

# PhD in Computer Science and Engineering

NU offers a full-time PhD in Computer Science and Engineering (CSE). This programme builds on candidates' prior education and experience and involves independent study and research in their specific area of interest. The programme encourages original research in this field and affords students plenty of practical experience in the classroom. Post their doctoral degree, NU's research scholars can aspire to faculty positions in leading academic institutions or continue to be at the forefront of cutting-edge research in academic government or corporate research laboratories.

## Areas of research

NU's PhD (CSE) programme aims to collaborate with other reputed research organisations for R&D to bring out high-quality research that will contribute to the development of the field of Science and Technology. Doctoral students can explore new research areas in **CSE**. They are expected to publish original research articles in reputed journals and conferences to earn their doctoral degree.

Data Science

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Artificial Intelligence and Machine Learning

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Image Processing and Computer Vision

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Natural Language Processing and Text Mining

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Data Engineering

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Algorithms

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Computational Geometry and Graph Theory

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Cryptography

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Cyber Security

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Computer Networks

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Cloud Computing

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Fog and Edge Computing

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Mobile and Ad hoc Networks

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Web Intelligence

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## State-of-the-art Computer Science laboratories

Doctoral students at NU have access to enriched state-of-the-art research laboratories to carry out advanced level research in disparate thematic areas such as:

Information-centric Network

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Malware Analysis

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5G Networks

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Wireless Sensor Networks

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Wireless Ad hoc Networks

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Data Engineering

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Machine Translation

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Document Summarization

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Visual Information Retrieval

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Pattern Recognition

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## Why NU

A doctoral degree at NU averages four years to complete. The first year provides students with the necessary background in their chosen field, finalising their research proposal, and kick-starting their research. A Doctoral Committee, comprising experts in the chosen area of research, meets once every semester to monitor the progress of the research done. The committee members give valuable suggestions and critical feedback with respect to the ongoing research.

Apart from this, NU offers doctoral candidates a slew of benefits.

Research in new cutting-edge areas

Scholarships for every student

Financial support to every student to present papers at international conferences

High level of mentoring and support, while not diluting the quality of the submitted dissertation

Opportunity to get feedback from industrial mentors

NU invites interested candidates to learn more through the links below.

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