

Ph.D Programme

CSE Department, IIT Hyderabad

The set of guidelines for doing Ph.D by a candidate in the CSE department of IIT Hyderabad is as follows:

- A guide will be allotted in the beginning of the first semester based on the choices given by the student.
- A Doctoral Committee (DC) will be constituted within one month of guide allocation. The DC would conduct annual meetings to evaluate the progress of the work. The Doctoral Committee constitutes a Chairperson, the guide, and two members (one internal and another external to the department). If a suitable external member from other departments cannot be found, then the external member can be from the same department but from a different specialisation.
- A DC meeting for the PhD students will be held every year for the first 3 years and subsequently, every six months until 5 years. Beyond 5 years, DC meetings will be conducted every 3 months and an extension needs to be sought, if required, in each of these DC meetings for 3 additional months.
- Ph.D students must complete the courses as required by the department with a minimum CGPA of 7.0 within the first year of admission. The set of courses as required are described in later sections. Based on the background of the candidate, the DC may recommend that more courses be taken by the candidate. The DC may recommend the elective courses to be taken by the student.
- After the completion of the course work (at least 75% of credits), students are eligible to appear for comprehensive examination. But the students have to attempt a **comprehensive examination** within 12 months of joining. The students need to achieve a minimum CGPA of 7.0 in the course work to be eligible for the comprehensive exam.
- If the student fails in the comprehensive examination in the first attempt, he/she can attempt it again after a minimum of 1 month and within a maximum of 3 months after the first attempt. If he/she fails the second attempt, the student can either choose an exit option with an MS degree by meeting its requirements or leave the institute.
- After passing the comprehensive examination, the student has to present the research proposal seminar (RPS) within 3 months, and there will be no pass/fail in the proposal defense. RPS for regular and direct PhD students should be done within 18 months of registration. The RPS is open to the whole institute.
- Original work should be carried out at least partly under the supervision of a research guide from among the faculty members of IIT Hyderabad and defended in the form of a thesis. A co-guide, if needed, may be co-opted from IITH, industry or another institute of repute.
- Publication of **at least two research papers** in reputed journals and/or refereed conferences required to submit the PhD thesis.

Department of Computer Science and Engineering
Ph.D. (Computer Science and Engg) Curriculum
(Effective from August 2020 batch)

Regular PhD

SEMESTER – I&II		
No.	Title	Credits
CS6013	Advanced Data Structures & Algorithms; Advanced Programming Lab	3
CSxxxx	Core electives	9
Total Credits		12

Direct PhD

SEMESTER –I, II		
No.	Title	Credits
CS6013	Advanced Data Structures & Algorithms; Advanced Programming Lab	3
CSxxxx	Core Electives	21
Total Credits		24

Notes:

- A **core elective** is an elective offered by the CSE department