



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

LINEAR INTEGRATED CIRCUITS LABORATORY

Lab incharge : Mrs. S.Sivaranjani

Lab instructor : Mr.D.Rahul

Overview

Integrated Circuits Lab imparts the concepts of both digital logic circuits and linear integrated circuits. The Lab is well equipped with hardware facilities required for the students to perform necessary experiments. The facilities include IC trainer Kits, cathode ray oscilloscope, signal generators, ic tester, power supplies, multimeters. This laboratory is well suited for the students to design, build and test their own circuits to acquire deep practical knowledge.

Digital electronics lab is mainly developed to impart practical knowledge regarding different digital equipments, technologies and applications oriented involvements in that. The major experiments include combinational circuits, code converters, magnitude comparator, multiplexers/ demultiplexers, flip-flops, shift registers, counters. These experiments were included with the motto of enhancing the knowledge regarding digital techniques which help the student's development.

Linear integrated circuits lab is helpful to do more mini projects by using IC 555 timer for small applications. The major experiments are differentiator, integrator, PLL and IC 555 timer.

The area of laboratory is 86.19 Sq.M

Major equipments:

- Regulated dual DC power supplies (0-30V)2A
- Dual trace cathode ray oscilloscope (20mhz)



- Digital storage oscilloscope (60mhz)
- Digital IC trainer kit
- Audio frequency oscillator (1hz to 1mhz)
- Regulated single DC power supplies (0-30V)2A
- Function genarater (3mhz)
- Digital IC tester
- Analog IC tester



Snapshot of linear integrated circuits laboratory



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