

B.Tech Electrical & Electronics Engineering

Programme Educational Objectives

PEO I:

Excel in chosen career and/or higher education with technical competence

PEO II:

Demonstrate multidisciplinary skills and professional ethics in relating engineering issues to broader societal context

PEO III:

Work effectively as an individual and team member with good managerial and communication skills

PEO IV:

Engage in lifelong learning to maintain and enhance professional skills

Programme Outcomes

Graduate will be able to

- a) Apply mathematics, basic sciences and electrical engineering fundamentals to solve technical problems with the background of multi-disciplinary knowledge
- b) Identify, formulate, research literature and analyse complex electrical and electronics engineering problems attaining reasonable conclusions using fundamentals of mathematics, basic and engineering sciences
- c) Design solutions for complex electrical and electronics engineering problems and the process to attain the specified solutions with societal, environmental and safety considerations
- d) Bring out alternate solutions using research based knowledge and methodology
- e) Create, select and apply modern tools to carryout complex electrical and electronics engineering activities with an understanding of the limitations
- f) Apply contextual knowledge in professional engineering practice to enhance the society in the aspects of economy, health, safety, legal and culture
- g) Understand the impact of engineering solutions on the environment to mitigate any ill effects and ensure sustainability of the solutions arrived.
- h) Apply ethical principles and commit to professional ethics, responsibilities and norms of the engineering practice
- i) Function effectively as an individual and as a member or leader in diverse and multi-disciplinary teams
- j) Communicate effectively on complex engineering activities with the engineering community and with society at large
- k) Administer and regulate projects subjected to financial personnel and time constraints
- l) Engage in lifelong learning to adopt or develop the technological advancements to meet the growing and changing societal needs