GAYATRI VIDYA PARISHAD COLLEGE OF ENGINEERING
(Autonomous)
(Approved by AICTE, Affiliated to JNTU-Kakinada)
Re-Accredited by NAAC with 'A' grade with a CGPA of 3.47/4.00
Madhurawada, Visakhapatnam – 530 048

DEPARTMENT OF INFORMATION TECHNOLOGY

Vision of the Department

To become a leading Center of Learning and Research in the field of Information Technology.

Mission of the Department

- To produce high quality technocrats with original thinking and self-reliance in the application of Information Technology.
- To foster collaborative research and development activities in thrust areas of Information Technology.
- To serve the society with high standards of professional ethics, values and accountability.

Programme Educational Objectives

After 3 to 5 Years of graduation, a graduate will be able to

PEO1: Excel in information technology industry, academia and public organization.

PEO2: Analyze problems in various domains and design computing systems with appropriate engineering techniques and tools.

PEO3: Practice the profession with ethical values, effective communication and team work.

PEO4: Adapt to changing technology trends through lifelong learning.

Programme Outcomes

A graduate of Information Technology will be able to

PO1: Apply the knowledge of mathematics, science, engineering fundamentals and principles of Information Technology to solve problems in different domains.

PO2: Analyze a problem, identify and formulate the computing requirements appropriate to its solution.

PO3: Understand to design, develop and evaluate software components and applications that meet specifications within the realistic constraints including cultural, societal and environmental considerations.

PO4: Design and conduct experiments, as well as analyze and interpret data

PO5: Use appropriate techniques and tools to solve domain specific interdisciplinary problems.

PO6: Understand the impact of Information technology on environment and the evolution and importance of green computing.

PO7: Analyze the local and global impact of computing on individual as well as on society and incorporate the results in to engineering practice.

PO8: Demonstrate professional ethical practices and social responsibilities in global and societal contexts.

PO9: Function effectively as an individual, and as a member or leader in diverse and multidisciplinary teams.

PO10: Communicate effectively with the engineering community and with society at large.

PO11: Understand engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects.

PO12: Recognize the need for updating the knowledge in the chosen field and imbibing learning to learn skills.

Programme Specific Outcome (PSOs)

At the end of the Programme, a student will be able to

PSO1: Plan, develop, implement and evaluate IT solutions to specific business problems using specific programming language and software tools.

PSO2: Design and Develop Network, Mobile and Web-based Computational systems under realistic constraints.

PSO3: Design and implement fundamental network security solutions.