



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

4. Name of the Lab : LINEAR INTEGRATED CIRCUITS LABORATORY

Subject Code : EC8462(EVEN SEMESTER)

Regulations: R17

List of Experiments recommended as per Anna University

Design and Testing of:

1. Inverting, Non inverting and differential amplifiers
2. Integrator and Differentiator
3. Instrumentation amplifier
4. Active low-pass, High-pass and band-pass filters
5. Astable & Monostable multivibrators and Schmitt Trigger using op-amp
6. Phase shift and Wien bridge oscillators using op-amp
7. Astable and monostable multivibrators using NE555 Timer
8. PLL characteristics and its use as Frequency Multiplier
9. DC power supply using LM317 and LM723
10. Study of SMPS

Simulation Using SPICE:

1. Simulation of Experiments 3, 4, 5, 6 and 7
2. D/A and A/D converters (Successive approximation)
3. Analog multiplier
4. CMOS Inverter, NAND and NOR

CONTENT BEYOND THE SYLLABUS

1. Simulation of ADC using Multisim
2. Bistable multivibrator using op-amp