

M.Tech Brochure (July 2026)

Department of Artificial Intelligence

IIT Hyderabad



Web: <http://ai.iith.ac.in>

Contact: [AI M.Tech admissions](#)

Overview

The Department of AI at IIT Hyderabad was launched in 2019. Given AI's interdisciplinary nature, a separate department helps create a comprehensive ecosystem for AI Academics and Research at IIT Hyderabad. The department offers B.Tech., M.Tech., and Ph.D. programs, as well as a variety of Minor Programs in AI. The emergence of the department is a consequence of the industry's heavy demand for data analytics and the need to address foundational research problems arising in a rapidly evolving field. The department's mission is to

- Train students to understand the fundamentals of Artificial Intelligence and Machine Learning, both in theory and in practice.
- Enable students to become leaders in the industry and academia globally.
- Meet the nation's pressing demands regarding trained Artificial Intelligence and Machine Learning professionals.

The Department of Artificial Intelligence has many highly dedicated and dynamic faculty members with various areas of expertise. Currently, 22 faculty members are affiliated with the AI department, including six core faculty members. Candidates can find faculty members' profiles and teaching/ research areas on the department's website.

The Department of AI seeks talented and dedicated M-Tech students to develop highly skilled human resources who can contribute to modern, cutting-edge research and industrial demand in AI. The M-Tech students will have excellent laboratory facilities available at any time. The laboratories are equipped with state-of-the-art facilities, including software and hardware. All the laboratories are provided with internet connectivity.

Research areas

Deep Learning

Fair and Explainable Machine Learning

Research areas	
Autonomous vehicles	Computer vision
Generative Models	Video quality assessment
Speech systems	AI for agriculture
Bayesian learning	Social media and text analysis
Robotics	Recommendation systems and data mining
ML in astronomy	Inference algorithms
Graphical models	Big data analysis
Game Theory and Mechanism Design	AI and Internet of Things
Computer Architectures for AI	Natural Language Processing
AI and High-Performance Computing	Neuromorphic AI

The Department of AI accepts applications for the following MTech programs in the July 2026 admission cycle.

- MTech (2-year)
- MTech (3-year)

Please see the following sections for more details.

MTech (3 yr) program

The 3-year MTech program at IITH has the same number of credits as the 2-year program (See the department website for more details), but it is more spread out to enable the students to focus more on research. The program has the following two components in the course curriculum.

- Coursework (24+2 credits)
- Thesis (24 credits)

Coursework: The AI curriculum provides a well-rounded, holistic introduction to machine learning theory and practice. Students can take a variety of courses, from fundamental theoretical courses to more advanced application-based ones. A course on English communication is also included, along with industry lectures.

Thesis: Students will work with supervisor(s) to contribute to high-quality research in AI. Students who join the 3-year program will be assigned a supervisor at the time of joining. Students admitted to the regular 3-year M-Tech program are responsible for providing research and teaching assistance to their supervisor. The advantage of the regular 3-year

MTech program is that students can gain greater research exposure. Students may be paid a stipend similar to (or higher than) that of the 2-year MTech students.

Eligibility Criteria for Application

The applicant must have earned (or should be in the final year of) a full-time BTech/BE degree in any discipline or a part-time BS (4-year) degree in Data Science, or a full-time MSc (Math/Stats/Applied Math)/Equivalent degree. If the applicant is in the final year of the program, it is assumed that the applicant can complete the degree by the time of MTech admission. There are three modes of admission to the MTech (3-year, RA) program.

- Mode RA1: The candidate must have a valid GATE score in CS/EC/EE/DA/MA, besides the degree requirement.
- Mode RA2: Candidate must have a full-time B.Tech/BE degree in any discipline from any IIT with a CGPA of 8 and above, or a full-time MSc (Math/Stats/Applied Math)/Equivalent degree from any IIT with a CGPA of 8 and above (in this case, a valid GATE score is not mandatory). Note that applicants with only part-time degree(s) from IITs (e.g., BS in Data Science) are not eligible for this mode.
- Mode RA3: Besides a full-time B.Tech/BE degree in any discipline, or a full-time MSc (Math/Stats/Applied Math)/Equivalent degree, or a part-time BS (4-year) Data Science degree, the candidate must have 6 months of project experience in IITH (in this case, a valid GATE score is not mandatory).

Selection Process

For admission to the program through any mode, a preliminary shortlisting will be based on academic background and/or GATE score. Candidates who satisfy the shortlisting cutoff may need to appear for a written test and/or an interview. The decision to hold the test/interview will be taken based on the number of applications and other factors. The department will communicate that to the candidates at the appropriate time. In addition, the department reserves the right to set any cutoff for the shortlisting of MTech applications. The department cannot select anybody if no appropriate candidates are found. Note that mere eligibility does not imply that the candidate will be shortlisted or called for the written test/interview.

MTech (2-year) program

The Department of AI at IIT Hyderabad offers a 2-year M.Tech program for the forthcoming session. The program has the following two components in the course curriculum

- Coursework (24+2 credits) - The AI curriculum provides a well-rounded, holistic introduction to machine learning theory and practice. Students can take a variety of courses, from fundamental theoretical courses to more advanced application-based ones. A course on English communication is also included, along with industry lectures.
- MTech thesis (24 credits) Students will work with supervisor(s) to contribute to high-quality research in AI.

The MTech (2-year) program has the following three options:

1. MTech (2-year, TA)

Students who join the M.Tech (2-year) TA program will be paid a stipend (as per MoE norms) for their service as teaching assistants (TAs) to various course instructors. Typical TA tasks include exam invigilation, supervising undergraduate lab experiments, assisting with course-related activities, etc. Typically, a student is expected to provide 8 hours of TA service per week.

Modes of Admission to the M.Tech (2-year, TA) Program

There are two modes a candidate can gain admission to an M.Tech (2-year, TA) program.

1. Mode TA1 (COAP): With a valid GATE score in (CS/EC/EE/DA/MA). The candidate must have earned a full-time BE/B.Tech in any discipline, or a part-time BS (4-year) degree in Data Science, or an MSc (Math/Stats/Applied Math)/Equivalent degree. The applicant must have already earned this degree, or at least should be in the final year of the respective studies. In the latter case, it would be assumed that the candidate can complete the degree by the time of M.Tech admission.
2. Mode TA2: With a full-time BE/B.Tech in any discipline from any IIT, or an MSc (Math/Stats/Applied Math)/Equivalent degree from any IIT. In either case, a valid GATE score is not mandatory. To be eligible to apply for admission via Mode TA2, the candidate must have a CGPA of at least 8, irrespective of the degree. Note that applicants with only part-time degree(s) from IITs (e.g., BS in Data Science) are not eligible for this mode.

Selection Process

- Admission to the program via Mode TA1 is typically based on the GATE score. However, depending on the circumstances, a preliminary shortlist may be based on the GATE score and/or academic background.
- For admission to the program via mode TA2, a preliminary shortlisting will be conducted based on academic background. Candidates who satisfy the shortlisting cutoff may need to appear for a written test and/or an interview. The department reserves the right to set any cutoff for shortlisting M-Tech applications. In addition, the department has the right to refuse to select anyone if no appropriate candidates are found. Note that mere eligibility does not imply that the candidate will be called for the written test/interview.

MTech TA offers will be given through COAP 2026.

For up-to-date details, see <https://ai.iith.ac.in>

For any query, kindly write to ai_grad_admissions@iith.ac.in

2. MTech (2-year, self-sponsored) program

Given the high demand in industries and research organizations for highly skilled professionals and experts in specific domains, IITH launched the All Course M.Tech (ACM) program. After the success of the ACM program, the institute has further revamped it into a Self-sponsored M.Tech program to align it with the regular M.Tech program, benefiting students. The Department of AI began offering the ACM program in 2019-20 and is now offering the revamped self-sponsored M.Tech program in Artificial Intelligence and Machine Learning for the 2020-21 session. The key features of the program are summarised below.

- Opportunity for a full-time M.Tech program via a written test and an interview.
- Duration of the course: 2 years
- No difference in curriculum and degree to be awarded between MoE-funded and Self-sponsored M.Tech candidates
- Eligibility for On-Campus Placement on successful completion of the program
- Non-subsidized Program - No fellowship (even for GATE-qualified students)
- Open to degree holders with a first class and a CGPA of 7.0 or above.
- No mandatory requirement for GATE
- Admission is based on a thorough scrutiny process comprising a written test and an interview
- Conversion to MTech (TA)/ MTech (RA) or vice versa is not possible

Fee Structure

- Refer to the [academic page](#) for the program fee structure

Eligibility:

B.Tech/B.E/Equivalent degree in any discipline or MSc (Math/Stats/Applied Math)/Equivalent. The department will conduct a preliminary shortlisting based on academic background. Candidates who satisfy the shortlisting criteria must appear for a written test and/or an interview. The department reserves the right to set any cutoff for shortlisting MTech applications. In addition, the department has the right to refuse to select anyone if no appropriate candidates are found. Note that mere eligibility does not imply that the candidate will be called for the written test/interview.

Syllabus for Written Test - Basic programming, data structures, linear algebra, probability, and calculus.

3. MTech (2-year, Govt lab/Public sector sponsored)

Please see <https://ai.iith.ac.in/mtech-admissions.html> and <https://iith.ac.in/mtechadmissions/home.jsp> for details.

- GATE is not mandatory.
- There will be a shortlisting followed by a written test/interview.

Application Process

IIT Hyderabad has a centralized online application portal for M.Tech admission. Candidates are requested to visit <https://iith.ac.in/academics/post-graduate/> for the application format and the submission link. Applications will be accepted through this portal only.

For up-to-date information, please visit <https://ai.iith.ac.in/>

For any query, kindly write to ai_grad_admissions@iith.ac.in