

**PhD Admissions**  
**Mechanical & Aerospace Engineering Department,**  
**Indian Institute of Technology Hyderabad**

# Structure of the PhD Program

## Course work

The Ph.D. candidate is required to undergo course work during the first two semesters. The minimum course requirement in the department is 12 credits with good academic performance (CGPA  $\geq 7$ ). Candidates, in consultation with their supervisor, may also choose to take relevant courses from other departments.

## Choosing the Ph.D. Supervisor

*It may be noted that some faculties may not have vacancies for taking PhD students in a certain year.* PhD students joining the department are mandatorily required to submit their order of preference for their supervisor by the end of the first semester after meeting all the eligible faculty members in their stream who have vacancies for PhD positions in that particular year. Subsequently, allocation of supervisors is done based on preferences received from all Ph.D. candidates. For research areas and faculty profiles, please visit: <https://flip.iith.ac.in/books/cfsz>

## Thesis Proposal & Research Progress

All Ph.D. candidates are required to take comprehensive exam within 12 months of joining. If student fails in the first attempt for comprehensive exam, he/she can take it after minimum of 1 month and within maximum of 3 months. Candidate has to defend a thesis proposal within 18 months of the date of joining the department. Subsequently, Ph.D. scholars are required to regularly apprise the doctoral committee of progress made in solving the research problem. Continued involvement in the Ph.D. program is subject to satisfactory progress, as deemed by the doctoral committee.



## Financial Support

Students admitted to the Ph.D. program under the regular scheme (full-time) are eligible for financial assistance according to the Ministry of Education (MoE) norms. Students receive an enhanced monthly emolument after successful conversion from Junior Research Fellow (JRF) to Senior Research Fellow (SRF) after 2 years. Renewal of assistantship every semester will be contingent on enrolment, satisfactory progress in research work in addition to assistance in teaching or research, as assigned by the Department, to the extent of 8 hours of work per week. Some additional positions may be funded by external projects subject to availability at the time of selection.

# Admission Process

## Who can apply? (Eligibility Criteria)

- Candidates with a MTech/ME degree in Mechanical, Aerospace or related disciplines are eligible to apply. A valid GATE score is not a pre-requisite for such candidates.
- Candidates without a Master's degree, but a valid GATE score and a BTech/BE in Mechanical, Aeronautical/Aerospace, Automobile Manufacturing, Machine Tool, Production, Production & Industrial Engineering, are also eligible to apply for the Ph.D. program. However, the GATE criterion is not mandatory for a Centrally Funded Technical Institutes (CFTI) BTech student with a CGPA of 8.0 or above.
- It may be noted that candidates applying under reserved categories need to have the central government format certificate for the category they are applying, and no other format issued by any state government would be considered valid.
- Candidates working in reputed research organizations with **minimum 2 years' experience** may also apply under external Ph.D. program (candidates from external program are not eligible for any stipend). **Such candidates have to identify the faculty willing to supervise and mandatorily submit a research proposal prior to the initiation of selection process (written tests and interviews).**

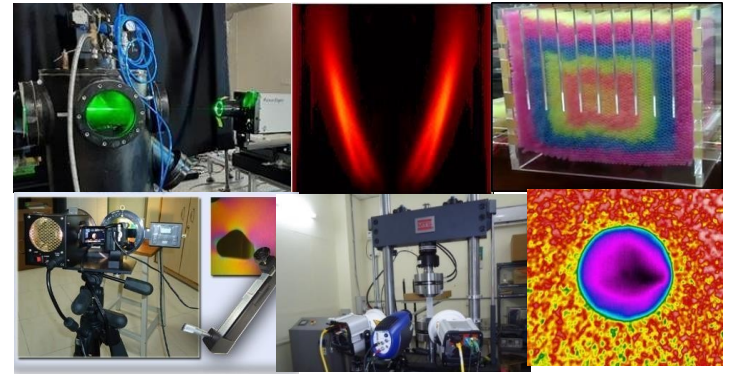
## How to apply?

Interested candidates can apply for Ph.D. through the online portal of IITH: <https://iith.ac.in/academics/phd/>

## Selection Process

**Candidates are advised to regularly keep track of emails and department website for admissions related announcements.**

- The shortlisted candidates from the applications will be invited for a two-stage selection process. It may be noted that the shortlisting/screening criteria may be higher than the eligibility criteria (e.g., if significant number of applications are received then applicants' valid GATE score could be considered for screening of the applications).
- The first stage is a written test. The purpose of this test is to gauge the fundamental knowledge of the candidate in Mechanical Engineering and General Aptitude. **No TA-DA is given for appearing for the written test.** Selected candidates in the written test will have to appear for interview(s), where the candidates will be tested in their fundamentals, research areas of interest, clarity of thought, analyzing skills, research aptitude and passion for research.



## **Important Links**

**Department Webpage**

**<https://mae.iith.ac.in/phd-admissions.html>**

**Department Overview (Video)**

**<https://www.youtube.com/watch?v=ZRN7FFr88k>**

**For research areas and faculty profiles visit:**

**<https://mae.iith.ac.in/faculty-directory.html>**

**<https://flip.iith.ac.in/books/cfsz> (Department Brochure)**

**For Queries Regarding Admission to Ph.D. program in MAE Department**

**<https://tinyurl.com/mjbk6634>**

**Contact Details:**

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