Ph.D. Admissions Brochure

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Department of Artificial Intelligence
IIT Hyderabad

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Overview

The Department of AI at IIT Hyderabad helps in creating a complete ecosystem for AI Academics and Research at IIT Hyderabad. The department offers B.Tech, M.Tech, and Ph.D. programs (full-time and part-time). The emergence of the department is the consequence of the heavy demand from the industry on artificial intelligence and 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. Faculty publishes regularly in top AI conferences and journals such as NeurIPS, ICML, AAAI, IJCAI, CVPR, ICCV, ACL, EMNLP, AAMAS, JMLR, TIP, TACL etc. Currently there are 11 core faculty members and several 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/index.html.

The Ph.D. students will be 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 (including high-end DGX servers and other GPU servers). More details on the compute facility available with the department may be accessed from at https://ai.iith.ac.in/infrastructure/index.html#ai-research.

The Department of AI seeks talented and dedicated Ph.D. students to develop highly skilled human resources who can contribute to modern and cutting edge research in AI.

Eligibility Criteria

This section outlines the eligibility criteria for admissions to the various Ph.D. programs offered by the Department of Artificial Intelligence at IIT Hyderabad.

Regular Direct Ph.D. Program

If the candidate holds **BE/BTech/4-Year BS/MCA/MSc** in one of **CS/EE/EC/AI/DS** branches, and has no Master's degree, then the following rules apply:

- If the candidate is **from one of the CFIs**[1], then the candidate must have a **CGPA of 8.0 and above**. In this case, possessing a **valid GATE score is not mandatory.**
- If the candidate is **not from a CFI**, then possession of a **valid GATE score is mandatory**.

Regular Ph.D. Program

The Department invites applications from all candidates who do not qualify for the Special Ph.D. program to apply under the Regular Ph.D. program. Below are the detailed eligibility criteria.

1. If the candidate holds **MTech/ME/MS (By Research)/MS** degree in **CS/EC/EE/AI/DS** branches or related areas in Artificial Intelligence, then the candidate must have secured **FIRST CLASS**[2]. In this case, the candidate must have already earned the Master's degree, or should at least be in the final year of the respective program. In the latter case, it would be assumed that the candidate will be able to complete the degree by the time of admission into the Ph.D. program.
2. Candidates with an **MSc/MCA/equivalent PG degree**, along with an **EMDS** (MTech in Data Science) degree from IIT Hyderabad, may also apply for the Regular Ph.D. program.

External Ph.D. Program

The Department also admits candidates who are employed full time to the external Ph.D. program. Such candidates must hold one of the following

1. **MTech/ME/MS (By Research)/MS** degree in **CS/EC/EE/AI/DS** branches or related areas in Artificial Intelligence and having graduated with a **FIRST CLASS**[2].
2. **BE/BTech/4-Year BS/MCA/MSc** in one of **CS/EE/EC/AI/DS** branches and having graduated with a **FIRST CLASS**[2] while also having a valid GATE score. If a candidate does not have a valid GATE score, then such candidate must have at least 2 years of relevant work experience.

In each of the above cases, employment is mandatory at the time of applying and the admission. The candidates will be required to produce a no-objection certificate (NOC) from the employer at the time of submission of application.

Selection Process

The Department will conduct a preliminary shortlisting of applications based on the academic background. Additional criteria, on top of the eligibility criteria listed above, may be employed by the Department, as deemed appropriate, during the shortlisting phase. Candidates who satisfy the shortlisting criteria will need to appear for a written test and/or an interview. The Department reserves the right to set any cut-off criteria for shortlisting the candidates, and to not select any candidate if no appropriate candidates meeting all criteria are found.

Application Process

IIT Hyderabad has a centralized online application portal for the Ph.D. admission. Candidates are advised to visit https://www.iith.ac.in/phdadmissions for the application format and the submission link. Candidates applying for any of the Ph.D. programs are requested to submit their application through the portal.
For any queries, please write to phd.admissions@ai.iith.ac.in.

General Notes

1. First class means 60% or CGPA of 6.0, and 10% relaxation for OBC candidates and 15% relaxation for SC/ST candidates. This relaxation is not applicable for External Ph.D.
2. For the list of CFIs, please refer the below links
   https://www.education.gov.in/en/technical-education-1
   https://www.education.gov.in/central-universities
3. If a candidate is not from one of CS/EE/EC/AI/DS branches, but has completed relevant coursework on AI related subjects (clearly demonstrated through transcripts), then such candidates may be considered on a subjective basis, solely at the discretion of the department, subject to meeting all other eligibility criteria.
4. In cases where the candidate's parent institute/university provides a percentage instead of CGPA, the candidate must produce relevant document(s) from the parent institute/university clearly stating a valid formula for conversion from percentage to CGPA. In this case, the provided formula will be used for the preliminary shortlisting of

the candidate's application. If no relevant formula is provided, the below formula will be used by default for conversion from percentage to CGPA:

Percentage / 10 = CGPA.

(Example: 80% = 80/10 = 8 CGPA.)

Eligibility Criteria

Department/Centre : Artificial Intelligence

Mode of Admission	**Entry Qualification**	**CGPA/ Class**	**Entry Exam**	**Work exp.**
Regular	1) MTech/ME/MS (By Research)/MS degree in CS/EC/EE/AI/DS branches or related areas in Artificial Intelligence, then the candidate must have secured FIRST CLASS (OR) 2)MSc/MCA/equivalent PG degree, along with an EMDS (MTech in Data Science) degree from IIT Hyderabad.	FIRST		NA
Regular Direct	BE/BTech/4-Year BS/MCA/MSc in one of CS/EE/EC/AI/DS branches and then one of the following rules apply: a. If the candidate is from one of the CFIs, then the candidate must have a CGPA of 8.0 and above. In this case, possessing a valid GATE score is not mandatory.	8 CGPA or above if from CFI	GATE if not from CFI	NA

	b. If the candidate is not from a CFI, then possession of a valid GATE score is mandatory.			
External	**MTech/ME/MS (By Research)/MS** degree in **CS/EC/EE/AI/DS** branches or related areas in Artificial Intelligence and must have secured **FIRST CLASS**[1]. 1. **BE/BTech/4-Year BS/MCA/MSc** in one of **CS/EE/EC/AI/DS** branches and the candidate must have secured **FIRST CLASS**[1] along with a valid GATE score. 2. **BE/BTech/4-Year BS/MCA/MSc** in one of **CS/EE/EC/AI/DS** branches and candidate must have secured **FIRST CLASS**[1] along with 2 years of relevant experience.	FIRST		2 years relevant work experience required for candidates with **BE/BTech/4-Year BS/MCA/MSc** in one of **CS/EE/EC/AI/DS** and not possessing a valid GATE score