

## **Department of Electronics and Communication Engineering**

### **Electronic Devices And Circuit Lab**

The Electronic Devices And Circuit Lab is one of the most important labs for electronic engineering students. In EDC lab 2 lab courses are run in alternate semesters for 2<sup>nd</sup> year ECE students.

In even sem Analogue Electronics lab course is there for students. The experiment list includes experiments on amplifiers and mosfet circuits that are very essential for ECE students to solidify their theoretical and practical concepts. This is a one of most important designing laboratory for students of ECE department. In this lab students first design their circuit on software using PSPICE and then simulate it. After simulating on software they again perform the same exp. on breadboard and match the results.

Digital Electronics lab course is being there for students in odd semester. Students learn about digital basic gates, universal gates and then make different digital circuit on bread board using these gates. The zest of this lab is digital counter. Students are able to make Asynchronous, synchronous ripple, repeating counters.

#### **Major Equipments:**

Electronic Devices And Circuit Lab contains various equipments like digital multimeters, power supplies, function generators and Digital Storage Oscilloscope DSO.

#### **Measuring Equipments and Power Supplies :**

Digital Storage Oscilloscope DSO-16,  
Function Generators-18,  
D C Regulated Power supply-10,  
Digital Multimeter-17,  
Project bread board-11,  
Digital IC Tester-01