Doctor of Philosophy in Computer Science (PhD in CS)

Introduction to PhD Program:

A PhD in Computer Science is expected to serve highly consequential functions in society, including in the fields of teaching and research. With in-depth training and immersion in this field of study, which includes making an original contribution to the area of study through the PhD dissertation, those holding PhD degrees are expected to have expertise in their area of study that they can utilize in teaching and further research, as well as in problem-solving and innovation to address important societal challenges. While other degree programs aim to teach students the things that we (the academic community) know, the purpose of a PhD program is to enable students to investigate what we do not know.

Objectives of the PhD Program:

The objectives of the PhD in Computer Science program include:

- To develop a deep knowledge of and understanding of computer science core areas, providing them with the ability to create and implement solutions across a broad spectrum of computer application areas
- To enable students to understand and analyze problems and arrive at computable solutions
- To expose students to the set of technologies that matches those solutions.
- To develop the ability to analyze complex computer science problems and obtain relevant knowledge and information to contribute to the understanding of the problem and/or propose new solutions

Scope and Employment Perspective of the program:

The possibilities for a computer scientist today are virtually limitless. As the demand for new and improved technology grows, so does the demand for computer science grads. Launch a career in cyber ops, software development or information research – or innovate a whole new field.

The need for computer science experts is thriving in every job space and is not limited to technology. Since this is a highly in-demand career choice with high paying salaries, an advanced education coupled with excellent skills is mandatory. Following are some of the popular computer science career tracks that can be pursued by graduates:

- Startup Founder
- Data Architect
- Applications Architect
- Network Architect
- Software Developer
- Data Scientist
- Academia
- Researcher

Computer Science, with its applications in almost every field, CS gives you the maximum options to land a job in any industry. Our PhD program primarily focuses on different streams, i.e., Artificial Intelligence, Internet of Things, Blockchain, Software engineering, Machine Learning, and computer Networks, etc.

Eligibility Criteria to Apply for PhD in CS Program:

(1) PhD candidate shall possess at least 18 years of education (MS/MPhil degree) or equivalent qualification in the relevant subject.

(2) The candidate shall have at least First Division (in the Annual System) in MPhil/MS/equivalent degree or minimum CGPA 3.00 (out of 4.00 in the Semester System).

(3) The candidate must have earned at least 06 CH research in his/her MS/MPhil program. If there is no research, then the admission committee will decide.

(4) The candidate shall also have at least 60% marks in the annual examination system or 3.00 CGPA (out of 4.00 in the semester system) or 70% in the semester system examination, in a terminal degree.

(5) 70% marks are mandatory to pass DSBWT; however, merit shall be calculated on the basis of marks obtained out of 100 as per the above description. In case the CGPA or % obtained by the candidate is not mentioned on his/her transcript, the academic qualification marks shall be calculated as per the GAUS evaluation policy.

(6) Any other requirement notified by HEC or GAUS from time to time.