
M.Tech Brochure (2020-21)

Department of Artificial Intelligence

IIT Hyderabad



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

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



Overview

The Department of AI is a newly launched department at IIT Hyderabad. Considering the interdisciplinary nature of AI, a separate department helps in creating a complete ecosystem for AI Academics and Research at IIT Hyderabad. The department will offer B.Tech. and M.Tech. programs, and plans to offer a variety of Minor Programs in AI. The emergence of the department is the consequence of the heavy demand from the industry on data analytics, and the need to tackle the many fundamental and foundational research problems arising in a rapidly evolving field. The department's mission is to

- Train students to have a sound understanding of the fundamentals of the theory and practise of Artificial Intelligence and Machine Learning.
- Enable students to become leaders in the industry and academia nationally and internationally.
- Meet the pressing demands of the nation in the areas of Artificial Intelligence and Machine Learning.

The Department of Artificial Intelligence has a sizeable number of highly dedicated and dynamic faculty members, with a wide variety of expertise. Currently there are 22 faculty members affiliated with the AI department. Candidates can discover the profiles and teaching/research areas of different faculty members by visiting the department web page.

The Department of AI seeks talented and dedicated M-Tech students to develop highly skilled human resources who can contribute to modern and cutting edge research and industrial demand in AI. The M-Tech students will provided with excellent laboratory facilities that they can access 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	Explainable Machine Learning
Autonomous vehicles	Computer vision
Generative Models	Video quality assessment
Speech systems	AI for agriculture
Bayesian learning	Social media and text analysis

Research areas	
Robotics	Recommendation systems and data mining
ML in astronomy	Inference algorithms
Graphical models	Big data analysis
Computer Architectures for AI	AI and Internet of Things
AI and High Performance Computing	Natural Language Processing

The Department of AI accepts applications for the MTech (3 yr) program in Dec 2020 session. Please see the subsequent sections for details.

MTech (3 yr) program

The 3 year MTech program at IITH has the same number of credits as the Mtech (2 year) program, but more spread out to enable the student to focus more on research. Students who join the 3-year program will be assigned a supervisor after joining. Students admitted to the regular M-Tech 3-years program are responsible to provide research and teaching assistance to the supervisor. The advantage of the regular 3-years MTech program is that the students can get better exposure to research under the particular program. The students may be paid a stipend at par (if not higher) with the 2-yr MTech students.

Eligibility Criteria for Application

The candidate must have earned BTech/BE/MSc/Equivalent Degree in any discipline, and have a valid GATE score in CS/EC/EE/MA/ST. The applicant must have already earned BTech/BE/MSc or, at least, should be in the final year of the respective studies. In the latter case, it would be assumed that the candidate will be able to complete the degree by the time of M-Tech admission. GATE qualification is relaxed for a) Candidates with a B-Tech / MSc (Math/Applied Math) degree from any IIT and with CGPA score no lower than 8 (SC, ST and OBC candidates will be provided relaxation as per the standard GOI norm) and b) Project Sponsored, with 6 months experience in IITH.

Selection Process

For admission to the program, there will be a preliminary shortlisting depending upon the the academic background and GATE score. Candidates who satisfy the shortlisting cutoff need to appear for a test and/or an interview. The department reserves the right to set any cutoff for the shortlisting of M-Tech applications. In addition, the department has the right not to select anybody if no appropriate candidates are found.

Important Dates (3 year program)

Opening of web portal for online application	:
Last Date of receiving application	:
Online announcement of shortlisted candidates.	:
Written test and interview	:

These dates are tentative. For up to date information, please visit

Application Process

IIT Hyderabad has a centralised online application portal for the M-Tech admission. Candidates are requested to visit <https://iith.ac.in/mtechadmissions/home.jsp> for the application format and the submission link.

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