

Department of Computer Science and Engineering

M.Tech. Computer Science and Engineering (Graduate Masters Programme)

M.Tech. Computer Science and Engineering with Specialization in Data Science (Graduate Masters Programme)

M.Tech. Computer Science and Engineering with Specialization in Information Security and Privacy (Graduate Masters Programme)

One has to earn minimum 60 credits over 2 years of course (Including dissertation work at industry/research institute) Results are awarded on scale of 10.

M.Tech. Computer Science and Engineering (Graduate Masters Programme)

Programme Educational Objectives (PEO)

1. Graduates will have a strong foundation of core principles in Computer Science & Engineering necessary to formulate, solve and analyze engineering problems and set them up for research and development, industry, academia and higher learning.
2. Graduates will have theoretical background along with technical skills to work professionally in the area of Computer Hardware & Software design and implementation, Embedded Systems, Information Security, Wireless Networks, Multimedia processing, System Analysis, Data Science and Artificial Intelligence.
3. Graduates will have a successful career and work with values and social concern bridging the digital divide and meeting the requirements of society and industries.
4. Graduates will have an exposure to emerging cutting edge technologies, adequate training and opportunities to work on research problems with effective skills.
5. Graduates will have an attitude for lifelong learning and a strong inclination for research and development by pursuing higher studies in the field of engineering or science or business

Programme Outcomes (PO)

- PO1. An ability to independently carry out research /investigation and development work to solve practical problems.
- PO2. An ability to write and present a substantial technical report/document.
- PO3. Students should be able to demonstrate a degree of mastery over the area as per the specialization of the program. The mastery should be at a level higher than the requirements in the appropriate bachelor program.

Programme Specific Outcomes (PSO)

At end of the programme graduation, the students of the program will have:

- PSO1: ability to apply advanced engineering knowledge of computer science & engineering and design skill with analytical mind set for solving the real problems through research and development for catering the need of industry.
- PSO2: ability to investigate innovative, sustainable and environmental adaptive solution for the society to meet the desired need using standard engineering practice.

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Department Vision & Mission (vision-mission.php)

Academic Programmes

Curriculum & Syllabus

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Sardar Vallabhbhai National Institute of Technology,
Ichchhanath, Surat-395007, Gujarat, INDIA

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