



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: Electrical Substation Practices (Elective-II)**

**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, sustainability, environment and ethical practices

**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 Spaeific 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:**

E22420_a	Follow safety rules for Substation.
E22420_b	Maintain substation earthing and neutral grounding.
E22420_c	Maintain the Sub-station Equipment and Bus bar layout
E22420_d	Interpret single line diagram of substation.
E22420_e	Maintain Gas insulated Substation

**CO-PO Mapping:**

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2
E22633 a	2	1	-	2	-	2	1	-	1
E22633 b	3	2	-	2	-	2	1	-	1
E22633 c	3	2	-	2	-	2	1	-	1
E22633 d	3	2	-	2	-	2	1	-	1
E22633 e	3	2	-	2	-	2	1	-	1
Average of PO	2.80	1.80		2.00		2.00	1.00		1.00
Average of PO Mapping in %	93.33	60.00		66.67		66.67	33.33		33.33

*[Signature]*  
Course Coordinator

*[Signature]*  
Academic Coordinator

*[Signature]*  
HOD

**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.