COMMUNICATION SYSTEMS LAB

(Core Subject)

Course Code:	**10B17EC574**	**Semester:**	**5th Semester, B. Tech (CSE & IT)**
Credits:	**1**	**Contact Hours:**	**L-0, T-0,P-2**

Course Objectives

The objectives are to enhance the understanding of students of communication systems and devices.

Course Outcomes

After studying this course the students would gain enough knowledge to

- Design different analog and digital modulation and demodulation techniques.
- Design various pulse modulation schemes.

List of Experiments

1. To study Amplitude modulation and demodulation
2. To study Frequency modulation and demodulation.
3. To study Pulse Amplitude modulation and demodulation.
4. To study Pulse Width modulation.
5. To study Pulse Position modulation.
6. To study Delta Modulation.
7. To study Amplitude Shift Keying.
8. To study Frequency Shift Keying.
9. To study Phase Shift Keying.
10. To study various Line Coding techniques.
11. To study a Phase Locked Loop (PLL) circuit.

Evaluation Scheme

1. Mid Sem. Evaluation	20 Marks
2. End Sem. Evaluation	20 Marks
3. Attendance	15 Marks
4. Class response	30 Marks
5. File	15 Marks
Total Marks	**100 Marks**

Text Books

- B P Lathi: "Modern Digital and Analog Communication", Oxford University Press.
- R P Singh and S D Sapre: "Communication Systems: Analog and Digital" Tata McGraw-Hill Publishing Company Ltd.