



Yashoda Shikshan Prasarak Mandal's  
**Yashoda Technical Campus**

Approved by AICTE Delhi/ Govt. of Maharashtra  
NH-4, Wadhe, Satara 415011  
Email : principalpoly\_ytc@yes.edu.in Call: 02162-271238/39 Mob. 9172220775  
Faculty of Polytechnic



**DEPARTMENT OF ELECTRICAL ENGINEERING**

Class: TY  
Sem: Even

Academic Year: 2024-25  
Subject: Electrical Estimating and Contracting (22627)

**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 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:**

E22627_a	Interpret various electrical diagrams.
E22627_b	Prepare estimate of domestic and commercial electrical installations.
E22627_c	Prepare estimate of industrial electrical installations.
E22627_d	Prepare estimate of overhead and underground distribution lines.
E22627_e	Prepare estimate of public lighting installations.
E22627_f	Prepare quotation, tender and other related documents.

**CO-PO Mapping:**

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2
E22627_a	2	1	-	2	-	2	1	-	1
E22627_b	3	2	-	2	-	2	1	-	1
E22627_c	3	2	-	2	-	2	1	-	1
E22627_d	3	2	-	2	-	2	1	-	1
E22627_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.