EC-352	ANALOG COMMUNICATION LAB	L	T	P	C
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COURSE OBJECTIVES:

1. To understand analyze various analog modulation and demodulation methods.
2. To understand analyze various pulse modulation techniques.

COURSE OUTCOMES:

After successful completion of the course, the students are able to

1. visualise and practically implement communication circuits such as AM, DSB-SC, FM and PAM.
2. analyze the characteristics of communication circuits like Pre-emphasis & De-emphasis, Mixer, and Radio Receiver.
3. demonstrate frequency division multiplexing and demultiplexing technique.
4. Demonstrate and verify sampling theorem.

List of Experiments:

Experiments Based on ALP (8086):

1. Amplitude Modulation and Demodulation.
2. DSB SC Modulation and Demodulation.
3. SSB SC Modulation and Demodulation.
4. Frequency Modulation and Demodulation.
5. Pre Emphasis - De Emphasis Circuits.
6. Verification of Sampling Theorem.
7. PAM Generation and Reconstruction.
8. PWM and PPM Generation and Reconstruction.
9. Synchronous Detector.
10. Mixer Circuit.
11. Spectrum Analyzer and Analysis of AM and FM signals.
12. Frequency Division Multiplexing and De-Multiplexing.
13. Frequency Synthesizer.
14. AGC Characteristics Synchronous Detector.
15. Squelch Circuit.

Note: A minimum of 10(Ten) experiments have to be Performed and recorded by the candidate to attain eligibility for Semester End Practical Examination.