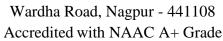
Tulsiramji Gaikwad-Patil College of Engineering and Technology





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Department of Electrical Engineering

M.Tech Integrated Power System

Course Name MIP1103: Advanced Power Electronics

MIP1103	Course Outcomes
CO1	Analyze the driver circuit of different power semiconductor devices along with its characteristics and protection schemes.
CO2	Analyze the operation of single and three phase ac-ac voltage controllers with cycloconverters and Matrix converters, application of ac-ac converters.
CO3	Design the circuit transformer version of buck converters, buck-boost converter with applications.
CO4	Analyze various Resonant and soft switching converters, ZCR, ZVR switches with its applications.
CO5	Evaluate selective harmonic elimination, analyze single-phase VSI, Three-phase VSI with SPWM, SVPWM.