

Department of Electronics and Communication Engineering

Shri Jayachamarajendra college of Engineering, Mysuru-570006

POWER ELECTRONICS LABORATORY

- **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.
4. Breadboards, soldering facilities, CRO probes and other accessories, Power Supply.

- **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.