

COURSE OUTCOMES COMPUTER SCIENCE

- Study of Computer Fundamentals, Digital Circuits and Basic Electronics enables the students to describe the usage of computers, why computers are essential components in business and society and identify categories of programs, system software and applications.
- Computer Networks and Data Communication helps the students to utilize the Internet Web resources, evaluate on-line e-business system and solve common business problems using appropriate Information Technology applications. It also gives the knowledge to distinguish various types of network standards and communication software.
- Study of Numerical Analysis and Discrete Mathematics helps to apply algorithmic, mathematical and scientific reasoning to a variety of computational problems.
- Study of Software Engineering helps to gather requirements, design correctly, implement and document solutions to significant computational problems and analyze performance standards.
- Data Structure and Algorithm helps to analyze and compare alternative solutions to computing problems.
- Study of Computer Organization, helps to learn about the design of computers which includes both overall design, or architecture, and their internal details, or organization.
- Study of Operating System & System Software helps them to understand how operating system allows a computer's hardware components, including processors and drives, to communicate with its software components, such as applications and data instruction sets.
- Study of C language can be used for low-level programming, such as scripting for drivers and kernels and it also supports functions of high level programming languages, such as scripting for software applications etc.
- Study of 8085 Microprocessor helps the students to understand the design of personal computers as well as a number of other embedded products. They will understand and devise techniques for faster execution of instructions, improve speed of operations and enhance performance of microprocessors.
- Computer Graphics will help the students to design abstract, synthetic objects such as mathematical surface in 3D, animations, motion dynamics and update dynamics.
- Database Management System (DBMS) helps the students to understand how to handle huge volumes of data and multiple concurrent users, data integrity, consistency, security, and appreciable system performance.
- Study of UNIX helps students to create and manage simple file processing operations, organize directory structures with appropriate security, and develop shell scripts to perform more complex tasks, monitor system performance and network activities.
- Study of IOT acquire a solid understanding of IoT concepts, architectures, and communication protocols, coupled with hands-on skills in designing and managing IoT solutions. Practical Proficiency: Develop technical competence in programming, data management, security implementation, and integration with cloud services, enabling the design and deployment of real-world IoT applications.
- Attain proficiency in Python programming, covering syntax, data structures, and algorithms.
- Develop practical coding skills and the ability to create Python applications for diverse purposes, from web development to data analysis