

The program outcome of Computer Science

1. **Programming Skills:** Students will gain proficiency in programming languages, including syntax, semantics, and software development.
2. **Problem-Solving Skills:** Students will develop strong problem-solving skills, including the ability to analyze complex problems, identify key concepts, and apply relevant algorithms.
3. **Data Structures and Algorithms:** Students will understand data structures, algorithms, and software design patterns.
4. **Computer Systems:** Students will gain knowledge of computer architecture, operating systems, and networking fundamentals.
5. **Software Engineering:** Students will learn software engineering principles, including design, development, testing, and maintenance.
6. **Data Analysis and Visualization:** Students will develop skills in data analysis, interpretation, and visualization.
7. **Artificial Intelligence and Machine Learning:** Students will gain knowledge of AI and ML concepts, including neural networks, deep learning, and natural language processing.
8. **Web Development:** Students will learn web development frameworks, including front-end and back-end development.
9. **Database Systems:** Students will understand database concepts, including data modeling, normalization, and querying.
10. Students will be prepared for careers in software development, data science, AI, web development, Computer Graphics, Cyber Security, cloud computing and other fields related to computer science.