



**AVIT**  
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY



VINAYAKA MISSION'S  
RESEARCH FOUNDATION  
(Deemed to be University under section 3 of the UGC Act 1956)



Accredited by NAAC



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## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Prog & Branch : M.E – Power System Engineering

Sem : I

Name of the Lab : Power Electronics for Power Systems Lab

### List of Experiments

1. Single Phase Semi-converter with R-L and R-L-E loads for continuous and discontinuous conduction modes
2. Single Phase Full- Converter With R-L And R-L-E Loads for Continuous and Discontinuous Conduction Modes
3. Three phase full-converter with R-L-E load
4. MOSFET, IGBT based Choppers
5. IGBT based Single phase inverters
6. Single phase AC voltage controller
7. Modeling of PV system
8. Modeling of Wind Energy conversion System
9. Modeling of HVDC
10. Modeling of reactive power control

LCB