

Programme Educational Objectives (PEO's) of M.Tech (ECE)

After quite-a-few years of completing M Tech (ECE), the students will:

- PEO1** Work in educational, R&D institutes, Industry and as an Entrepreneur in Electronics & Communication Engineering field.
- PEO2** Pursue their doctoral studies and research in the institutes of high repute in India & abroad and develop independent and lifelong learning skills for continuous professional development.
- PEO3** Analyze the technical problems and develop feasible, optimal, environmentally and socially acceptable solutions by applying research skills, technical knowledge and modern tools while working individually and in teams.
- PEO4** Demonstrate an ability to communicate effectively and practice professional ethics and social responsibility in their career.

PROGRAMME OUTCOMES (PO's) OF M. Tech. (ECE)

After completing M Tech (ECE), the students will have

S. No.	Graduate Attributes	Program Outcomes (PO's)
1.	GA1: Scholarship of knowledge	PO1:An ability to discriminate, evaluate, analyze & synthesize the existing and new knowledge of electronics and communication engineering and to integrate the same for enhancement of knowledge
2.	GA2: Critical Thinking	PO2:An ability to analyze a problem and formulate intellectual & creative framework for conducting research for its solution in a theoretical, practical and policy context.
3.	GA3: Problem Solving	PO3:An ability to evaluate alternative solution of an electronics & communication engineering related problem to find the feasible and optimal solution with appropriate consideration for public health and safety, cultural, societal and environmental issues.
4.	GA4: Research Skill	PO4:An ability to use research based techniques and skills including literature survey, experiments, research methodologies, analysis and interpretation of data and development of scientific/technical knowledge to provide valid conclusions by contributing individually or in groups.
5.	GA5: Usage of Modern tools	PO5:An ability to develop appropriate models, techniques, skills using modern engineering & software tools for solving electronics & communication engineering problems.
6.	GA6: Collaborate Multidisciplinary Work	PO6:An ability to perform effectively in diverse and Multidisciplinary teams as a member / leader and take objective & rational decisions to achieve common goals.

7.	GA7: Project Management and Finance	PO7:An ability to comprehend and apply engineering and management principles to manage individual and team projects with appropriate consideration to economical & financial aspects.
8.	GA8: Communication	PO8:An ability to Communicate effectively, clearly and confidently with a range of audience through oral and written presentations.
9.	GA9: Life-long learning	PO9:An ability to recognize the need for and engage in continuous professional development and life-long learning
10.	GA10: Ethical Practices and Social Responsibility	PO10:An understanding of professional, ethical, intellectual issues, practices, and social responsibilities as a researcher and member of society.
11.	GA11: Independent and Reflective Learning	PO11:An ability for critical self-analysis and self-correction.