



**Department of Electronics and Communication Engineering**

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**ANALOG AND DIGITAL COMMUNICATIONS LABORATORY**

**II B.Tech II Semester**

**Course Code: A224484**

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<b>0</b>	<b>0</b>	<b>2</b>	<b>1</b>

**COURSE OUTCOMES:**

At the end of the course the student should be able to

1. Demonstrate knowledge in different Analog and Digital Communication Systems.
2. Compare the characteristics of various Analog and Digital modulation schemes and analyze the performances.
3. Develop various analog and digital modulation and demodulation systems
4. Explain how Pulse code modulation is applied to transform an analog signal into a digital one and transmitted through the digital communication network.
5. Design the shift keying based digital modulation techniques for the transmission of digital information

**Note: Any 10 experiments to be conducted**

1. Amplitude modulation and demodulation
2. DSBSC modulation and demodulation
3. SSB modulation and demodulation
4. Frequency modulation and demodulation
5. Pulse Amplitude Modulation and demodulation
6. Pre-emphasis and De-emphasis
7. Verification of Sampling Theorem
8. Pulse code modulation and demodulation
9. Delta modulation and demodulation
10. PSK Modulation and demodulation
11. FSK Modulation and demodulation
12. DPSK and QPSK Modulation and demodulation