	L	T	P	C
II Year - II Semester	**0**	**0**	**3**	**2**

ANALOG COMMUNICATIONS LAB

List of Experiments (Twelve experiments to be done- **The students have to calculate the relevant parameters**) -
(a. Hardware, b. MATLAB Simulink,   c. MATLAB Communication tool box)

- A.   Amplitude Modulation - Mod. & Demod.
- B.   AM - DSB SC - Mod. & Demod.
- C.   Spectrum Analysis of Modulated signal using Spectrum Analyser
- D.   Diode Detector
- E.   Pre-emphasis & De-emphasis
- F.   Frequency Modulation - Mod. & Demod.
- G.   AGC Circuits
- H.   Sampling Theorem
- I.   Pulse Amplitude Modulation - Mod. & Demod.
- J.   PWM , PPM - Mod. & Demod.
- K.   PLL
- L.   Radio receiver characteristics

Equipments & Software required:

Software :

- i.)   Computer Systems with latest specifications
- ii)   Connected in Lan (Optional)
- iii)   Operating system (Windows XP)
- iv)   Simulations software (Simulink & MATLAB)

Equipment:

1.	RPS	-	0 – 30 V
2.	CRO	-	0 – 20 M Hz.
3.	Function Generators	-	0 – 1 M Hz
4.	Components		
5.	Multimeters		
6.	Spectrum Analyser		