

B.Sc. (Information Technology)

Program Educational Objectives (PEOs)	
The B.Sc. Information Technology programme describe accomplishments that graduates are expected to attain within five to seven years after graduation	
PEO1	To obtain in-depth knowledge of software and hardware techniques, which provide a compact foundation to pursue continuing education and nurture the talent for innovation and research.
PEO2	To Engage in the Information Technology related Profession locally and globally by contributing ethically to the competent and professional practices.
PEO3	To enable Graduates will be skilled in the use of modern tools for critical problem solving and analyzing industrial and societal requirements
PEO4	To train the graduates in diversified and applied areas with analysis, design and synthesis of data to create novel products and solutions to meet current industrial and societal needs.
PEO5	To nurture talent in leadership qualities, at levels appropriate to their experience, which addresses issues in a responsive, ethical, and innovative manner.

Program Specific Outcomes (PSO)	
After the successful completion of B.Sc. Information Technology programme, the students are expected to	
PSO1	Develop an ability to communicate effectively with a range of audiences. Develop written and oral presentations of information technology solutions appropriate for a wide range of audiences.
PSO2	Develop and analyze quality computer applications by applying knowledge of software engineering, algorithms, programming, databases and networking.
PSO3	The graduates of the Program will be prepared to achieve their career goals in the software industry or pursue higher studies and enhance their professional knowledge
PSO4	To identify and utilize the state-of-the-art tools and techniques in the design and development of software products and solutions.
PSO5	Practical experience in shipping real world software, using recent industry standard tools and collaboration techniques will equip to secure and succeed in IT industry

Program Outcomes (POs)	
On successful completion of the B.Sc. Information Technology programme	
PO1	Disciplinary knowledge: Capable to apply the knowledge of mathematics, algorithmic principles and computing fundamentals in the modeling and design of computer based systems of varying complexity.
PO2	Scientific reasoning/ Problem analysis: Ability to critically analyze, categorizes, formulate and solve the problems that emerges in the field of computer science.
PO3	Problem solving: Able to provide software solutions for complex scientific and business related problems or processes that meet the specified needs with appropriate consideration for the public health and safety and the cultural, societal and environmental considerations.

PO4	Environment and sustainability: Understand the impact of software solutions in environmental and societal context and strive for sustainable development.
PO5	Modern tool usage: Use contemporary techniques, skills and tools necessary for Integrated solutions.
PO6	Ethics: Function effectively with social, cultural and ethical responsibility as an individual or as a team member with positive attitude.
PO7	Cooperation / Team Work: Function effectively as member or leader on Multidisciplinary teams to accomplish a common objective.
PO8	Communication Skills: An ability to communicate effectively with diverse Types of audience and also able to prepare and present technical documents to different groups.
PO9	Self-directed and Life-long Learning: Graduates will recognize the need for self-motivation to engage in lifelong learning to be in par with changing Technology.
PO10	Enhance the research culture and uphold the scientific integrity and objectivity