FAST-NUCES PHD PROGRAMS

SECTION 1: ADMISSION DETAILS

Degrees Offered
- PhD in Computer Science
- PhD in Software Engineering
- PhD in Civil Engineering
- PhD in Electrical Engineering
- PhD in Management Sciences
- PhD in Mathematics
- PhD in English (Linguistics)

Admission Test Options
Applicants must select only one of the following admission test options:
- FAST-NUCES Admission Test
- NTS-GAT Subject Test (Specific to the discipline, e.g., Computer Science, Civil Engineering, etc.)
- Note: NTS tests from specific universities are not acceptable.

Eligibility Criteria
- Degree in a relevant subject earned from a recognized university after 18 years of education.
- Minimum 60% marks or a CGPA of at least 3.00 on a scale of 4.00 in the MS, MPhil, or equivalent degree.

Selection Criteria Weightage
- Admission Test Marks: 60%
- Interview (to assess research potential): 40%

SECTION 2: PROGRAM OVERVIEW

Program Mission
- Candidates undertake graduate-level courses, pass a qualifying examination, and carry out research in a chosen area.
- 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 systematic and focused approach.
- Enable students to produce publishable research for journals and conferences of international repute.
- Enable students to conduct independent research.

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

SECTION 3: ACADEMIC REQUIREMENTS

PhD Coursework
- Comprises 6 courses totaling 18 credit hours.
- 4 of these 6 courses must be taken from the parent department.
- Research Methodology must be passed unless already passed during MS coursework.

Comprehensive Examination
- Students become eligible to appear for the Comprehensive Examination after

passing PhD coursework with a minimum CGPA of 3.0.
- This exam must be passed within two years of admission, otherwise admission shall be cancelled.

SECTION 4: RESEARCH AND THESIS PROCESS

Starting Research Work
Students can start work on the PhD thesis after:
- Passing the Comprehensive Examination.
- Acceptance of the Synopsis by the Graduate Studies Committee.

Research Paper Requirement
- Publication of at least one research paper in an HEC approved category journal is a requirement for the submission of the PhD thesis for evaluation.

Research Thesis and Plagiarism
- The PhD thesis must be based on original research work.
- A plagiarism test is conducted on the thesis before its submission to foreign experts.

SECTION 5: EVALUATION AND DEFENCE

Foreign Expert Evaluation
- The PhD thesis is evaluated by at least two foreign experts.

Local Expert Evaluation
- If foreign experts recommend the work is acceptable, a local committee is constituted.
- This committee comprises two Local Experts and an Internal Expert from FAST-NUCES.

Open Defence
- After receiving positive comments from local experts, the student defends the thesis before the local committee.
- The student is declared successful after this committee approves the work.