M.Tech. Admissions Brochure

January 2027 Session

M.Tech. in Computer Science and Engineering

Department of Computer Science and Engineering

Indian Institute of Technology Hyderabad



భారతీయ సాంకేతిక విజ్ఞాన సంస్థ హైదరాబాద్
भारतीय प्रौद्योगिकी संस्थान हैदराबाद
Indian Institute of Technology Hyderabad

M.Tech. Admission Details

1. General Information

The CSE department at IIT Hyderabad (IITH) invites outstanding candidates to join us for the Master of Technology (M.Tech.) programme in Computer Science and Engineering. The M.Tech. programmes at IITH provides ample opportunities for students to explore both research and development skills. The advanced and specialized courses provide deeper insights into various subjects in Computer Science and Engineering, while the M.Tech. thesis allows you to go deeper into a topic of your interest by joining exciting research projects of the faculty in the department. An M.Tech. at CSE-IITH will prepare you both for sought-after industry jobs, or for a Ph.D. in Computer Science and Engineering. IITH has its vision firmly entrenched in being a cradle for invention and innovation, and has already established partnerships with international partners, especially in Japan, since its inception in 2008. The CSE Department at IITH is active in research areas including theoretical computer science, algorithms, graph theory, networking, distributed systems, cryptography, compilers, database systems, big data analytics, data mining, machine learning, natural language processing, image/video processing, computer architecture, hardware security, system security, cybersecurity, blockchains, etc. It has large active funded research projects in various application domains. While the standard M.Tech. programme spans 2 years, the 3-year M.Tech. programme is research-focused and allows students to work on sponsored research projects, thus focusing on research every semester, along with the coursework.

The intake for 2-year M.Tech. happens only once a year (for the January session), while the intake for the 3-year M.Tech. typically happens twice a year (for the January and January sessions).

2. Call for Applications

Applications are invited for admission to M.Tech. programmes in Computer Science and Engineering for the **January 2027 session** in the following categories**.** Detailed eligibility criteria for each are given in the next section.

1. **3-Year M.Tech. in Computer Science and Engineering, under the following admission modes:**
    a. Project Sponsored (GATE qualification necessary)
    b. Project Sponsored, with 6 months experience in IITH under the supervision of any CSE faculty ***OR 2-year experience in industry/R&D lab*** (GATE qualification not necessary)

Regarding modes of funding/sponsorship:
The following points explain the various modes of funding for the different categories mentioned above:

- Students admitted into the 3-year M.Tech. programme under Project Sponsored mode receive a stipend from the funds of the project (which may be Govt. or Industry sponsored) that they conduct research on during the programme.
- Students admitted in the Govt/PSU-sponsored categories are subject to rules and regulations of the sponsoring organization.

For the fee structure for each of the above programmes and admission modes, please refer to https://iith.ac.in/academics/fee-structure/ .

For details on the selection process for each programme and modes of admission, please see Section 4 below.

Course Curriculum:
For the latest course curriculum of M.Tech CSE, please refer to
https://cse.iith.ac.in/assets/pdf/CourseCreditRequirementsandGuidelinesforMTechbatch2024+.pdf

Important Instructions:

1. For the latest updates regarding admissions including eligibility criteria, selection procedure, and other clarifications, candidates are requested to check the CSE MTech admissions webpage: https://cse.iith.ac.in/admissions/mtech.html. **Applicants are advised to visit the website before applying to check the important dates related to the admission process.** In case of any queries, you may contact us at: *mtech.admissions[at]cse.iith.ac.in*
2. **Please note that AI is a separate department.** For queries related to M.Tech in AI, kindly contact the AI Department directly.
3. For queries related to our MDS program, please write to: ***cse_mds[at]iith.ac.in***

3. Eligibility Criteria:

3-Year M.Tech. in Computer Science and Engineering:

1. ***Project Sponsored (GATE qualification necessary):***
    a. A 4-year B.Tech./B.E./BS degree in any engineering discipline or an MSc/MS/MCA degree in CS/IT/Maths. In the qualifying degree, the candidates must have secured 6 CGPA (60%) for GN, 5.4 CGPA for OBC (54%), and 5.1 CGPA (51%) for SC/ST. **AND**
    b. The candidate should have demonstrated adequate background in computer science (Valid GATE score in CS).

2. ***Project Sponsored, with 6 months IITH experience OR 2-year experience in industry/R&D lab (GATE qualification not necessary):***

    a. A 4-year B.Tech./B.E./BS degree in any engineering discipline or an MSc/MS/MCA degree in ECE/Statistics/CS/IT/Maths. In the qualifying degree, the candidates must have secured 6 CGPA (60%) for GN, 5.4 CGPA for OBC (54%), and 5.1 CGPA (51%) for SC/ST. **AND**
    b. The candidate must be currently involved in a project with a **faculty at CSE Department, IITH**, and the current supervisor's project funds the expenses of the M.Tech. Programme. **Otherwise,** the candidate must have 2-year experience in industry/R&D lab. **AND**
    c. A sponsorship letter from the project supervisor needs to be produced at the time of the selection interview. In case of industry/R&D lab experience, the candidate must submit a valid experience certificate at the time of application. See details of the selection process in Section 4 below.

Important: The department reserves the right to set any cut off criteria for shortlisting the candidates for interview/written test, on top of the eligibility criteria mentioned above.

4. Selection procedure and Important Points:

3-year M.Tech. in Computer Science Programme, all modes:

1. Admission to the 3-year M.Tech. Programme will be based on an entrance exam **and/or** programming test followed by interviews for shortlisted candidates. The department may use other application parameters including GATE score for shortlisting candidates. Interviews test the candidates on standard topics in a Computer Science syllabus (data structures, programming, theory of computation, algorithms, networking, OS, DBMS, etc).

2. Students in a 3-year M.Tech. programme complete the same amount of coursework as 2-year M.Tech. students but are additionally involved in sponsored research projects and get sufficient time in each semester to work on research.

3. Admitted students will receive a stipend as per research project guidelines for Research Assistantship (RA), depending on mode of admission.

4. Prior research exposure and/or industry experience are also considered while selecting candidates in these categories.

Points common to all admission modes and programmes:

1. The department has the provision for students in the M.Tech. programme to convert to Ph.D. during the programme.

2. Candidates still to appear in their qualifying degree examinations may also apply, provided they appear in all their qualifying degree examinations and complete all requirements for their degrees at least a month before the joining semester. If selected, such candidates shall be admitted provisionally, and they will have to furnish the results of their qualifying degree examinations on joining. Further, they must fulfill the minimum requirements of marks/CGPA/CPI, and other conditions like valid GATE score, etc., as mentioned under eligibility criteria for respective programmes. Failure to fulfill any of these requirements shall automatically result in cancellation of admission.

3. The department reserves the right to set any cut off criteria for shortlisting the candidates on top of the eligibility criteria mentioned in Section 3. The shortlisted candidates will be called for an exam/interview as required. The department has the right not to select any candidates if appropriate candidates are not found.

5. Documents:

The following certificates are to be produced by the candidates in original at the time of interview for verification:

1. Degree / Diploma Certificates or provisional certificates from the competent authority of the University or Institute concerned. (In case of candidates whose results are awaited, producing the mark sheets / grade card will be sufficient. However, if selected, they have to produce the certificate mentioned, for verification, at the time of admission)
2. All Mark sheets / Grade Cards of your qualifying examinations
3. OBC/SC/ST Certificate, if applicable
4. Sponsorship Letter, if applicable
5. List of Publications, if applicable
6. No objection certificate from the present employer, if applicable
7. Documentary evidence establishing current employment, if applicable

For updates and latest information,interested candidates are requested to periodically check: https://www.cse.iith.ac.in/admissions/mtech.html.