**Department of Electronics & Communication Engineering**

**Communication Systems Lab (ETEC-256)**

**ECE&CSE IV Sem**

**List of Experiments**

1. To study the working of different signals on Digital Storage Oscilloscopes.
2. Generation of DSB-SC AM signal using balanced modulator and observe the waveform on DSO/CRO.
3. To study amplitude demodulation by linear diode detector and envelop detector. Observe the demodulated waveform on DSO/CRO. Also, observe the diagonal peak clipping effect.
4. Generation of SSB AM signal and observe waveform on DSO/CRO.
5. To generate FM signal using voltage controlled oscillator. Observe the waveform on DSO/CRO.
6. To generate FM signal using Varactor & reactance modulation. Observe the modulated waveforms on DSO/CRO.
7. Detection of FM signal using PLL & foster seelay method. Observe the demodulated waveforms on DSO/CRO.
8. To study Super heterodyne AM receiver and measurement of receiver parameters viz.sensitivity, selectivity & fidelity.
9. To study Amplitude Modulation using Spectrum Analyzer and observe the waveforms on DSO/CRO.
10. To study Frequency Modulation using Spectrum Analyzer and observe the waveforms on DSO/CRO

**F02 (MSIT-LAB-PA-01)**