

# PhD (Doctor of Philosophy)

## PhD Admission Test, Eligibility and Selection Criteria

Degrees	Computing PhD (Computer Science) PhD (Software Engineering) PhD (Civil Engineering) PhD (Electrical Engineering) PhD (Management Sciences) PhD (Mathematics) PhD English (Linguistics)
Admission Test	Applicant must select only one out of the three admission test options  FAST-NUCES NTS-GAT subject (Computer Science)  NTS-GAT subject (Civil/Electrical Engineering) NTS-GAT subject (Management Sciences) NTS-GAT subject (Mathematics) NTS-GAT subject (Linguistics)
	(NTS test from specific universities will not be acceptable)
Eligibility	1 Degree in relevant subject <sup>1</sup> earned from a recognized University, after 18 years of education  Minimum 60% marks or CGPA of at least 3.00 on a scale of 4.00 in the MS/ MPhil /Equivalent <sup>2</sup>
Selection Criteria	1 Admission Test marks 60% 2 Interview to assess research potential 40%

**NOTE:** All documents/transcripts will be checked at the time of admission. Any incorrect/false information submitted by the applicant or any attempt to hide information will lead to disqualification of the candidate for admission.

### Program Mission

The PhD program requires Candidates to undertake a number of graduate level courses, pass a qualifying examination and then carry out the research in a chosen area. The candidates are required to publish research papers in journals of international repute.

### Program Objectives

- Impart in depth knowledge and application of methodology to investigate original research problems through a systemic and focused approached.
- Enable students to produce publishable research for journals and conferences of international repute.
- Enable students to conduct independent research.

### Program Outcomes

- Students will be able to exhibit specialized knowledge and ability to use appropriate research methodology in the relevant field of study.
- Students will be able to conduct systematic and focused research.
- Students will be able to publish research papers in journals and conferences of international repute.
- Students will be able to conduct and supervise independent research and can produce knowledge

### PhD Coursework

PhD coursework comprises 6 courses (Total 18 credit hours). 4 of these 6 must be taken from parent department. 'Research Methodology' must also be passed; unless already passed during MS course work.

### Comprehensive Examination

The student becomes eligible to appear in the Comprehensive Examination after passing the PhD coursework with a minimum CGPA of 3.0. This exam must be passed within Two years of admission, failing which the admission shall be cancelled.

### Research Work

The Student can start work on PhD Thesis after

- Passing the Comprehensive Examination, AND
- Acceptance of Synopsis by the Graduate Studies Committee

### Research Paper

Publication of at least one research paper in an HEC approved category journal (See PhD Handbook-2025, for details) is a requirement for submission of PhD Thesis for evaluation.

### Research Thesis

PhD Thesis must be based on original research work.

### Plagiarism Test

A Plagiarism Test shall be conducted on the Thesis before its submission to the foreign experts.

### Evaluation by Two Foreign Experts

PhD Thesis shall be evaluated by at least Two Foreign Experts.

### Local Expert Evaluation

If the Foreign Experts recommend that the work is acceptable for award of PhD, then a local committee, comprising two Local Experts and an Internal Expert (from FAST-NUCES) is constituted. The Thesis is sent to all three members of this committee.

### Open Defence

After receiving positive comments from the local experts, the student is expected to defend his/her PhD Thesis before the local committee. The student will be declared successful after this committee approves the work.