



Yashoda Shikshan Prasarak Mandal's
Yashoda Technical Campus

Approved by AICTE Delhi/ Govt. of Maharashtra
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Faculty of Polytechnic



DEPARTMENT OF ELECTRICAL ENGINEERING

Class: SY

Academic Year: 2024-25

Sem: Even

Subject: Utilization of Electrical Energy(314323)

Program Outcome:

PO1: Basic and Discipline specific knowledge: Apply knowledge of basic mathematics, science and engineering fundamentals and engineering specialization to solve the engineering problems.

PO2: Problem analysis: Identify and analyse well-defined engineering problems using codified standard methods.

PO3: Design/ development of solutions : Design solutions for well-defined technical problems and assist with the design of systems

PO4: Engineering Tools, Experimentation and Testing: Apply modern engineering tools and appropriate technique to conduct

PO5: Engineering practices for society, sustainability and environment: Apply appropriate technology in context of society,

PO6: Project Management: Use engineering management principles individually, as a team member or a leader to manage projects

PO7: Life-long learning: Ability to analyse individual needs and engage in updating in the context of technological changes.

Program Specific Outcomes

PSO1: Electrical Equipment: Maintain various types of rotating & Static Electrical Equipment

PSO2: Electrical Power System: Maintain different types of electrical power system

Course Outcome:

E314323_a	Design simple lighting scheme.
E314323_b	Select type of electric furnaces according to applications
E314323_c	Operate the different electric welding system
E314323_d	Select suitable electric drive for a particular application
E314323_e	Maintain different electric traction system.

CO-PO Mapping

Course Outcome	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PSO1	PSO2
E314323_a	3	1	3	2	3	2	3	-	-
E314323_b	3	2	3	2	2	3	3	2	2
E314323_c	3	1	2	3	3	2	3	2	2
E314323_d	3	3	1	1	3	3	3	2	2
E314323_e	3	1	3	3	3	1	3	-	-
Average of PO	3.00	1.60	2.40	2.20	2.80	2.20	3.00	2.00	2.00
Average of PO Mapping in %	100.00	53.33	80.00	73.33	93.33	73.33	100.00	66.67	66.67

Subject In-charge

Academic Coordinator

H.O.D.
Electrical Polytechnic
YSPM's YTC, Satara

Vision of Program

To empower the students abilities of academic, technical and professional competence in the field of Electrical Engineering and to nature them in the developing areas to help the society.

Mission of Program

M1: To provide adequate knowledge in the field of Electrical Engineering to take the real time Challenges with professional skills.

M2: To improve continuous learning skills to meet employability objectives.

M3: To communicate through technical skills to meet employability objectives.