

Learning Essentials

of

Department of Information Technology

Vision – Mission: Dept. of IT

Vision

- To create technical manpower of global standards with capabilities of accepting new challenges in the field of Information Technology to serve the society.

Mission

- To make our students technically superior and ethically strong to provide cost effective solution for the fast evolving IT environment. Our endeavor will be to provide all possible support to promote research and development activities.

Program Educational Objective (PEO)

PEO1: To prepare students to excel in graduate school or technical careers through a world-class, rigorous and competitive program.

PEO2: To train students across the spectrum of basic and applied science, recognizing and exploiting common descriptions in disparate systems.

PEO3: To train students with sufficient scientific and engineering breadth to design and create novel solutions to real-life problems in engineering systems.

PEO4: To develop in students professional and ethical attitudes, effective communication and teamwork skills, and an ability to place science and engineering issues and solutions within the broader societal context.

PEO5: To provide students with an academic environment committed to excellence and innovation that contributes for developing role ready individual with leadership, professionalism, and life-long learning for professional careers.

Program Outcome

- **PO#1:Engineering Knowledge:** Our Graduates will demonstrate basic knowledge in Mathematics, Science and Information Technology fundamental.
- **PO#2:Problem Analysis:** Our Graduates will demonstrate the ability to design, develop and test systems corresponding to real life problems in the field of Information Technology under consideration including the physical models, interpret and analyze data, and report results and use experimental results for further expansion.
- **PO#3:Design/Development of Solutions:** Our Graduates will demonstrate the ability to design a digital system or a computational system or a process that meets demand driven specifications and requirements in Information Technology and research areas.
- **PO#4:Conduct Investigations of Complex Problem:** Our Graduates will have the ability to identify, formulate and solve service oriented architectural problems in computing domain.
- **PO#5:Modern Tool Usage:** Our Graduates will be familiar with state-of-the-art software tools and to analyze relevant engineering problems.
- **PO#6:The Engineer and Society:** Our Graduates will be broadly educated and will have an understanding of the impact of Information Technology on society and demonstrate awareness of contemporary and emergent issues.

Program Outcome

- **PO#7: Environment and Sustainability:** Our Graduates will have the confidence to apply Information Technology oriented solutions in global and societal contexts.
- **PO#8: Ethics:** Our Graduates will demonstrate an understanding of their professional and ethical responsibilities.
- **PO#9: Team Work:** Our Graduates will foster team spirit and elevate the enthusiasm in teamwork-concept of sharing in demonstrating their ability in technological solution as a part of specialized engineering and science laboratory teams, as well as on multidisciplinary design teams.
- **PO#10: Communication:** Our Graduates will be able to communicate effectively in both verbal and written forms.
- **PO#11: Project Management and Finance:** Understand the Information Technology and management principles and apply these to one's own work as a member and leader of a team to manage projects and in multidisciplinary environment.
- **PO#12: Life-long Learning:** Graduates should be capable of self-learning and clearly understand the value of lifelong learning.