

EE-433 (Advance Power Electronics & Drive Lab)

L-T-P: 0-0-3

- 1.** Study of advance PWM Technique
- 2.** Study & analysis 3- Phase Inverter
- 3.** Study & analysis DC- DC Converter
- 4.** Study and training on power supplies SMPS
- 5.** Study & analysis of STATCOM
- 6.** Study and training on power supplies UPS
- 7.** Study & performances analysis of vector control of Induction Motor drive
- 8.** Study & performances analysis of direct torque control (DTC) of induction motor drive
- 9.** Study & performances analysis of permanent magnet synchronous motor (PMSM) drive
- 10.** Study & performances analysis of switched reluctance motor drive
- 11.** Study & performance evaluation of different FPGA based controller for DC motor
- 12.** Study & performance evaluation of DSP based control of AC drives
- 13.** Study of solar PV based AC system
- 14.** Study and training on PLC based Automation for motor control.