

Power Electronics Laboratory:

Laboratory In-charge : Dr. S.Banumathi

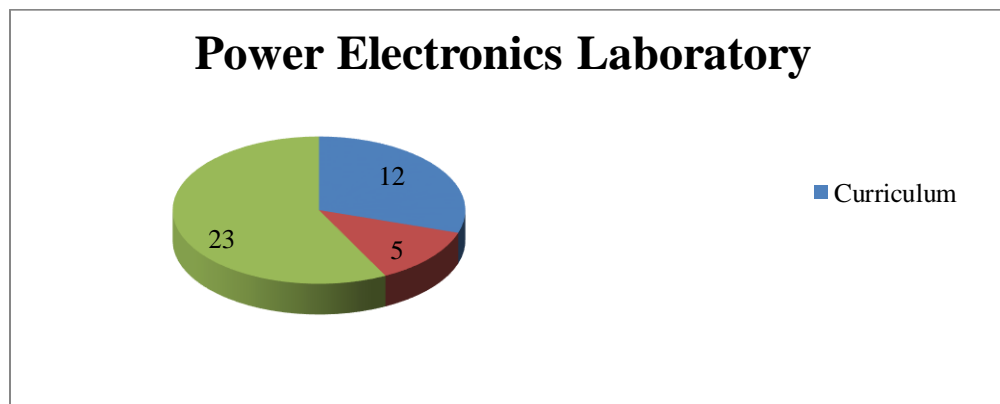
Technical supporting staff : Mr.K.Rajkumar



Figure 6.5 Snapshot of Power Electronics Laboratory

Area of the laboratory: 13.5m X 8.7m = 117.45 sq.m

Utilization chart



Major Equipment:

- AC motor
- DC motor

Trainer kits for

- Single phase and Three phase half and fully controlled Converter
- Inverter
- Chopper
- AC voltage controller

Major Experiments:

- Steady State Characteristics of IGBT
- Step down and step up MOSFET based chopper
- IGBT based three phase PWM Inverter
- Implementation of AC voltage controllers using TRIAC
- Implementation of Three phase half and fully controlled Rectifiers using MATLAB

Utilization of the laboratory:

- Power Electronics Laboratory for third year EEE students