

## List of Experiment

Sr. No.	Aim of Experiment
1	To study about the Digital Control of Application to Power Electronics Circuits.
2	To design analog PWM for 1 $\Phi$ voltage source inverter.
3	To design and study Digital PWM for 1 $\Phi$ voltage source inverter.
4	To design and study of analog PI Current Controller.
5	To study the requirement of Digital Controller.
6	To study block diagram of the Digital current control loop with PI controller.
7	To design Discretization of the PI controller.
8	To study basic of space vector modulation.
9	To study block diagram of 3 $\Phi$ digital current controller in the dq reference frame.
10	To study the Organization of a 1 $\Phi$ UPS with digital control.
11	To study typical organization of a controlled rectifier.

### References :

1. Simone Buso, "Digital Control in Power Electronics"
2. Ned Mohan, Undeland & Robbins, "Power Electronics: Converters, Applications and Design"