



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  
Sem: ODD

Academic Year: 2024-25  
Subject: Electrical Circuit & Netwrk(313332)

**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 Spaecific Otcomes**

- PSO1: Electrical Equipment: Maintain various types of rotating & Static Electrical Equipment
- PSO2: Electrical Power System: Maintain different types of electrical power system

**Course Outcome:**

E313332_a	Analyze the parameters of single-phase AC series circuits.
E313332_b	Analyze the parameters of single-phase AC parallel circuits.
E313332_c	Analyze the parameters of polyphase AC circuits.
E313332_d	Apply network reduction methods to solve DC circuits.
E313332_e	Apply network theorems to solve basic electrical circuits.

**CO-PO Mapping**

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

Subject In-charge

Academic Coordinator

HOD  
H.O.D.  
Electrical Polytechnic

**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 strong ethical qualities between students for helping the society.