

Department of Electrical & Electronics Engineering

Programme Educational Objectives (B.Tech. – EEE)

Graduates are able to

- PEO 1: Engage in ongoing learning and professional development through self-study, continuing education in Electrical & Electronics Engineering and also in other allied fields.
- PEO 2: Apply their engineering skills, exhibiting critical thinking and problem solving skills in professional engineering practices or tackle social, technical and business challenges.
- PEO 3: Adopt ethical attitude and exhibit effective skills in communication, management, teamwork and leadership qualities.

Programme Outcomes (B.Tech. – EEE)

At the end of the Programme, a graduate will be able to

- PO 1: Apply the knowledge of basic sciences and fundamental engineering concepts in solving engineering problems.
- PO 2: Identify and define engineering problems, conduct experiments and investigate to analyze and interpret data to arrive at substantial conclusions.
- PO 3: Propose an appropriate solution for engineering problems complying with functional constraints such as economic, environmental, societal, ethical, safety and sustainability.
- PO 4: Perform investigations, design and conduct experiments, analyze and interpret the results to provide valid conclusions.
- PO 5: Select/develop and apply appropriate techniques and IT tools for the design & analysis of the systems.
- PO 6: Give reasoning and assess societal, health, legal and cultural issues with competency in professional engineering practice.
- PO 7: Demonstrate professional skills and contextual reasoning to assess environmental/societal issues for sustainable development.
- PO 8: Demonstrate Knowledge of professional and ethical practices.
- PO 9: Function effectively as an individual, and as a member or leader in diverse teams, and in multi-disciplinary situations.
- PO 10: Communicate effectively among engineering community, being able to comprehend and write effectively reports, presentation and give / receive clear instructions.
- PO 11: Demonstrate and apply engineering & management principles in their own / team projects in multidisciplinary environment.
- PO 12: Recognize the need for, and have the ability to engage in independent and lifelong learning.

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PEOs & POs Mapping

Programme Educational Objectives (PEOs)	Programme Outcomes (POs)											
	1	2	3	4	5	6	7	8	9	10	11	12
1	2	2	-	2	2	3	-	3	-	2	1	3
2	3	3	3	3	3	-	1	1	-	-	2	-
3	-	-	2	-	-	3	3	-	3	3	2	-

* 3 – Strongly Correlating; 2 – Moderately Correlating & 1 – Weakly Correlating

HOD-EEE