

Department Of Electronics And Communication Engineering

INTEGRATED CIRCUITS LAB



The INTEGRATED CIRCUITS laboratory is to cater the needs of under graduate students to practically explore the digital and analog circuits. It is focused on the design of combinational and sequential digital circuits and on the modelling of advanced semiconductor devices with linear integrated circuits. The general activities in the Integrated Circuit Laboratory includes a profound understanding of the properties and limitations of active and passive devices from an analog and RF perspective. It influences the design in circuit and system level. This lab is equipped with adequate number of Cathode Ray Oscilloscopes, Digital Trainer kits, Power supplies, Function Generators to carry out the experiments. Trainer kits help the students to design, troubleshoot and verify all sorts of simple digital electronic circuits. Students have imported knowledge of design of differential amplifier, Integrator, differentiator Instrumentation amplifier, various fitters along with design of PLL, Power supplies, Op- amp and IC 555 Timers. In addition, the students are also trained to design of various circuits with SPICE Software in this laboratory.