School of Computer Science and Engineering
offers

Bachelor of Science in Computer Science

- No. 1 Private University for Innovation as recognized by **ARIIA, Govt. of India**
- Seven subjects of VIT are ranked by **QS Global World Ranking.**
- VIT is one among the top 10 in India and within 801-900 universities of the world as per **Shanghai ARWU**

NO ENTRANCE EXAMINATION
Admission based on 12th Board Marks

VIT – In the top 401-450 in Chemistry and in the top 451-500 in Mathematics of the QS World University Rankings by Subjects

VIT – Recognised as Institution of Eminence (IoE) by Government of India

Vellore Institute of Technology (VIT)

VIT has made a mark in the field of higher education in India by providing quality education on par with international standards, through its 37 years of existence in a cross-cultural ambience with extensive application-oriented research. VIT was founded in 1984, as a self-financing institution called Vellore Engineering College by Dr. G. Viswanathan, a former parliamentarian and minister in the Tamil Nadu Government. Since then, the institution has grown by leaps and bounds. Conferred as deemed to be a university in 2001 by MHRD, VIT currently offers UG, PG and Research programmes to over 52,000 students in its four campuses at Vellore, Chennai, Bhopal, and Amaravati.

VIT Chennai

VIT Chennai is a globally engaged, competitive, comprehensive and research-enriched university campus strategically positioned in the capital city of Tamil Nadu, to respond to major industrial, social, economic and environmental demands and challenges. It has been a pioneer in the transformation of higher education in the country by introducing application-based learning to produce industry-ready professionals. The campus has a cosmopolitan atmosphere with students from all parts of the globe.

The VIT Chennai Edge

Awards and Approvals	Amenities
- UGC, AICTE and BCI approved programmes. - NAAC re-accreditation with 'A' grade. - Recognized as an Institution of Eminence (IoE) by the Govt. of India. - No. 1 Private University for Innovation as recognized by ARIIA, Govt. of India. - Ranked among the Top 3% of the world's universities by QS Global World Rankings. - Ranked among the top 201-300 universities in the world by THE World Rankings. - Among the top 401-450 universities in the world for Chemistry and in the top 451-500 universities for Mathematics of the QS World Rankings by Subject. - Adjudged as the University of the year (2016), Excellence in Faculty (2017) Excellence in Internationalization of Education (2018) and Excellence in Research Ambience (2019) by FICCI. - Among the top 9 institutions of India in Shanghai World Universities Ranking 2020. - VIT Chennai has been awarded as Global rated Green Campus by IGBC.	185 acres of sprawling eco-friendly campus - Well-furnished hostels, designed with spacious and spotlessly maintained dining halls - Self-sufficient facilities include well-lit roads, Canteen, Chat and Bakery Food Courts, Supermarket, Bank and ATMs - Health Centre operating 24/7 addresses all the health needs of students, faculty and staff members. - State-of-the-art sports facilities for indoor and outdoor games - State-of-the-art gymnasium, world class auditorium and modern swimming pool in the campus.

School of Computer Science and Engineering (SCOPE)

The School of Computer Science and Engineering (SCOPE) was established for imparting state-of-the-art education, training, and research in the field of Computer Science and allied areas through its UG, PG and PhD Programmes.

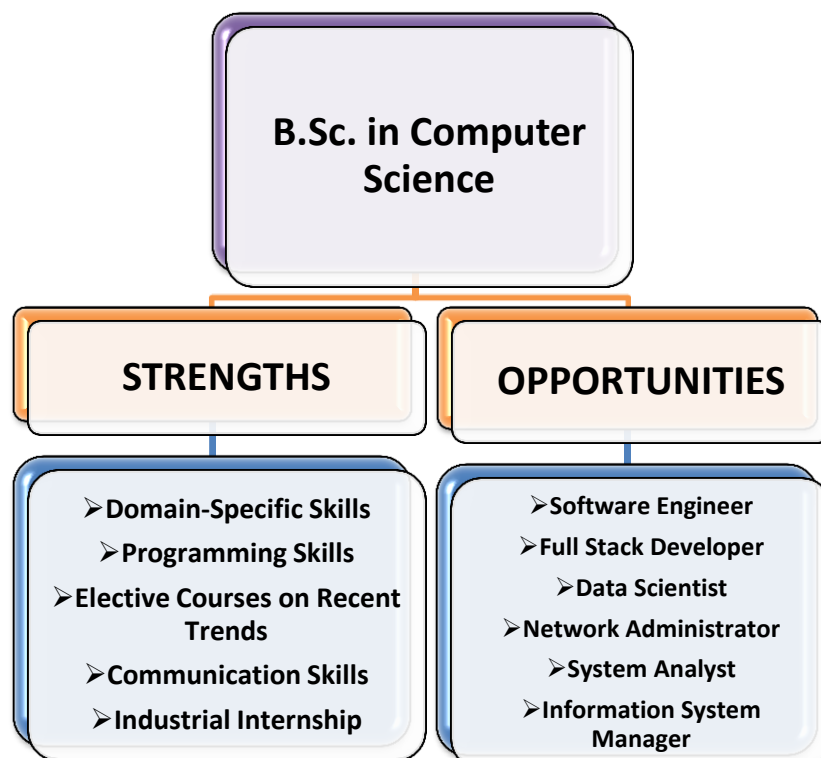| **Programmes offered**	- Bachelor of Technology in Computer Science and Engineering - Bachelor of Technology in Computer Science and Engineering (Artificial Intelligence and Machine Learning) - Bachelor of Technology in Computer Science and Engineering (Cyber Physical Systems) - Bachelor of Technology in Computer Science and Engineering (Artificial Intelligence and Robotics) - Integrated Master of Technology in Computer Science and Engineering (Software Engineering) - Integrated Master of Technology in Computer Science and Engineering (Business Analytics) - Master of Technology in Computer Science and Engineering - Master of Technology in Computer Science and Engineering (Artificial Intelligence and Machine Learning) - Master of Technology in Computer Science and Engineering (Big Data Analytics) - Master of Technology in Computer Science and Engineering (Cyber Physical Systems) - Master of Computer Applications - Ph.D. Programmes in the domain of Computer Science and Engineering *B.Sc. in Computer Science (* from the academic year 2023)

B.Sc. in Computer Science

Computer science graduates are employed in almost all domains. As technology develops faster than ever before, it is the need of the hour to generate skilled graduates who are well-equipped with modern computing techniques. The graduates get a good place at IT firms and corporates with designations like software developers, web developers, computer system analysts, data engineers, and much more. This programme aims to offer the students the opportunity to expand their skills in computer science and to cater the needs of industry and higher education with a focus on meeting the industry's requirements.
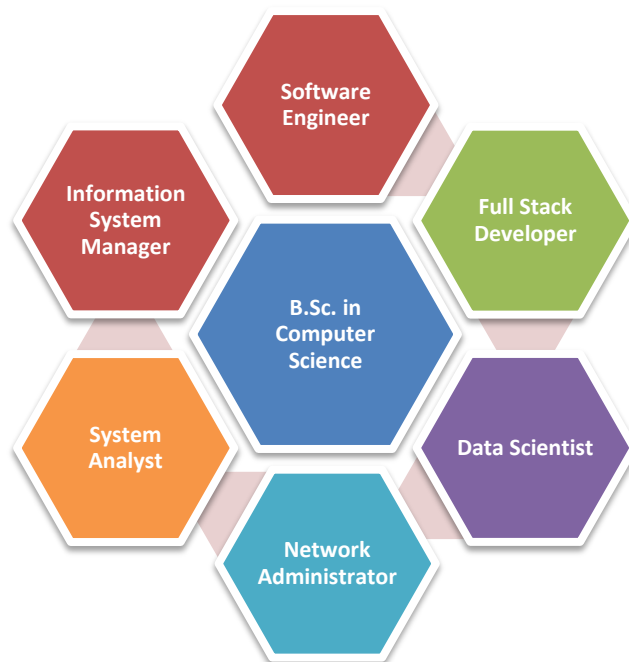
Programme Highlights

- Students develop essential skills to analyze, design and evaluate high-end computing systems.
- Hands-on experience in various programming skills as per Industry demand.
- Domain-specific elective baskets to shape unique career paths.
- The elective courses in each basket provide flexibility to advance your knowledge in the domain.
- Each basket is preceded by foundation and core courses.
- Students also learn social and leadership skills such as communication, collaborative teamwork, and creative problem-solving which are essential in any industry to have a successful career.
- Industrial internships to gain more exposure to industrial standards and recent trends.
- Students are provided with the advanced infrastructure and guidance to undertake challenging industry and research projects to meet society's requirements also.
- As a graduate of this programme, students will have the skills and experience to take advantage of the Industrial demands and pursue higher studies.
- After 3 years, interested students can continue in the same program with additional credits for one more year to get B.Sc. (Hons.) / B.Sc. (Hons. with Research) in Computer Science.

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                    B.Sc. in Computer
                        Science

        STRENGTHS              OPPORTUNITIES

   ➢ Domain-Specific Skills      ➢ Software Engineer
   ➢ Programming Skills          ➢ Full Stack Developer
   ➢ Elective Courses on Recent  ➢ Data Scientist
       Trends                    ➢ Network Administrator
   ➢ Communication Skills        ➢ System Analyst
   ➢ Industrial Internship       ➢ Information System
                                    Manager
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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.

Eligibility Criteria

A pass in any stream with a minimum **overall aggregate of 70%** with Mathematics / Business Mathematics/ Applied Mathematics as one of the subjects in the qualifying examination as mentioned below.

Qualifying Examination

- The final examination of 10+2 system of Higher Secondary Examination conducted by the State Board or Central Board of Secondary Education (CBSE, New Delhi) or the council for Indian School Certificate Examination (ISCE, New Delhi) or Intermediate or Two-year Pre-University Examination conducted by a recognized board/university or its equivalent examination.

- NIOS Board and Open schools recognised by JEE.

- Students who have appeared for their Std. XII finals and awaiting results are also eligible to apply, subject to submission of passing certificate by the notified date.

VIT - A place to learn; A chance to grow