

Computer Science Engineering (CSE)

Computer Science Engineering (CSE) encompasses a variety of topics that relates to computation, like analysis of algorithms, programming languages, program design, software, and computer hardware.

Computer Science engineering has roots in electrical engineering, mathematics, and linguistics. In the past Computer Science was taught as part of mathematics or engineering departments & in the recent days it has emerged as a separate engineering field.

Computer science engineering (CSE) is one of the popular courses among engineering aspirants which focuses on the basic elements of computer programming and networking. Students pursuing computer science courses will gain knowledge of design, implementation and management of information system of both hardware and software. Going by the name, CSE course deals primarily with the theory of computation and design of computational systems. The course is offered across the globe in technical institutions at undergraduate as well as postgraduate levels awarding B.Tech and M.tech degrees, respectively.

The CSE department's many strengths include its high faculty-to-student ratio, state of the art facilities, renowned faculty, strong focus on undergraduate education balanced with leading-edge research, and emphasis on leadership, service, and ethics.

Graduates from the CSE department are heavily recruited by many top companies. Graduates take up careers in the computing industry, the finance industry, traditional large engineering companies, startup companies, management consulting companies, medical informatics companies, and government. Some of our top undergraduates each year enter the PhD program in Computer Science and Engineering at universities.

Careers

- **Software Developers** : Software developers are professionals who are concerned with facets of the software development process which involves activities such as design and coding, computer programming, project management, etc.
- **Hardware Engineers** : These professionals do research, design, develop, test, and oversee the installation of computer hardware which inter alia includes computer chips, circuit boards, systems, modems, keyboards, and printers.
- **System Designer** : Professionals involved in system designing, Logical & Physical Designing wherein logical designing can be enumerated as the structure & characteristics such as output, input, files, database & procedures, etc.

- **System Analyst :** Computer engineers who work as systems analyst do research about the existing problems and plan solutions for the problem. They also recommend software and system related problems and coordinate development between business development teams.
- **Networking Engineers :** Networking engineers are computer professionals involved in designing, implementation, and troubleshooting of computer networks.
- **DBA :** DBA or Database Administrator are the professionals who are bestowed with the job to design, implement, maintain, and repair an organization's database. Inter alia DBA professionals are also known as Database Coordinator or Database Programmer in IT sector.

Top Companies

- Google
- Yahoo
- Hewlett-Packard
- International Business Machines Corporation
- Toshiba Corporation
- Dell Inc
- NEC Corporation
- Canon Inc
- Apple Inc
- ASUSTEK Computer Inc
- Acer Inc
- Lenovo Group Limited
- SAIC
- Sun Microsystem
- TCS
- Infosys
- HCL
- Wipro
- Techmahindra