



- Constituent College of JSS Science and Technology University
- Approved by A.I.C.T.E
- Governed by the Grant-in-Aid Rules of Government of Karnataka
- Identified as lead institution for World Bank Assistance under TEQIP Scheme



Department of Electronics and Communication Engineering

POWER ELECTRONICS LABORATORY

Room No. CS 202

- **Staff In-Charge :** **Dr. U B Mahadeva Swamy**
Professor
Prof. Eshwari A Madappa
Assistant Professor
- **Technical / Supporting Staff :** **Siddappa**
Instructor
Mohamed Hameed
Helper
- **Facilities Available :**
 1. Equipment to conduct basic experiments on electrical and electronic measurements like calibration of energy meters, testing of C.T.s, A.C./D.C. bridges, etc.
 2. Power electronic trainer kits, digital storage oscilloscopes, isolation transformers.
 3. CROs, signal generators, regulated power supplies, Digital Multimeters.
- **Utilization :**

The laboratory is equipped with modules such as SCR, IGBT, UJT, MOSFET etc. The laboratory course provides instruction in general lab practices, measurement methods and with the design and operation of several common circuits relevant to the field of power electronics. It also provides experience the common components such as motors, batteries, magnetic devices, and power semiconductors. They may also be used for student project works.

