THE NORTHCAP UNIVERSITY

NAAC Accredited

25+ YEARS OF EXCELLENCE

Ph.D.

Ph.D. Programme
for Working Professionals

PhD Admission for Working Professionals

Persons employed in industry / Govt. /Autonomous bodies / public sector undertakings are considered as working professionals.

The NorthCap University (NCU) wishes to enroll Industry Professionals to the part-time PhD programme in the following specialisations. The prospective applicants may visit the campus and meet the potential PhD supervisors on any working day or visit **www.ncuindia.edu/phd** for detailed information.

Name of the School/Department	Broad Areas of Reseach
Department of Multidisciplinary Engineering (MDE)	**Mechanical Engineering** Thermo-Fluid Engineering, Industrial, Engineering, Production Engineering, Mechanical Engineering Design, Waste Management, Refrigeration and Air Conditioning
	Civil and Environmental Engineering Water Resources and Environmental Engineering, Structural Engineering, Geotechnical and Transportation Engineering, Engineering Materials
	Electrical, Electronics and Communication Engineering Wireless Communication, Signal, Speech and Image Processing, VLSI and Semiconductor devices, Power System, Renewable Energy, Biomedical Electronics, Integrated Circuit Design
Department of Computer Science and Engineering (CSE)	AI, Machine Learning & Deep Learning Big Data Analytics & Cloud Computing Cyber security & Digital Forensics Computer Vision, Image Processing, Natural Language Processing Wireless Sensor networks, Bioinformatics Soft computing, Optimisation, Software Engineering Smart Agriculture, IoT, ML applications in Renewable Energy
Department of Applied Sciences (APS)	**Physics** **Chemistry** **Mathematics**
Centre for Languages Learning (CLL)	American Literature, Canadian Literature, British Literature, Indian Writing in English, World Literature, Gender Studies, Medical & Health Humanities, Postcolonial Literature (Memory Studies, Life Narratives and Diasporic Literature), Travel Literature, Film Studies, Cultural Studies
School of Management & Liberal Studies (SOM&LS)	Finance, Economics, Marketing, HRM, Operations, Psychology
School of Law (SOL)	Human Rights Law, International Law, Environmental Law, Constitutional Law, Personal Laws, Criminal Laws, Intellectual Property Rights (IPR) Laws, International Trade Law, Corporate Law, Commercial Dispute Settlement Law, Technology Law

Eligibility Criteria:

[A] School of Engineering and Technology

a. Engineering

M Tech/M.E. degree in relevant branch of Engineering with minimum 60 % marks* in aggregate or equivalent CGPA. **or**

B. Tech./B.E. degree in relevant branch of engineering from IIT/NIT or the university and institution within 100 NIRF ranking in the academic year of consideration or NAAC grade A/A+/A++ with 8.5 CGPA or equivalent percentage in aggregate. **or**

MCA / MSc (Electronics/Computer Science/Information Technology) with minimum 8.5 CGPA or 77.5% in aggregate [only for admission in CSE dept. or ECE discipline].

b. Applied Sciences:

M.Sc. in relevant branch (Physics, Chemistry, Mathematics) degree with minimum 60% marks* in aggregate or equivalent CGPA and a valid GATE/NET/JRF/SLET score. **or**

M.Sc. in relevant branch (Physics, Chemistry, Mathematics) degree with minimum 67.5% marks* in aggregate or equivalent CGPA.

c. Humanities:

MA (English) or M.Phil. (English) degree with minimum 55% marks in aggregate or equivalent CGPA

[B] School of Management & Liberal Studies

Post-Graduation in any branch of Engineering, Management, Economics, Commerce, Operations Research with min. 60% marks* in aggregate or equivalent CGPA. The Chartered Accountants from ICAI with a minimum work experience of 5 years are also eligible. **or**

Four-year undergraduate research degree / honors in any branch of Engineering, Management, Economics, Commerce, Operations Research and the university and institution within 100 NIRF ranking in the academic year of consideration or NAAC grade A/A+/A++ with minimum 8.5 CGPA or equivalent percentage in aggregate.

[C] School of Law (SOL)

Master's Degree in Law from a recognised University with not less than 55% marks or its equivalent. **or**

Master's Degree in any discipline from a recognised University with not less than 55% marks or its equivalent; provided that candidates with qualifications in social sciences, humanities and sciences may be admitted to the Programme if the research they wish to pursue interfaces with the discipline of law with a special focus on Public Policy or Law. **or**

Judge of any State High Court in India with three years' experience or Judge of Supreme Court of India

* 5% relaxation in minimum eligibility criteria for working professionals (industry / Govt. /Autonomous bodies / public sector undertakings) with more than 10 years of experience.

Best Practices at NCU

- High quality research program at par with International Benchmarks.
- Faculty Supervisors at NCU have graduated from reputed National Institutes with and have rich research experience.
- IBM and AWS certified Faculty supervisors in Big Data and cloud computing domain, respectively.
- Centre of Excellence in Data Science and Cybersecurity with industry partnership.
- State-of-art infrastructure with high end research labs such as iMac lab, AR/VR lab, High-performance computing lab, Daikin Centre of Excellence, Mitsubishi Centre of Excellence, NavIC lab (in collaboration with ISRO), etc.
- Multidisciplinary research work in collaboration with other departments.

Success Stories

- Sumanlata Gautam: Oracle
- Rajat Gupta: Care Directror, Nokia India
- Anshul Vats: Project engineer, level 2, ERNET India, MEITY, GoI
- Ajay Bohtan: Indian Army Vetaran
- Naveen Kumar: Stratergy Sourcing Manager, HeroMotoCorp Ltd.
- Ritu Dhingra: Regional Vice Chair (East and Southern Asia), International Union for Conservation of Nature
- Indu Bala: Post Doctoral Fellow, The University of Adelaide, Australia
- Rajesh Kumar: Mining Officer, Mines and Geology Department, Haryana
- Dharmendra Kumar Srivastava: Associate Vice President, Bloom Companies

Selection Process

1. The candidate is required to appear for the NCU Ph.D. Entrance Test (NPET).
   The test paper will be of objective type (MCQ) to be attempted in 1 hour (max) either in an online or ofline mode. There will be no negative marking. The paper consists of questions on logical and analytical reasoning.
2. Candidate will be required to appear for an interaction/discussion in the research area of interest with PhD guide on the same day of the Entrance test.
3. Candidates with valid GATE, NET, SLET score will be exempted from written exam NPET.
4. Programme fee: Rs. 50,000 per semester
5. Coursework: 12 credits to be earned in an online mode or through MOOCS or through working Saturdays on NCU campus.
6. Candidates interested in enrolling for PhD programme should fill the form available at apply.ncuindia.edu/phd

S.No.	Important Dates	Date
1.	Last date for submission of fully filled application forms	02 Jan 2024
2.	Entrance Test (NPET) and Interview (online/ofline)	06 Jan 2024
3.	Online display of admission list	08 Jan 2024
4.	Last date for fees deposition and document verification	15 Jan 2024
5.	Commencement of classes (online/weekend/MOOCS) Limited number of scholarships are available in each specialisation	20 Jan 2024

Expected Timelines*

Coursework completion (by 2nd sem) → Research Proposal Approval (by 3rd sem) → Research Publications (by 6th sem) → Thesis Submission (by 7th sem) → Degree Awarded (by 8th sem)

*Extraordinary candidates may complete PhD in three years, subject to fulfilment of all requirements as per UGC norms.

About NCU

The NorthCap University (NCU) is a progressive multidisciplinary university located in the city-centre of Gurugram. The University's rich heritage of 25 years, 11,000+ alumni and robust academic infrastructure enables deep linkages with government, industry and research bodies. The University operates four schools in its state-of-the-art urban campus and hosts a diverse student body of engineering & technology, management, liberal arts, law, and applied sciences aspirants.

NCU is a NAAC Accredited university and serves as research as well as talent catalyst between students and industry. Guided by eminent academics and industry leaders, it follows an immersive pedagogy to deliver undergraduate, postgraduate as well as doctoral programmes. The university is a comprehensive partner of Arizona State University (#1 University in the U.S. for innovation, outreach and stewardship) and benefits from a strategic collaboration which focuses on innovation, internationalisation and digitisation. NCU students enjoy accelerated master's programmes in the US given this partnership.

NCU is recognised by the University Grants Commission (UGC) and by the Bar Council of India (BCI). It is a Member of the Association of Indian Universities (AIU), Member of the Association of Commonwealth Universities (ACU) UK, a Member of the American Society for Quality and is accredited by Accreditation Services for International Colleges (ASIC), UK. With a 5-Star QS Ranking for Teaching, Employability & Online Learning, NCU ranks among the Top 30 Best Performing Universities as per ARIIA rankings. Students from NCU work with reputed global as well as Indian organisations in engineering, technology and management.

For Admission Queries, Contact:

Dr. Rohit Singh Lather (Director CPAA)
Mobile: 9899960797
Email: rohitlather@ncuindia.edu

Prof. Nitin Malik (Dy Dean RDIL & PhD)
Mobile: 8010529215
Email: nitinmalik@ncuindia.edu

The NorthCap University

Sector 23A, Gurugram-122017
Tel: +91 124 2365811/12
Email: ncu@ncuindia.edu
Web: www.ncuindia.edu