

PROGRAM EDUCATIONAL OBJECTIVES:

Bachelor of Technology in Information Technology curriculum is designed to prepare the graduates having attitude and knowledge to:

1. Have successful professional and technical career in Information Technology
2. Have core competence in basic engineering and mathematics to formulate, analyze, and solve hardware / software engineering problems.
3. Train student community with good knowledge in core areas of Information Technology and related engineering so as to analyze, design, and synthesize data and technical concepts to produce novel solutions for the real life problems.
4. To inculcate in students to maintain high professionalism and ethical standards, effective oral and communication skills, to work as part of teams on multidisciplinary projects and diverse professional environment.
5. Practice and inspire high ethical values and technical standards

PROGRAM OUTCOMES:

- a) An ability to apply knowledge of mathematics, including discrete mathematics, probability, statistics, science, computer science and engineering, electronic engineering and electrical engineering as it applies to computer hardware and software.
- b) An ability to design and conduct experiments, as well as to organize, analyze and interpret data to produce meaningful conclusions and recommendations.
- c) Ability to understand and apply programming principles in real time applications and also in the field of communication systems to provide better Information Technology based solution.
- d) An ability to work individually or as a member with responsibility to function on multidisciplinary teams.
- e) Ability to understand and apply computational platforms and software tools for Information Technology applications
- f) Ability to understand ethical and professional responsibilities
- g) Ability to review, comprehend and report technological development in Information Technology
- h) An ability to recognize the importance of professional development by pursuing postgraduate studies or face competitive examinations that offer challenging and rewarding careers in computing.

PROGRAM SPECIFIC OUTCOMES:

PSO1: Ability to apply the core principles of information technology in the design and modelling of the system.

PSO2: Ability to analyse and develop software in the current and emerging domains with the aid of open and proprietary tools to meet the desired need in research and real-time environment