

## **PERS SYNOPSIS**

- To familiarize with Passive and Active Components, Resonance Circuits, Filter Circuits,
- Semiconductor Physics.
- Power Electronics Devices and their characteristics.
- Uncontrolled & Controlled Rectifiers.
- Inverters and PWM Drives.
- Application of Power Electronics in 3 Phase Locomotives and IR coaches.  
Hotel Load Converter and recent developments.