



Coimbatore Institute of Technology

(Government Aided Autonomous Institution
affiliated to Anna University, Chennai)
Avinashi Road, Coimbatore - 641 014. Tamilnadu
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கோவை தொழில்நுட்பக் கல்லூரி
COIMBATORE INSTITUTE OF TECHNOLOGY

**5 Year Integrated
M.Sc. Programmes**

❖ About CIT

Coimbatore Institute of Technology, established in 1956, is one of the most reputed and prestigious educational institutions in India. The Institute backed by World Class research and development over the years, attained autonomous status in 1987 and is affiliated to Anna University, Chennai, India. The Institute boasts of strong state of the art of infrastructure, expert faculty, academic-industrial interaction and a high quality of research and consultancy and a versatile placement section. CIT is ranked 3rd in category of Govt. and Govt. Aided Institutes & Colleges - ATAL Ranking of Institutions on Innovation Achievements (ARIIA)-2020.

❖ DEPARTMENT OF COMPUTING

What the World Needs is More Important than What You Can Offer!

Leading Technologies are the cutting edge of the corporate world to solve complex issues of today's world. Education crafted to suit the needs of the hour will equip the current students and provide a platform to become leader of the future. The courses in Computing Department are designed and updated to meet these needs.

CIT offers THREE unique Integrated M.Sc programmes, tailored to meet the current Industry needs. All the M.Sc. programmes consist of 10 semesters spread over a period of 5 years with TWO 6-month internships during 7th and 10th Semesters. These internships provide a great opportunity to work in the industry / Research Organizations / Foreign Universities and gain experience. This helps them choose their field of interest and work towards achieving greater heights in what they like to pursue, not what comes their way!

The experience and exposure gained during these programmes inculcate necessary attitude and skills to evolve as an entrepreneur.

5-Year Integrated M.Sc. Software Systems

The Programme is established on the belief that a Software Professional must be methodically trained in understanding the requirements in diverse fields and, fully capable to deliver secure & reliable software, acting as a team member or leader. Curriculum of this programme provides students experimental learning, divergent thinking, problem-solving skills, creativity and mentorship to hone their skills to become successful software professionals.

The students of this programme will gain the ability to apply a systematic, disciplined, quantifiable approach to the development, operation and maintenance of software.

The programme emphasizes on emerging trends at global level ranging from Secure Software Development, Cloud and Mobile Computing, Distributed network-centric architecture, Machine learning to Internet of Things.



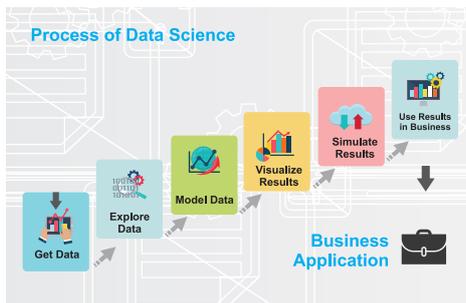
Our Recruiters



5-Year Integrated M.Sc. Data Science

The dramatic growth in the scale and complexity of the data due to widespread use of computers and smart devices, affects all aspects of domains including health care, business, agriculture, public safety, scientific research and social media. Understanding and effective use of vast amounts of data is a significant challenge to science and society thus emerges the field of data science. Data Science is a study of concepts, methods, techniques and tools in the field of Mathematics, Statistics and Computer Science for understanding, extracting, analyzing and representing the data in an efficient way.

Data Science Programme is designed to train the students to develop Intelligent analytical solutions which require knowledge in interdisciplinary areas including Mathematics, Probability and statistics, machine learning, data structures and algorithms, operations research, databases, visualization and privacy and security.



This Programme focuses on equipping the students with the skills required to become efficient data scientists and data analysts across the domain and handle the challenges of interdisciplinary teamwork. The curriculum of this Programme emphasis on practical implementation of the theoretically learned concepts and the early exposure to research and real-time industrial experience through two full time internships in foreign university research labs and Multinational Industries in India and abroad moulds

these graduates to be top-notch data scientists and intelligent analytical system developers with prudence of pioneering the solutions to the challenges of the 21st century.

5-Year Integrated M.Sc. Artificial Intelligence and Machine Learning (AI & ML)

Artificial Intelligence (AI) aims to make computers and information systems more "intelligent" and self learning to solve complex problems and provide more natural and effective services to human beings. The five year integrated M.Sc. Artificial Intelligence and Machine Learning (AI & ML) is a cutting edge programme, designed with strong foundations in Statistics, Mathematics, Computer Science and also facilitates the exploration of state-of-the-art research and applications of AI & ML to make the next-gen AI expert.

The programme also provides a perfect blend of theory and hands-on training in the areas of Artificial Neural Networks, Deep Learning, Natural Language Processing, Computer Vision and many such related technologies enabling the real-world implementation of advanced tools and models. With practical labs and projects-based learning, the graduates of this programme would gain expertise in the foundation and advanced concepts of optimized model building and its applications making them industry-ready.



ADMISSION PROCEDURE

Eligibility

M.Sc. PROGRAMME	ELIGIBILITY CRITERIA
SOFTWARE SYSTEMS	A Pass in HSC/equivalent exam with Mathematics, Physics and Chemistry as the subjects of study. However, Candidates (other than SC/ST) with an aggregate of 75% and above in Mathematics, Physics, and (Chemistry or Computer Science) only need to apply.
DATA SCIENCE	
ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	

Eligibility criteria may change as per Government specification as and when applicable.

❖ **Register and Apply**

Interested candidates can apply online with the required information.

❖ **Entrance Test**

Eligible candidates need to appear for Common Entrance Test conducted by Coimbatore Institute of Technology.

❖ **Technical Interview**

Shortlisted candidates will be called for Technical Interview based on the marks obtained in entrance test.

❖ **Final Selection**

Candidates are selected based on +2 marks, entrance test marks, and Performance in Technical Interview.

To apply, kindly visit : www.cit.edu.in

For details on admission contact : 94868 37757



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