

# **SILIGURI INSTITUTE OF TECHNOLOGY**

## **ELECTRONICS & COMMUNICATION ENGINEERING**

### **COURSE OUTCOME**

#### **1<sup>ST</sup> SEMESTER**

**Course Title: Basic Electrical & Electronics Engineering-I (ES101) & Basic Electrical & Electronic Engineering Lab-I (ES191)**

**CO1: Understand** different types of semiconductor and explain their properties

**CO2: Understand** the working principles of different diodes and use them in rectifier circuits.

**CO3: Discuss** the working principle of Transistor and **explain** its V-I characteristics.

**CO4: Carry Out** experiments to become familiar with different electronic components, measuring and testing equipment.

**CO5: Study** the V-I characteristics of P-N Junction Diode and Zener Diode and **calculate** ripple factor of a rectifier

