

## **Name of the laboratory: Digital Communications**

### **Course Outcomes:**

- After Completion of the course the student is able to Examine various types of Digital Modulation Techniques
- Determine Spectral Characteristics of PAM and PWM.

### **List of the equipment:**

1. Regulated Power supplies (RPS) : 0-30 V
2. CRO's: 0-20 MHz.
3. Function Generators: 0-1 MHz.
4. Multimeters
5. Trainer Boards

### **List of experiments:**

1. PCM Generation and Detection
2. Differential Pulse Code Modulation
3. Delta Modulation
4. Adaptive Delta Modulation
5. Time Division Multiplexing of 2 Band Limited Signals
6. Amplitude Shift Keying Generation and Detection
7. Frequency Shift Keying Generation and Detection
8. Phase Shift Keying Generation and Detection
9. DPSK Generation and Detection
10. QPSK Generation and Detection
11. Study of the spectral characteristics of PAM
12. Study of the spectral characteristics of PWM

