
2 yr self sponsored M.Tech Brochure (2020-21)

Department of Artificial Intelligence

IIT Hyderabad



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

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



Important Dates

- **Opening of web portal for online application** : **Late May**
- **Last Date of receiving application** : **Mid-late June**
- **Online announcement of shortlisted candidates** : **Late June**
- **Written test and interview** : **Early July**

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

<https://ai.iith.ac.in/mtech-admissions.html>

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 the internet connectivity.

Research areas

Deep Learning

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 |
| Computer Architectures for AI | AI and Internet of Things |
| AI and High Performance Computing | Natural Language Processing |

Self sponsored MTech Program Overview

In view of the high demand in industries and research organisations for the highly skilled professionals and experts in specific domains, IITH had started All course MTech program (ACM). After the success of ACM program, the institute has further revamped it to Self-sponsored MTech program to bring it to at par with regular MTech Program, to benefit the students. The Department of AI started offering the ACM program in 2019-20, and is offering the revamped self sponsored M.Tech program in Artificial intelligence and Machine Learning for the session 2020-21. The key features of the program are summarised below.

- Opportunity for full-time MTech program via written test and interview.
- Duration of the course: 2 years
- No difference in curriculum and degree to be awarded between MHRD funded and Self-sponsored MTech candidates
- Eligibility for On-Campus Placement on successful completion of the program
- Non subsidised Program - No fellowship (even for GATE qualified students)
- Open for degree holders having a first class

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- No mandatory requirement for GATE
 - Admission based on thorough scrutiny process comprising written test and interview
 - Total Credits to be completed: 48-52 Credits
 - Non-Residential Program - Hostel accommodation not guaranteed
 - Consideration for hostel accommodation (chargeable) based on room availability
 - Conversion to M.Tech (TA)/ M.Tech (RA) or vice versa not possible

Fee Structure

- Refer <https://www.iith.ac.in/academics/fee-structure/> for program fee structure
 - **Eligibility**
 - B.Tech/B.E/M.Sc/Equivalent degree in any discipline
 - **Syllabus for Written Test**
 - Basic programming, linear algebra, probability and calculus

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