



संगणक विज्ञान एवं अभियांत्रिकी विभाग  
मोतीलाल नेहरू राष्ट्रीय प्रौद्योगिकी संस्थान इलाहाबाद  
प्रयागराज – 211004, भारत  
Department of Computer Science & Engineering  
Motilal Nehru National Institute of Technology Allahabad  
Prayagraj-211004, India

## B.TECH (Computer Science & Engineering)

### Program Outcomes (POs):

Students in the B Tech CSE program will attain:

1. ability to apply knowledge of computing, mathematics, science, engineering and humanities.
2. ability to design and conduct experiments, as well as to analyze and interpret data.
3. ability to analyze a problem, identify and define the computing requirements appropriate to its solutions.
4. ability to use the techniques, skills, and modern engineering tools necessary for practice as a CSE professional.
5. ability to apply mathematical foundations, algorithmic principles, and computer science theory in the modeling and design of computer-based systems in a way that demonstrates comprehension of the tradeoffs involved in design choices.
6. ability to design, implement, and evaluate a software or a software/hardware system, component or process to meet desired needs within realistic constraints such as memory, run time efficiency.
7. understanding of professional, ethical, legal, political security and social issues and responsibilities.
8. ability to communicate effectively with knowledge of contemporary issues.
9. ability to analyze the local and global impact of computing on individuals, organizations, and society.
10. understanding of the need for acquiring an ability to engage in lifelong learning and continuing professional development.
  - Knowledge Outcome: pt. 1, 2 & 3.
  - Technical Outcome: pt. 4, 5 & 6.
  - Soft Skills Outcome: pt. 7, 8 & 9.
  - Behavioral Outcome: pt. 10.

### Program Educational Objectives (PEOs):

**Objective 1:** The graduates will apply and their knowledge and skills to succeed in their career and/or obtain an advanced degree.

**Objective 2:** The graduates will function ethically and responsibly, and will remain informed and involved as full participants in our profession and society.

**Objective 3:** The graduates will successfully function in multifaceted teams.

**Objective 4:** The graduates will apply basic principles and practices of computing grounded in mathematics, science and engineering to successfully complete hardware and/or software related engineering projects to meet professional business objectives and/or productively engage in research.