



DHIRAJLAL GANDHI COLLEGE OF TECHNOLOGY,
Salem-636 309
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

PROGRAMME EDUCATIONAL OBJECTIVE

- To enable the students to become fundamentally strong in the mathematical, scientific and engineering concepts needed to succeed in industry and society.
- To provide the students with a solid foundation in computer science with opportunity to constantly learn and update the knowledge in the emerging fields of technology.
- To facilitate experimental learning of the students to analyze, design, implement, test and administer computer-based solutions to the real world problems aligned with the industry expectations.
- To inculcate soft skills such as communication, team work, leadership qualities, professional and ethical values and an ability to apply the acquired skills to address the societal issues.
- To provide students with an academic environment conducive for life-long learning needed for a successful professional career.

PROGRAMME OUTCOME

- a) To apply knowledge of mathematics, science, engineering fundamentals and computer science theory to solve the complex problems in Computer Science and Engineering.
- b) To analyze problems, identify and define the solutions using basic principles of mathematics, science, technology and computer engineering.
- c) To design, implement, and evaluate computer based systems, processes, components, or software to meet the realistic constraints for the public health and safety, and the cultural, societal and environmental considerations.
- d) To design and conduct experiments, perform analysis & interpretation and provide valid conclusions with the use of research-based knowledge and research methodologies related to Computer Science and Engineering.
- e) To propose innovative original ideas and solutions, culminating into modern engineering products for a large section of the society with longevity.
- f) To apply the understanding of legal, health, security, cultural & social issues, and thereby ones responsibility in their application in Professional Engineering practices.
- g) To understand the impact of the professional engineering solutions in societal and environmental issues, and the need for sustainable development.

- h) To demonstrate integrity, ethical behavior and commitment to code of conduct of professional practices and standards to adapt to the technological developments of revolutionary world.
- i) To function effectively as an individual, and as a member or leader in diverse teams, and in multifaceted environments.
- j) To communicate effectively to end users, with effective presentations and write comprehends technical reports and publications representing efficient engineering solutions.
- k) To understand the engineering and management principles and their applications to manage projects to suite the current needs of multidisciplinary industries.
- l) To learn and invent new technologies, and use them effectively towards continuous professional development throughout the human life.

PROGRAMME SPECIFIC OUTCOME

- Graduates with an interest in, and aptitude for, advanced studies in computing will have completed, or be actively pursuing, graduate studies in computing.
- Graduates will be informed and involved members of their communities, and responsible engineering and computing professionals.