VISION AND MISSION OF THE INSTITUTION

Vision

Become a globally recognized research and academic institution and thereby contribute to technologicaland socio-economic development of the nation

Mission

To foster a culture of excellence in research, innovation, entrepreneurship, rational thinking and civility by providing necessary resources for generation, dissemination and utilization of knowledge and in the process create an ambience for practice-based learning to the youth for success in their careers.

VISION AND MISSION OF THE DEPARTMENT

Vision

To excel in technical education and research in area of Computer Science & Engineering and to provide expert, proficient and knowledgeable individuals with high enthusiasm to meet the societal challenges.

Mission

M1: To provide an open environment to the students and faculty that promotes professional and personal growth.

M2: To impart strong theoretical and practical background across the computer science discipline with an emphasis on software development and research.

M3: To inculcate the skills necessary to continue their education after graduation, as well as for the societal needs.

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

The B. Tech CSE graduates will be able to:

PEO1: Gain successful professional career in IT industry as an efficient software engineer.

PEO2: Succeed in Masters/Research programmes to gain knowledge on emerging technologies in Computer Science & Engineering.

PEO3: Grow as a responsible computing professional in their own area of interest with intellectual skills and ethics through lifelong learning approach to meet societal needs.

PROGRAMME OUTCOME (POs)

A graduate of Computer Science and Engineering Programme will have an ability to:

PO1: Apply knowledge of computing, mathematical foundations, algorithmic principles as applicable to solve engineering problems.

PO2: Identify a problem, analyze, formulate and use the appropriate computing and engineering requirements for obtaining its solution.

PO3: Address the challenges of complex and computation intensive problems, design, implement and evaluate a computer-based system to meet societal needs, within realistic constraints such as economic, environmental, political, sustainability, health and safety.

PO4: Demonstrate useful techniques, skills to analyze and investigate complex problems through research and effectively utilize appropriate software tools to solve it.

PO5: Create modern applications and apply appropriate techniques with the use of available resources and software tools for analyzing and solving various Computer Science and Engineering problem.

PO6: Possess sustainable, inclusive technology for societal and environmental contexts.

PO7: Identify with the impact of professional engineering solutions in environmental contexts and the need for sustainable development.

PO8: Apply knowledge on professional and ethical responsibilities.

PO9: Function effectively as an individual or in multi-disciplinary teams with the capacity to be a leader.

PO10: Create technical reports, professional presentations and communicate effectively on complex engineering activities, with a range of audience.

PO11: Demonstrate project management and financial skills with professional ethics and to apply knowledge on contemporary issues in various software engineering problems.

PO12: Engage in continuing professional development and recognizing the need for life-long learning.