

VISION

- ❖ To create high quality graduate engineers in Information Technology.

MISSION

- ❖ To offer a high-quality instructional environment coupled with exposure to practicals and opportunities to create fully-equipped IT professionals.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

1. Graduates would have the ability to establish themselves as practicing professionals in Information Technology or a related field.
2. Graduates would have the ability to pursue graduate study in Information Technology or other fields.

Graduates would have the ability to work effectively as responsible professionals alone or in teams handling increasingly complex professional and societal expectations.

PROGRAM SPECIFIC OUTCOMES (PSOs)

1. An ability to apply knowledge of computing and algorithms appropriate to the problems.
2. An ability to apply knowledge of operating systems, programming languages, data management, or networking principles to IT-related problems.
3. An ability to apply design, development, maintenance or evaluation of software engineering principles in the construction of IT systems of varying complexity and quality.
4. An ability to understand concepts involved in modeling and design of IT-related applications in a way that demonstrates comprehension of the fundamentals and tradeoffs involved in design choices.

PROGRAM OUTCOMES (POs)

Engineering Graduates will be able to:

- 1. Engineering knowledge:** Apply the knowledge of mathematics, science and computing in the core information technologies.
- 2. Problem analysis:** Identify, design, and analyze complex computer systems and implement and interpret the results from those systems.
- 3. Design/development of solutions:** Design, implement and evaluate a computer-based system, or process component, to meet the desired needs within the realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
- 4. Conduct investigations of complex problems:** Review literature and indulge in research using research based knowledge and methods to design new experiments, analyze, and interpret data to draw valid conclusions.
- 5. Modern tool usage:** Select and apply current techniques, skills, and tools necessary for computing practice and integrate IT-based solutions into the user environment effectively.
- 6. The engineer and society:** Apply contextual knowledge to assess professional, legal, health, social and cultural issues during profession practice.
- 7. Environment and sustainability:** Analyze the local and global impact of computing on individuals, organizations, and society.
- 8. Ethics:** Apply ethical principles and responsibilities during professional practice.
- 9. Individual and team work:** Function effectively as a team member or a leader to accomplish a common goal in a multidisciplinary team.
- 10. Communication:** Communicate effectively in speech and in writing, including documentation of hardware and software systems.
- 11. Project management and finance:** Apply the knowledge of engineering and management principles to manage projects effectively in diverse environments as a member or a leader in the team.
- 12. Life-long learning:** An ability to recognize the importance of professional development by pursuing postgraduate studies or face competitive examinations that offer challenging and rewarding careers in computing.