



VIT[®]
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

School of Computer Science and Engineering

B.Sc. Computer Science / B.Sc. (Honours) / B.Sc. (Honours with Research) Computer Science

About the Programme

Vellore Institute of Technology (VIT) recognizes that today's computer scientists are in high demand and have a range of expertise. It is yet another milestone in the history of VIT Chennai, introducing a new UG programme B.Sc. Computer Science / B.Sc. (Honours) / B.Sc. (Honours with Research) in Computer Science in the academic year 2023-24 with 2 specializations.

B.Sc. Computer Science (3 Years)

- VIT currently offers a B.Sc. Computer Science programme that gives a solid foundation in software development as well as a good knowledge of computer science.
- The B.Sc. Computer Science helps to develop a skill set in computing with strong programming and mathematics skills, as well as wide-ranging skills in software development, project management, and teamwork.

There are endless job opportunities in Artificial Intelligence and Data Science domains. It has become the backbone of many leading industries like Amazon, Microsoft, Apple, Google, Facebook, Intel, and many more. Hence, the B.Sc. program is designed with AI & ML and Data Science specializations.

B.Sc. Computer Science (Artificial Intelligence and Machine Learning) in Collaboration with Intel (3 Years)

- With Intel's collaboration, this specialized AI and ML curriculum has been crafted and Intel shares its Data-Centric Labs with VIT, allowing for a greater emphasis on research and innovation.
- Candidates who successfully finish the specialization courses will be awarded "B.Sc. Computer Science (Artificial Intelligence and Machine Learning)".

B.Sc. Computer Science (Data Science) (3 Years)

- Data Science jobs are becoming increasingly in high demand as big data technology industries grow in all aspects.
- This program will equip the candidates with the skill sets required to become a Data Science professional.

B.Sc. (Honours) / B. Sc. (Honours with Research) Computer Science (4 Years)

- Upon successful completion of three years of learning, a candidate can take up additional courses for ONE extended year and get a B.Sc. ***(Honours) / B. Sc. (Honours with Research) in Computer Science.***
- This in turn qualifies the candidate to be admitted for direct Ph.D. programs as well as could pursue PG programs joining directly in the second year.

Why B.Sc. Computer Science at VIT?

- VIT has been a forerunner in delivering quality education. Consistently ranked among the top educational institutes in the country, the VIT group of institutions has had a proud tradition of pursuing knowledge and excellence.
- VIT sets records in Placements and is linked with more than 700 companies.
- State-of-the-art facilities which include: research labs for AI&ML, Data Analytics, Cyber Security, Robotics, CPS, and Advanced Computing; a Computer Science reference library;
- Students are provided with the advanced infrastructure and guidance to undertake challenging industry and research projects to meet society's requirements.
- The B.Sc. curriculum framework comprises different courses to satisfy Industry demands.

Scope of Employment

The role of technical experts in emerging technologies continues to increase in IT-enabled Service Sectors.

- This program enables the graduates to place in different roles like Software Engineer, System Analyst, Data Scientist, Network Administrator, Information System Manager, and Full Stack Developer.
- Placement opportunities in leading software companies.

Programme Highlights

- ❖ Domain-specific elective courses to shape unique career paths.
- ❖ Industrial internships to gain more exposure to industrial standards and recent trends.
- ❖ Students are provided with advanced laboratory infrastructures such as Robotics, Cyber Physicals Systems, Augmented Reality & Virtual Reality, and much more. The laboratories are equipped with GPU-enabled i7 workstations.
- ❖ Guidance to undertake challenging industry and research projects to meet society's requirements.