

### **III Year – II SEMESTER**

#### **DIGITAL COMMUNICATIONS LAB**

Time division multiplexing.  
Pulse code modulation.  
Differential pulse code modulation.  
Delta modulation.  
Frequency shift keying.  
Phase shift keying .  
Differential phase shift keying.  
Companding  
Source Encoder and Decoder  
Linear Block Code-Encoder and Decoder  
Binary Cyclic Code - Encoder and Decoder  
Convolution Code - Encoder and Decoder

#### **Equipment required for Laboratories:**

RPS - 0 – 30 V  
CRO - 0 – 20 M Hz.  
Function Generators - 0 – 1 M Hz  
RF Generators - 0 – 1000 M Hz./0 – 100 M Hz.  
Multimeters  
Lab Experimental kits for Digital Communication  
Components  
Radio Receiver/TV Receiver Demo kits or Trainees.