

Electronics and Telecommunication

Program Outcomes [PO]

Students graduating from the Department of Electronics & Telecommunication Engineering will be expected and prepared to exercise the skills and abilities (1) through (12) listed in the Program Outcomes given below along with the Program specific outcomes (PSO):

- 1. Engineering Knowledge:** To gain and apply the knowledge of mathematics, allied sciences and engineering fundamentals to solve problems in engineering.
- 2. Problem Analysis:** Ability to identify, formulate and analyze problems in engineering and conduct experiments to reach to valid conclusions.
- 3. Investigation of complex problems:** Ability to carry out research, apply research methodologies, interpreting and analyzing data to solve complex engineering problems.
- 4. Experimentation:** Ability to carry out experimentation, analyzing/interpreting the results and derive appropriate conclusions to attain the objectives pertaining to Electronics & Telecommunication Engineering and allied branches of engineering.
- 5. Modern tool usage:** To select and use appropriate modern engineering software and hardware tools and techniques in Electronics & Telecommunication Engineering and allied branches of engineering.
- 6. Design and Development:** Ability to analyze, design and develop solutions to meet specific requirements in multidisciplinary projects.
- 7. Product management:** Demonstrate knowledge and understanding of engineering and management principles to manage effective solutions in multi-disciplinary environments.
- 8. Individual and team work:** Ability to function effectively as an individual member or leader in diverse teams in fulfilling career objectives.
- 9. Communication skill:** Ability to communicate effectively with the engineering community and society at large with skills in written/oral forms, design documentations, write effective reports and make effective presentations.
- 10. Social and ethical responsibility:** Ability to use engineering knowledge for social development by adhering to ethical principles and commitment to professional ethics.
- 11. Environment and sustainability:** Ability to understand the impact of engineering solutions in societal and environmental contexts for sustainable development.
- 12. Life-long learning:** Ability to recognize the need for, and have the preparation to engage in life-long learning to cope up with technological changes.