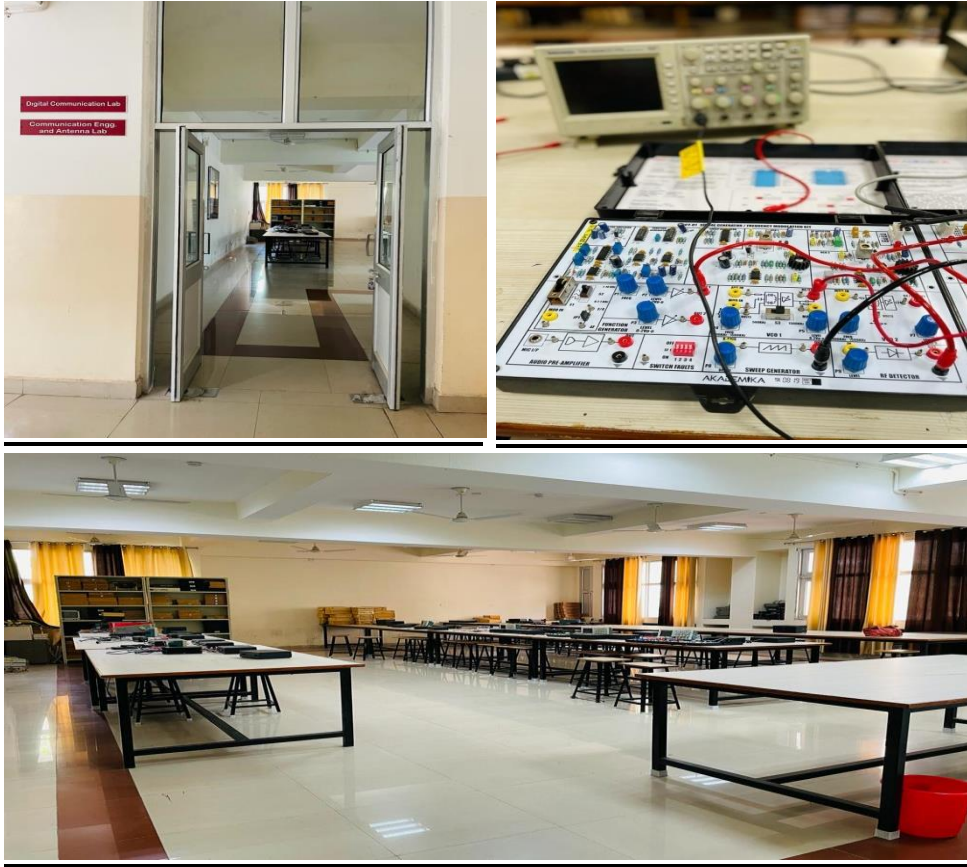


DIGITAL COMMUNICATION LAB

The purpose of the Digital Communication Lab is to understand practical implementation of various digital modulation schemes, to analyze and measure the performance of various digital modulation schemes and to understand practical implementation of line coding formats.



OIC Name: Dr. Sandeep Kumar Singh

Technician: Suresh Kumar

Equipment Details

Hardware	Qty
Function generator 20 MHz	02
Field strength meter (Grundig ME-80)	01
Pulse width modulation & pulse position 2+2	04
Phase lock loop demonstrator with power supply	02
Study of pulse width modulation and demodulation	01

Study of pulse position modulation and demodulation	01
Delta modulation /demodulation modules	02
Digital storage oscilloscope with wave form processor with single probe	01
FSK modulation /FSK demodulation (Adtron demonstration set) 2+2	04
LCR meter (Digital)	02
Telegraphs and data tester	01
PSK module (Phase shift key modulation & demodulation demonstrator	01
PCM	02
Spectrum Analyzer with tracking generator	01
Digital multi-meters (RMS)	03
DE multiplexers	05
Modem demonstration kit	03 set
EPABX DYNAMIC DEMONSTRATOR	01
Telephone exchange tutor	01
Digital modulation experimental (Digicom)	02
100 MHz dual channel digital storage oscilloscope with interface	01
Digital standard signal generator 72 MHz	02
Pulse Code Modulation Kit	01
Pulse Code De –Modulation Kit	01
Data Conditioning & Carrier Modulation Transmitter Trainer	02
Data Re-Conditioning & Carrier De- Modulation Transmitter Trainer	02
Pulse Code Modulation & Demodulation kit	05 Nos.
Multimeter Digital 3.5 Digit.	01 No.
PCM Modulation and De-Modulation Kit	05 Nos.
TDM and Demultiplexing Kit	05 Nos.
Delta Modulation and De- Modulation Kit	05 Nos.