

INFORMATION SCIENCE AND ENGINEERING

VISION

To be a globally reputed Information Science and Engineering Department with competent students and faculty who make significant difference to industry and society through their contributions

MISSION

- To build faculty Team with industry and academic exposure capable of empowering and equipping students with necessary domain knowledge
- To prepare students for a global career in computing by enriching the curriculum with a blend of theory and practice
- To develop industry relevant technical and communication skills with cross-cultural sensitivity through training programs vibrant student clubs and Internships
- To engage with industry and institutes of repute and collaborate in academics, research and development involving faculty and students

PEO of the Department

- **PEO1:** Graduates will be competent with a strong foundation in engineering, science, technology and modern tools to be successful in their career in industry.
- **PEO2:** Graduates will be equipped with knowledge and skills required to analyze, design, implement and test software solutions for real world problems.
- **PEO3:** Graduates will demonstrate the traits of team builders and players with strong communication and interpersonal skills.
- **PEO4:** Graduates will be groomed to manage and lead teams by instilling innovative approach and life – long learning traits in them.
- **PEO5:** Graduates will portray ethical and socially responsible behavior.

PSO of the Department

- Implement and maintain enterprise solutions using latest technologies
- Develop and simulate wired and wireless network protocols for various network applications using modern tools
- Apply the knowledge of information technology and software testing to maintain legacy systems
- Apply knowledge of web programming and design to develop web based applications using database and other technologies.

VISION

To be a nationally acclaimed and globally recognized institute of engineering, technology and management producing competent professionals with appropriate attributes to serve the cause of the nation and society at large

MISSION

- > Create necessary infrastructure appropriate to the needs of the programmes and activities of the institution
- > Attract and retain well-qualified faculty and supporting staff
- > Create and facilitate an ambience for interdisciplinary engagement leading to a healthy competition among the students and staff in pursuit of excellence through lifelong learning
- > Develop and operate mutually beneficial programs partnering with industries, institutes and individuals of national and international repute
- > Create mechanisms to understand the societal needs and provide solutions for the betterment of the society

PROGRAM OUTCOMES

1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
2. Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.
3. Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. Environment and sustain ability: understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice
9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multi disciplinary settings.



PRACTICAL RECORD BOOK

Name: PUNHAJEET DAS
USN: 16CR183001 Semester: 7th Section: B
Branch: I E E
Laboratory: AI/M/L