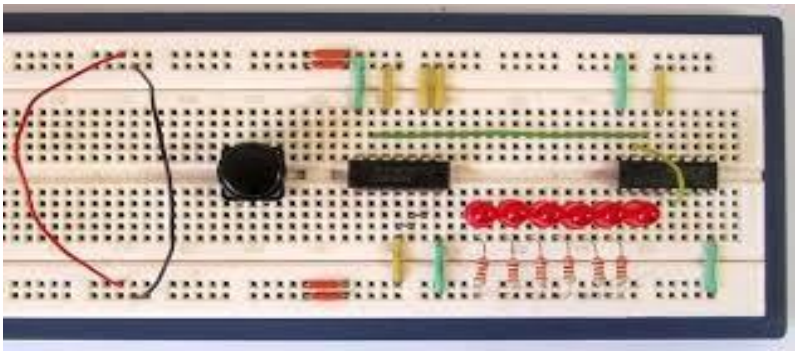
It is the most important and well equipped lab of the Electronics & communication Engineering. This lab is based on the logics (positive and negative). Here the students verify the performance of the combinational as well as sequential circuits. Hardware equipments include the Digital Trainer Kit with Bread Board which provides basic facilities essential for conducting simple experiments in the laboratory. The system has an onboard facility of four crystal generated clock output of 1MHz, 100Hz, 10Hz & 1Hz. It has a facility of Single Pulse Generation by push button switch. Four Seven Segment Display with BCD inputs having breadboard area facility of 1200 TIE points.

ANALOG ELECTRONICS LAB-

This is the experimental laboratory that explores the design, construction, and verifying of analog electronic circuits. Theory lectures and laboratory experiments investigate the performance characteristics of diodes, transistors, JFETs, and op-amp. The course provides opportunity to simulate real-world problems and solutions that involve tradeoffs and the use of engineering judgment. Engineers from local analog engineering companies come to campus to help students with their design projects. Hardware equipments include CRO, bread board, ICs, connecting wires, power supply, function generators etc.

Photographs-






Microwave Components
TYPES OF ANTENNA
8254 PIN DIAGRAM
MADE BY ROHAN

ANALOG INTEGRATED CIRCUIT LAB-

This lab is for undergraduates. Analog integrated circuits laboratory is based on the designing of IC (Op Amp) and passive component based circuit, verification of results on CRO and calculations of various performance parameters. Experiments include summer, differentiator, adder, inverting, non inverting amplifier etc. Hardware equipments include CRO, bread board, ICs, connecting wires, power supply, function generators, passive components etc.