Department of Electrical and Electronics Engineering

Date: 04.10.2024

Pedagogical Initiatives

Academic Year: 2024-25 (ODD)

Name of the faculty: **Dr G.K.MOORTHY**

Sub Code/Title: EC3301/ Electron Devices and Circuits

Class/Sem/Dept.: II/III/EEE

Objective:

To help students well understand and apply for PN junction diode is a type of semiconductor device that consists of a p-type material and an n-type material joined together.

8. No.	Type of pedagogical Initiative	Description	Course outcomes
1.	Operation and VI Characteristics PN Junction Diode	**Forward Bias** • Depletion Region Reduces • Current Flow **Reverse Bias** • Depletion Region Increases • No Current Flow **Reverse Bias VI Characteristics** • Reverse Saturation Current • Breakdown Voltage **Applications** • Rectification • Switching • Voltage Regulation • Signal Processing	CO1

Outcomes:

Students develop a deeper understanding of Operation and VI Characteristics PN Junction Diode

Photos:

Our II Year students participated in Operation and VI Characteristics PN Junction Diode

Course In-charge

HoD /EEE