

**Prof Incharge: Amit Kumar Jain, IITD**

**Topic Name: Inverters**

1. Topic outline :

1-Ph and 3-Ph Voltage Source Inverters; PWM Techniques: square wave mode, selective harmonic elimination, Sine Triangle PWM, Space Vector PWM Multilevel Converters: Types, Basics of diode clamped three-level converter. Basics of Current source Inverter.

2. Relevant Course: Hydraulics & Hydraulic Machinery

3. Pre-requisite : Basic Power Electronics

4. Relevant Semester : NA

5. Relevant Department: Electrical Engineering.