M-Tech Admission Brochure

3-Year Program
Session: Jan, 2020

भारतीय प्रौद्योगिकी संस्थान हैदराबाद
Indian Institute of Technology Hyderabad

Department of Artificial Intelligence
IIT Hyderabad

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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

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

The Department of Artificial Intelligence has a sizable 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

https://ai.iith.ac.in/faculty.html.

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 the internet connectivity.

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.

Research Areas

The following is a broad collection of AI related research areas at IIT Hyderabad.

Deep Learning	Explainable Machine Learning
Generative Models	Autonomous vehicles
Computer vision	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
Computer Architectures for AI	AI and Internet of Things
AI and High Performance Computing	Natural Language Processing

M-Tech Programs:

The Department of AI at IIT Hyderabad offers a 3-Yr M-Tech program for the forthcoming session. The program has following two components in the course curriculum.

1. Coursework.
2. M-Tech thesis.

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 M-Tech 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.

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 written 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.

Application Process:

IIT Hyderabad has a centralized 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