

**Department of Computer Science/Application**  
**B.A. Computer Science (N.E.P)**  
**Programme Outcome**

These outcomes reflect the knowledge and skills that students are expected to acquire during the course of their studies:

- ✓ **Problem Solving Skills:** Graduates should be able to analyze and solve complex problems using computational techniques and critical thinking.
- ✓ **Programming Proficiency:** Proficiency in programming languages and the ability to design, implement, and test software solutions.
- ✓ **Algorithmic Knowledge:** Understanding of fundamental algorithms and data structures, and the ability to apply them to solve computational problems.
- ✓ **Software Development Practices:** Knowledge of software development methodologies, tools, and practices, including version control, debugging, and testing.
- ✓ **Computer Systems Understanding:** Understanding of computer architecture, operating systems, and the ability to work with various hardware and software components.
- ✓ **Database Management:** Proficiency in designing and managing databases, including knowledge of relational database systems and SQL.
- ✓ **Networking Concepts:** Understanding of computer networks, protocols, and communication systems.
- ✓ **Web Development Skills:** Ability to design and develop web-based applications, including knowledge of web technologies such as HTML, CSS, JavaScript, and server-side scripting.
- ✓ **Cyber security Awareness:** Awareness of cyber security principles and practices to protect systems and data.
- ✓ **Software Engineering Principles:** Knowledge of software engineering principles, including software design, testing, and documentation.
- ✓ **Teamwork and Collaboration:** Ability to work effectively in a team, communicates technical ideas, and collaborates on group projects.
- ✓ **Ethical and Professional Conduct:** Understanding of ethical and professional responsibilities in the field of computer science.
- ✓ **Continuous Learning:** Recognition of the need for lifelong learning and the ability to adapt to evolving technologies in the field.
- ✓ **Effective Communication:** Ability to communicate technical information clearly and effectively, both orally and in writing.