INSTITUTE OF ENGINEERING
& TECHNOLOGY

M Tech COMPUTER SCIENCE & ENGINEERING

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M Tech Computer Science & Engineering

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About M Tech in Computer Science & Engineering:

M.Tech in Computer Science & Engineering is aimed at nurturing and developing professionals of the high quality to cater to the needs of industry and academia. The credit based curriculum is focused on industry-linking, technology-orientation and research which mirrors the principles of Srinivas University of pursuit of knowledge. Apart from offering common core subjects, extends to its students the flexibility to select from a wide range of elective subjects, which enables them to gain domain knowledge and practice-oriented learning in the key aspects of Computer Science and Engineering—as well as latest academic insights into the salient advancements and emerging technologies. Through a transformational process involving courses, project, industrial visits, internships and other co-curricular components, this program seeks to create exceptional leaders trained to operate in tomorrow's complex technology-oriented business environment. The M Tech program in CSE at SU thus demands and encourages the students to explore and connect with the multiple dimensions of today's Technological environment.

Special Features of the Program:

- Spacious multimedia classrooms and well equipped laboratories with sufficient number of computer systems with latest updated software.
- Dynamic, qualified, dedicated and research oriented teaching faculty who work towards the overall betterment of the students.
- Excellent Technical faculty to provide technical assistance to the students during practical sessions.
- E-Study material will be provided from the college for every subject according to the syllabus.
- Industry oriented syllabus with special focus on experimental learning.
- Mini projects that help students implement the theoretical knowledge gained into practical applications which gives a better understanding of the subject.
- Innovations in examination system with opportunity for personal seeing of evaluated papers.
- Placement support and research oriented projects for every student.
- Focus on smart skill development & training on competitive exams.
- Opportunity for internships and industrial visits
- Tie up with industries to get students trained in latest technology through industry sessions/ workshops.

Career Opportunities:

- Software applications developer
- Computer systems analyst.

- Business intelligence analyst.
- Web developer.
- Software Test Engineer
- Research
- Teaching

Scope of Computer Science and Engineering:

- Computer Design and Engineering: Design new Computer Circuits, Microchips, and other electronic components and design new instruction set, and combine electronic or optical components to provide powerful but cost effective computing.
- Information Technology: Develop and manage information systems that support a Business or Organization.
- Software Engineering: Develop Methods for the production of software systems on time within the budget with no defects.
- Operating Systems and Networks: Develop basic software computers use to supervise themselves or to communicate with other networks.
- Software Applications: Apply computing and technology to solve the problems outside the computer field in education or medicine.

SU M.Tech First & Second Semesters:

SEMESTER 1			SEMESTER 2		
S. No.	Subject	Credit/ Marks	S. No	Subject	Credit/ Marks
1	Advances in Operating Systems	4/100	1	Managing Big Data	4/100
2	Cloud Computing	4/100	2	Advances in Computer Networks	4/100
3	Advances in Database Management Systems	4/100	3	Advanced Algorithms	4/100
4	Multicore Architecture and Programming	4/100	4	Artificial Intelligence and Agent Technology	4/100
5	Elective I	4/100	5	Elective II	4/100
6	Advances in Operating Systems Laboratory	4/100	6	Advanced Algorithms Laboratory	4/100
7	Advances in Operating Systems Laboratory	2/100	7	Advanced Algorithms Laboratory	2/100
8	Seminar	2/50	8	Seminar	2/50
	Total Credit/Marks	**28/750**		**Total Credit/Marks**	**28/750**

SEMESTER 3			SEMESTER 4		
S. No.	Subject	Credit/ Marks	S. No	Subject	Credit/ Marks
1	Seminar/ Presentation on Internship	1/50	1	Project Work Phase I	1/50

3	Evaluation and Viva Voce	6/150	3	Final Evaluation of Project work and Viva Voce	6/200
	Total Credit	09/250		**Total Credit**	10/300

Sl.No	Elective I	Sl.No	Elective II	Sl.No	Elective III
1	Advances in Digital Image Processing	1	Web Services	1	Computer Vision
2	Advances in Storage Area Networks	2	Information and Network Security	2	Business Intelligence and itApplications
3	Embedded Computing Systems	3	Pattern Recognition	3	Agile Technologies
4	Advances in Computer Graphics	4	Optical Networks	4	Wireless Network and Mobile Computing

Fee Structure

(For the Academic Year 2023-24)

S.No	Courses	Duration	Annual Fee Structure	
			Non-Karnataka	Karnataka
1	**M.Tech. (Computer Science/Computer Integrated Manufacturing)** Pass in B.Tech./B.E in CS/IS with 50% aggregate marks (NRI : Rs.25K extra in First Year)	2 Years (Four Semesters)	Year I : Rs. 83,000 Year II : Rs. 60,500 **Total: Rs. 1,43,500**	Rs. 70,000* Rs. 60,500 **Rs. 1,30,500**

Note :

(1) University Registration Fee, Semester Registration Fee, Eligibility Fee for other State/NRI students, Examination Fee, Uniform Fee, Hostel Fee, Industry visit fee, Internship fee, Transportation fee, Sports & games fee, Extra-curricular activity fee, etc., are extra. The course fees mentioned for subsequent years may vary annually up to 6%. (2) The University Placement & Training Team will assist the admitted students to get (a) Earn While Learn, (b) Industry Internship, and (c) Final Job Placement. (3) Karnataka Quota* : 1. Applicable only to Karnataka students having 50% or more in the applicable subject combination. 2. To be considered as Karnataka domicile student should have studied last 7 years including PUC/Degree in the Karnataka (4) SC/ST/OBC Candidates should submit the Caste Certificate and Income Certificate to become Eligible

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