DEPARTMENT OF ELECTRICAL ENGINEERING UG POWER ELECTRONICS LABORATORY

List of Experiment:

Course Code: EE4093D POWER ENGINEERING LAB

- > Study of V-I characteristics of Thyristor.
- > Study of V-I characteristics of IGBT.
- > Study of V-I characteristics of MOSFET.
- > Study of switching characteristics of IGBT.
- > Study of switching characteristics of MOSFET.
- > Study of buck converter using TI-PMLK evaluation board.
- > Single phase AC voltage controller using Thyristor.
- > Single phase AC voltage controller using TRIAC.
- > Solar PV Module: I-V characteristics of a P-V Module.
- > Single-phase full-converter: Study of its performance for R and RL loads.
- > Single-phase semi-converter: Performance study for R and RL loads.
- > Single-phase half wave rectifier: Performance study for R and RL loads.
- Single-phase square wave inverter: Study the effect of variation in DC Bus voltage and duty cycle.
- ➤ Cable Testing: Determine the IR value, conductor resistance and calculate the leakage current.

Technical staff:

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