The NorthCap University

All PhD programmes

Admission Brochure 2019-20
SOET, SOM, SOL, APS, ENGLISH

www.ncuindia.edu
The NorthCap University

Ranked No. 117 in Engineering Category (All India)
Ranked 151-200 in all India University Rank Band 2019

DISCLAIMER
While every effort has been made to ensure that the information in this brochure is accurate at the time of publication (April 2019), all matters that it covers may be subject to change without notice. The information is meant for illustrative purposes only, and cannot be quoted as authority, for which the rules, regulations and notifications concerned shall be referred to. In particular, information about the structure of studies of the different branches of Engineering, Management and Law taught at the University is subject to continuous upgradation. The University does not intend, by the publication of this brochure, to create any contractual or other legal relations with students, their advisors or any other stakeholders and the University reserves the exclusive right to change or withdraw any statement in this brochure without notice.
We have no other branch or campus in India.
NCU trademark has been registered vide Registration no. 3001127 dated 08 Sep 2016.
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Quality Benchmarks

In keeping with the changing demands in education, NCU offers a redesigned curriculum that prepares you for the future workplace. The learning methodology integrates multi-disciplinary and contemporary global pedagogy across Law, Management, Sciences & Engineering and Technology along with skills and competencies such as critical thinking, problem solving and working in cross-functional teams - essential constituents for modern day success. At NCU, we ensure your professional development through engaging modules in personal development, communication and leadership.
Established under Haryana Private University Act No. 25 of 2009 (Third amendment)
Recognised by the University Grants Commission, Govt. of India, under Section 2(f) of the UGC Act 1956, and empowered to grant degrees under Section 22 of the Act. Recognised by the Bar Council of India, Govt. of India Accredited by Accreditation Services for International Colleges (ASIC), United Kingdom, in the category of 'Premier' Universities, with 'Commendable' Grades, for 2016-2020.
Institutional Member of American Society for Quality (India)
Member of the Association of Commonwealth Universities
Recognised as the BEST .govcampus
Member of Association of Indian Universities
Member of International Students Exchange Programme
University is accredited by the National Assessment and Accreditation Council (NAAC) for period 2016-2021
The University ranked in rank band 101 to 150 in the Engineering Category and rank band 151-200 in University Category in the NIRF Ranking released in April 2018 by MHRD.
The NorthCap University Testing Centre established as per ISO/IEC:17025-2005, is NABL Accredited for the Mechanical Testing of Building & Construction Materials.
School of Law, NCU Ranked No. 9 amongst Top Law Schools of Eminence, All India and No.1 in Haryana by GHRDC Law Schools Survey June 2018.
Ranked No. 1 amongst Top Engineering Colleges in Haryana and Ranked No.3 amongst Top Engineering Colleges of Eminence in India in the CSR-GHRDC Ranking Survey 2018 published in the July 2018 issue.
Ranked No. 1 Private Engineering Institutes state Ranking Haryana and No 48 in all India Top 100 Private Universities League
NCU Ranked No. 1 amongst Top Law School in Haryana and ranked No. 9 among Law School of Eminence in all India Hansa Research Survey May 2018.
Ranked among Top Private and Deemed Technical Universities All India.
Ranked 2ⁿ All India in the University Category in the Swachhta Ranking 2018 by MHRD, Govt of India.

**Founder Members**

N K Dewan  
Kavita Mishra  
Shiv Saran Mehra  
V Daulet Singh  
Neera Makhija  
Avdhesh Mishra  
Z Daulet Singh

**Vision, Mission and Core Values**

**Vision**
To be known globally for learning innovations, academic excellence and socially relevant research outcomes; strive to become the preferred destination for students, faculty, employers and collaborators & pride of alumni and the community.

**Mission**
- Focus on quality of learning and innovation in all programmes with rigour and relevance.
- Develop competent professionals - innovative, analytical and independent; committed to excel in all their endeavours.
- Develop linkages globally with government, industry, academia and alumni for knowledge generation, dissemination and application.
- Encourage multi-disciplinarity in programmes and projects to explore new frontiers of knowledge.
- Continuously improve physical, academic and information infrastructure in pursuit of academic excellence.
- Create a nurturing environment for lifelong learning.
- Focus on entrepreneurship and socially relevant projects.

**Core Values**
- Integrity in all endeavours.
- Humility, compassion and concern for all.
- Passion for quality and excellence.
- Quest for innovation.
- Leadership and Team Spirit.
- Autonomy with Accountability.
- Perseverance.
Message from the Governor

Hon'ble Mr Satyadev Narayan Arya
Governor of Haryana
Visitor, The NorthCap University

It gives me immense pleasure to welcome you to The NorthCap University, one of the most progressive and innovative places of higher learning in Delhi-NCR. Being a multidisciplinary university engaged in cutting edge research it provides life-changing opportunities to aspiring professionals in the core sectors of science and technology, management and law and prepares you for the future workplace.

In an era where new knowledge lies at the intersection of different disciplines, NCU’s focus is on collaborative, multidisciplinary and integrated learning. Trans-disciplinary learning and research strategies make work more interesting, useful to society and in accordance with best global practices. In a nurturing environment we inspire innovation, encourage entrepreneurship and create a youth capital capable of transforming society. The University has global alliances with highly reputed academic institutions and industrial organizations for collaborative academic and research work as we believe in preparing leaders who can contribute to national and global economies.

Strong emphasis is laid on empowering students with intellectual skills and professional abilities that will enable them to seamlessly integrate and grow in a corporate environment. Besides academics the University provides excellent physical infrastructure and support to pursue sports, hobbies and co-curricular activities for their holistic growth and development. The University grooms students with skills for lifelong learning and continuous development, inculcates values so that they are good human beings, responsible citizens who, through their impactful work, will leave ‘footprints on the sands of time’.

As a prospective student, parent or guardian I wish to assure you that if our students have the will, our team of distinguished and dedicated faculty will help them take the giant leap from the classroom to the real world and realize their dreams.

Warm regards

(Satyadev Narayan Arya)
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Warm regards
Welcome to The NorthCap University (NCU), a major private university of North India with a perfect blend of quality education, research, faculty, industry collaboration and practical exposure. To encourage a vibrant intellectual culture, the University has on board domain-expert faculty as well as experienced stalwarts from the corporate world as we consider that a great teacher alone can transform students through inspiration and involvement. We continuously enhance our academic capabilities and instructional skills which will enable us to maintain our expertise and currency in our respective disciplines.

We focus on quality in all its dimensions and offer innovative programmes of study and research to ensure that every student is well equipped for the opportunities in the emerging future. The entire course structure is regularly reviewed and updated keeping in view the latest developments in specific subject areas. Our challenge is to help generate ideas that will benefit society. NCU is an institution that nurtures talent and we provide our students a platform for global interaction amongst educationists and intellectuals. A balanced development inculcating right attitude and desire for learning to learn, together with sound basic technological knowledge of the domain, is our primary objective. We try to build a strong character in our students and groom them into professionals who can adapt themselves in meeting global challenges in the highly competitive world of tomorrow. We empower students to ‘work smart’ for a lifetime of personal and professional fulfillment.

Student-led clubs, social, cultural and sports activities enliven the campus and prepare you to be mentally and physically fit, so necessary in high demanding job profiles. We nurture you to be a good human being and excel in different realms of life and prove your calibre. We inculcate in you a desire to succeed that is far greater than the fear of failure.

Well qualified and dedicated faculty, industry-ready curriculum, technologically advanced teaching modules, fructifying placement results, locational advantage for strengthening academia-industry linkages and excellent infrastructure make NCU a frontrunner in North India. The University is pioneering new ways of using online technologies to enrich the educational experience and expand opportunities for learners.

Let me assure you that whatever course of study you choose, you can be certain that it will be a life changing experience for you. In your quest for quality education and learning I invite you to be a part of The NorthCap University and experience the excitement of success.
Message from the Vice-Chancellor

Prof. H B Raghavendra
Vice-Chancellor & Professor

It is my privilege to welcome you to The NorthCap University (NCU), a premier University of Delhi-NCR and North India, dedicated to its vision of being known globally for academic excellence and socially relevant research outcomes. We not only keep pace with various advancements, but also strive to visualize future requirements and reorient our curricula accordingly. In a span of a few years, we have grown to be one of the foremost educational institutions in North India. The University was ranked in the National Institutional Ranking Framework (NIRF) released by MHRD in all the years 2016-2018. The NorthCap University was accredited in May 2016 by the National Assessment and Accreditation Council (NAAC) for a period of five years i.e. 2016-2021. Accreditation Services for International Colleges (ASIC), UK reaccredited the University in the category of 'Premier' Universities with 'Commendable' Grades, for 2016-2020. In Oct 2018 NCU was ranked 2nd amongst the Cleanest Higher Educational Institutions in the Country in the Category 'University (Non Residential)'. The University won this award for Maintaining, Promoting and Encouraging the culture of 'SWACHHATA' in Higher Educational Institutions in the Country. NCU is recognized by the University Grants Commission (UGC) and Bar Council of India (BCI) and several prestigious awards have been conferred on the University in successive national surveys.

The University offers a wide range of professional programmes in diverse areas of Engineering, Law, Management and Applied Sciences at Undergraduate, Postgraduate and PhD levels. Our multidisciplinary programmes are contemporary with flexibility and choices featured in their curriculum design at par with international standards. We constantly update programmes and course content to meet the challenge of grooming professionals with knowledge and skills for the perpetually changing needs of the industry. We have introduced project based modular learning in a few courses in the Depts of CSE, ECE and CEE. It helps students work with industry associates on industry projects and also apply knowledge learned in their professional life, enhancing their employability. In addition, students get flexibility to choose their course options across all Schools at the University. We offer blended learning by using e-learning with regular teaching with special focus on hands-on training. Context Learning has been introduced to help bridge the divide between classroom learning and the rapidly changing real world of newer technologies. The University takes care of not only meritorious students but is also providing Value Added Courses with training modules to weak/slow learners. This is helping in improving their skill sets and makes them feel good not only at the University but also enhances their employment opportunities.

NCU has associations with many leading IITs and you can study various courses conducted by them, use IIT lab facilities through their Virtual Lab platform, take their online tests and earn certificates awarded by them. Our focus is on research so that you gain higher technical and scientific competence, to have an edge over others. The Research, Development and Industrial Liaison (RDIL) Cell, the well-equipped Central Research Facility, the Centre of Excellence, the Incubation Centre, apart from well-equipped labs and workshops will support your innovative ideas and help them materialize into reality. A Tinkering Lab is being nurtured as a central facility to encourage all students to work on projects of their interest and create artefacts that would bring them satisfaction and gain confidence.
The NorthCap University Testing Center (NCUTC) is accredited by NABL for Mechanical Testing of building materials.

A significant part of the University’s overall research is undertaken in collaboration with industry partners. NCU itself also supports research students and provides related funding for equipment etc. To enhance and support innovative projects, the University provides funds from the Vice-Chancellor’s Innovation Fund, which supports up to Rs 15 lacs per department for projects led by the faculty and Rs 2 lacs per project for student projects. The Best Project Awards motivate undergraduate student research at NCU. Future plans involve major investment in new, cutting edge equipment and development of research laboratories. In 2018, ten research projects for a total amount of Rs 2.36 crore have been sanctioned by funding agencies and Rs 1.40 crore have been received till date. One DST (WOS-A) project of 36.96 Lakhs was technically approved on 20 Feb 2018. In addition to these, 12 research projects have been submitted to various funding agencies. Recently the University collaborated with the National Technical Research Organization, New Delhi, for collaborative working arrangement on specific research and development projects.

The University's focus is on building and strengthening association with industries and the Government for community development programmes and for providing opportunities to students in India and abroad. Student internships are arranged in a wide spectrum of industries to make students and faculty aware about the latest developments and futuristic needs of the industry. NCU has collaborations with reputed industries such as Daikin, MACE, Space Application Centre (ISRO), IBM, Mitsubishi Electric India Pvt Ltd, Delta Power Solutions India Pvt Ltd, Beijing Wavespectrum Science and Technonology Co China, CADD Centre, Power Grid Corp of India and many more.

NCU has exchange programmes with universities abroad namely ITB, Ireland; University of Chester, UK; University of Regina, Canada; Michigan Technological University, USA; University of Dayton, Ohio, USA; Shibaura Institute of Technology, Japan; MAGES Institute of Excellence, Singapore, among others. The Office of International Relationship facilitates students who want to study abroad and for student and faculty exchange.

Since we believe in the holistic development of our students, we offer our students various platforms to showcase their talent and creativity at both national and international levels. Our students get opportunities to take part in sports and other activities and have been applauded both nationally and internationally. We strive to empower our youth capital with skills, abilities and attitude that will enable them to win deals, drive decisions and go on to become leaders and influencers and determine the fate of companies.

The University has a proud record of evolving efficient, confident and highly knowledgeable technocrats, managers, entrepreneurs and legal minds with a global perspective that can contribute to nation building with a strong adherence to corporate ethics. After graduating from NCU, we support our students in placement in reputed organizations through our School of Professional Placement. The University also has tie-ups with Professional Assessment Agencies for scientific third party assessment so as to ensure that the students get good placement offers. We have been able to achieve an enviable placement record of over 92% of eligible students, nationally and internationally.

Students find learning at NCU an invigorating experience. My best wishes to all for a challenging and fruitful journey of academic excellence and creativity at The NorthCap University.
Message from the Registrar

Col. Bikram Mohanty (Retd)
Registrar, The NorthCap University

The NorthCap University is an ambitious, dynamic and environment friendly university. We have moved a long way since we started our journey as a young institution twenty two years ago, which transformed into a university in 2009. The University prides itself in being a leading name in imparting education in various disciplines of engineering, sciences, law and management. The high quality of education, visionary leadership, dedicated faculty, industry academia collaboration along with excellent supporting facilities prepare students to accept challenges, seize opportunities and take the lead.

We educate students to become better individuals at every stage of life. We use the latest technology, e-learning, online learning tools etc. along with regular classroom learning with emphasis on practical work and hands-on training to scale up on student experience and learning value. NCU is committed to totally merit based decisions in every aspect of its operations. NCU has active student chapters of reputed professional societies like ASQ, OSA, SAE, IEI and many others so that members get an opportunity to grow, identify their individual talent and groom skills to their full potential.

The University maintains a high standard of discipline on its campus and hostel and offers a free and congenial atmosphere in a gender-equality environment with a complete ragging free campus, conducive to learning of the highest order. We provide facilities for a plethora of activities, events, symposia etc. to encourage learning beyond the classroom and on graduating offer tremendous opportunities through stellar placements.

NCU's website provides the requisite information regarding every aspect of the University in a user friendly manner. The website and our active presence on social platforms like Twitter, Facebook, Linkedin, Global plus etc. has enhanced our connectivity at the global level. We invite you to be a part of this forward looking university as the years ahead will be the most crucial part of your education that will shape the rest of your lives.
A Premier City University
As we look to the future, one thing is certain – application of knowledge and skills will be a key resource you have to equip yourself with, to gain a passport to a successful life and career. With NCU, you get it all: innovative teaching with focus on research, curriculum that prepares you for the future workplace, strong links to global industry and world-class facilities. Our flexible study options, opportunities to study abroad and work placement programmes mean you don’t just study a course at NCU – you get a great experience while getting ahead in your career. The NorthCap University encourages education that is distinctly interdisciplinary and international. We work across disciplines and beyond the University, connecting the brightest minds to find innovative solutions to the world’s greatest challenges. We are proud to be consistently ranked amongst premier institutions of higher education in North India.

To give wings to your creative instincts, we offer you the right platform at The NorthCap University. Academic life is full of opportunities that offer mobility in the fast growing new-age verticals. Our multidisciplinary programmes are contemporary, covering a range of specialist topic areas with flexibility and choices featured in their curriculum design at par with international standards. We constantly update programmes and course content to meet the challenge of grooming professionals with knowledge and skills for the constantly changing requirements of the industry. We offer blended learning by using e-learning with regular classroom learning with emphasis on hands-on training. A real-world experience is a crucial component of our education and training. Our innovative curriculum supports sustainable development in science, technology, engineering, management and law. Independent and creative thinking is encouraged for people to interact, not just to share information but to create new knowledge. The Vice Chancellor’s Innovation Fund can financially support you in exploring your ideas in live projects. To accelerate research, innovation, quality of teaching-learning and to facilitate student and faculty exchange, NCU has collaborated with leading universities of the world. We also encourage you to become the best by participating in the activities of leading professional societies and engaging modules in personal development, communication and leadership.

Students First
To enhance student learning, ‘Students First’ is the motto and driving force behind all activities at the University. We empower our students to achieve professional and personal success, ready to change the landscape of the future. Our objective is to transform our students into not only competent professionals, but also good human beings. We believe that for a brighter tomorrow the present should be nurtured and guided in the right direction with a healthy spirit. Students learn how to learn and are constantly motivated to meet the rigours of academics. They are closely supported and mentored by a strong and progressive team of teachers and peer tutors who help them use the course concepts to acquire skills of critical thinking and problem-solving - producing students who are more mature and self-regulating learners with sophisticated learning skills. The University has over 70% PhD faculty. We have six Padma Bhushan and Padma Shri awardees and six Bhatnagar awardees associated with the University.

Excellent Placements
With a dedicated School of Professional Attachment we have been able to achieve enviable placement results both nationally and internationally. The University has a tie-up with professional assessment agencies for scientific third party employability evaluation that further enhance hiring opportunities. Placements each year are around 92% of eligible students.

Flexible, Choice Based Education
Choose the academic pathway that best suits your interests and strengths, learn from the best academia and industry stalwarts, research using the best facilities, get certified by IITs, earn foreign degrees and finally get placed in your dream organization! Each year the University receives about Rs 1.5 crore for sponsored/collaborated projects. That is why you should study at The NorthCap University, an ambience conducive to learning of the highest order.

Thought Lab
The University has established a ‘Thought Lab’ to reduce negative energy and stress, develop a positive attitude and improve the overall development of students. Channelizing thoughts effectively will improve your experience while studying at NCU.

Tinkering Lab
To encourage you to pursue your passion, a platform in the form of a ‘Tinkering Lab’ is now available to enable you to convert your ideas into tangible outcomes.

Great Infrastructure
To make your time at NCU enjoyable and enriching we provide centrally air-conditioned excellent academic infrastructure which includes hi-tech classrooms equipped with state-of-the-art multimedia teaching aids, Central Research Facility, Centre of Excellence, Incubation Centre, well equipped labs and workshops, state-of-the-art Auditorium, Library etc. where you can not only carry out practical training but also indulge in extensive research. We maintain close industry relationships so that classroom learning and teaching can be converted into practical training relevant to your future career. Collaborating and sharing resources, processes and systems with other universities and communities have accelerated research, innovation, quality of teaching and learning and the student experience.

The floodlit sports field is available to you to play cricket and football apart from other games such as Basketball, Tennis, Volleyball, Netball, Badminton and indoor games like Table Tennis, Chess and Carrom. We have a well-equipped student centre complete with a modern air-conditioned cafeteria.

In close proximity to Delhi, in the industrial hub of Gurugram, The NorthCap University has built on its admirable legacy of over two decades. You couldn’t find a better place in which to begin to build a successful life and career.
Our Academic Advisory Board Members

Mr Analjit Singh
Padma Bhushan
Chairman, Vodafone,
Chairman, Max New York
Life Insurance

Dr Devi Singh
Member Governing Body
FLAME University, Pune
Former Director - IIM,
Lucknow

Mr Vikram S Mehta
Chairman,
Brookings India &
Former Chairman,
Shell Companies
in India

Mr Suresh C Rajpal
Chairman & CEO,
Visnova Solutions, Noida
Former President & CEO
Hewlett-Packard (India)

Prof. KL Chopra
Padma Shri
Former Director,
IIT Kharagpur,
SS Bhatnagar Awardee

Prof. MK Jain
Ex- Dy. Director
IIT Delhi & Professor of
Mathematics

Prof. TK Datta
Dogra Chair
& Emeritus Professor,
Dept. of Civil
Engineering, IIT, Delhi

Mr Indu Bhaskar
Scientist F & HOD,
Department of Scientific
& Industrial Research,
Team Leader
(TPDU Program), DSIR
New Delhi

Prof. Karmeshu
Honorary Distinguished
Research Professor,
The NorthCap University,
Prof & Dean,
School of Computer
& Systems Sciences,
JNU, New Delhi
SS Bhatnagar Awardee

Mr Ajai Chowdhry
Padma Bhushan
Honorary Adjunct
Professor,
The NorthCap University,
Founder – HCL,
New Delhi

Prof. SK Joshi
Padma Bhushan
Former – DG, CSIR
& Hon. Distinguished
Scientist (CSIR)

Prof. Siraj S Hasan
Distinguished Professor
and former Director,
Indian Institute of
Astrophysics, Bangalore

Prof. AS Brar
Former Vice -Chancellor,
Guru Nanak Dev
University,
Amritsar, Punjab

Prof. Ranbir Singh
Vice -Chancellor
National Law University,
New Delhi
President, AIU

Dr PS Rana
Chairman & MD,
Pathera Developers
Former Chairman & MD,
HUDCO
endeavour in this direction has resulted in successfully forging progressive alliances with premier institutions round the globe. Besides obtaining recognition by accreditation agencies and statutory bodies, the University has been collaborating to share knowledge and resources with other universities and academic communities throughout the world. This is part of an important strategy to accelerate and sustain success. Our University caters to the huge demand for ICT professionals.

Our Knowledge Partners

A Partnership for jobs of the future.

Commitment to raising standards in education and preparing the next generation of students related to CSE & ECE. This agreement is embed in the BTech programmes, especially courses in newer technologies which can be applied for a Master of Engineering degree in Master of Engineering. Students proceed to apply for a Master of Engineering degree in Science & Engineering.

Agreement with the University of Dayton, Ohio, USA signed in 2017. The University has an effective and has a good reputation at with campuses at Chester and Warrington, 2011 for a semester abroad programme. The Agreement was signed in May for collaborative research and for student and faculty exchange. The Agreement was signed in May for student and faculty exchange. The Agreement was signed in May for student and faculty exchange. The Agreement was signed in May for student and faculty exchange.

Agreement with the University of Chester, UK, was signed in 2012. The Chester Agreement with the University of Chester, Ireland and is collaborating significantly in Partnership Agreement in place with ITB University of Chester: ITB Ireland: Part of International Linkages Partnerships & for Electricity

The NorthCap University signed a Partnership Agreement with the University of Dayton, Ohio, USA signed a Partnership Agreement to undertake joint and faculty at NCU. They will also suggest partnerships &

MAGES Institute of Excellence, Singapore, in Aug 2018. Under this Agreement with MAGES Institute of Excellence, Singapore, we can provide guidance and training in new technological areas like Virtual Reality, Artificial Intelligence, Data Analytics and other emerging areas to students.

The University of Regina, Canada signed a Partnership Agreement with the University of Dayton, Ohio, USA signed a Partnership Agreement in Electronics Systems Engineering and in Software Systems Engineering, respectively. Selected students of MTech ECE and CSE are eligible to apply for a Master of Engineering programme for students. We are selected by ASQ to form a thriving Students’ Chapter.

American Society of Quality (ASQ) India Ltd: A students’ chapter has been established with The NorthCap University. NCU students of MTech ECE and CSE are eligible to apply for a Master of Engineering degree in Master of Engineering.

 Honourable Justice M Karpaga Vinayagam

Former Chairperson – Appellate Tribunal for Electricity

IIT, Delhi

National Physical Laboratory, New Delhi

Ex-Dean & Emeritus Professor, NCU

Director General, Association of Healthcare Providers (India)

Mahamaya Technical University, Noida

Director, Maa Group Holdings

Managing Director, DMRC, New Delhi

DST Ramanna Fellow & Former Director, NPL, New Delhi

CEO & MD, Nucleus Software Exports Ltd, Noida

Fellow, IIT Delhi

Ex-Dean & Emeritus Professor, NCU

Director General, Association of Healthcare Providers (India)

Director, IIT, Delhi

Prof. Kehar Singh

Distinguished Research Professor, NCU

Ex-Dean & Emeritus Fellow, IIT Delhi

SS Bhatnagar Awardee

Prof. RC Budhani

Professor, IIT Kanpur

Former Director National Physical Laboratory, New Delhi

Mr Vishnu R Dusad

CEO & MD, Nucleus Software Exports Ltd, Noida

Prof. Pradeep Kumar

Professor, IIT, Roorkee

Former Vice-Chancellor Delhi Technological University, New Delhi

Mr Mangu Singh

Managing Director, DMRC, New Delhi

Prof. PB Sharma

Vice-Chancellor Amity University, Gurugram

Mr Satish Kaura

Padma Shri Chairman

Samtel Color Ltd

Mr Bunty Peerbhoy

Director, Maa Group Holdings

Prof. SK Kak

Founder Vice-Chancellor

Mahamaya Technical University, Noida

Dr Girdhar J Gyani

Director General, Association of Healthcare Providers (India)

Hon’ble Justice M Karpaga Vinayagam

Former Chairperson – Appellate Tribunal for Electricity

Prof. Kehar Singh

Distinguished Research Professor, NCU

Ex-Dean & Emeritus Fellow, IIT Delhi

SS Bhatnagar Awardee

Prof. RC Budhani

Professor, IIT Kanpur

Former Director National Physical Laboratory, New Delhi

Mr Vishnu R Dusad

CEO & MD, Nucleus Software Exports Ltd, Noida

Hon’ble Justice

M Karpaga Vinayagam

Former Chairperson – Appellate Tribunal for Electricity

Prof. Kehar Singh

Distinguished Research Professor, NCU

Ex-Dean & Emeritus Fellow, IIT Delhi

SS Bhatnagar Awardee

Prof. RC Budhani

Professor, IIT Kanpur

Former Director National Physical Laboratory, New Delhi

Mr Vishnu R Dusad

CEO & MD, Nucleus Software Exports Ltd, Noida

Prof. Pradeep Kumar

Professor, IIT, Roorkee

Former Vice-Chancellor Delhi Technological University, New Delhi

Mr Mangu Singh

Managing Director, DMRC, New Delhi

Prof. PB Sharma

Vice-Chancellor Amity University, Gurugram

Mr Satish Kaura

Padma Shri Chairman

Samtel Color Ltd

Mr Bunty Peerbhoy

Director, Maa Group Holdings

Prof. SK Kak

Founder Vice-Chancellor

Mahamaya Technical University, Noida

Dr Girdhar J Gyani

Director General, Association of Healthcare Providers (India)
Our Knowledge Partners

iNurture, a educational solution company in the business of designing and delivering of innovative industrial relevant jobs in the field in Animation and VFX, Information Technology, Mobile Application and Analytics is our Knowledge partner.

CISCO certification is sought after by IT professionals and greatly improves your prospects if you want to build a career in the industry. The CISCO Networking Academy at the University caters to the huge demand for ICT professionals.

The NorthCap University signed a Partnership Agreement with MAGES Institute of Excellence, Singapore, in Aug 2018. Under this agreement MAGES Institute of Excellence will provide guidance and training in new technological areas like Virtual Reality, Augmented Reality, Artificial Intelligence, Data Analytics and other emerging areas to students and faculty at NCU. They will also suggest courses in newer technologies which can be embed in the BTech programmes, especially related to CSE & ECE. This agreement is committed to raising standards in education and preparing the next generation of students for jobs of the future.

American Society of Quality (ASQ) India Ltd: A students' chapter has been established with The American Society of Quality (ASQ) India Ltd to provide a certificate programme for students. We are the first university in India to be selected by ASQ to form a thriving Students' Chapter.

Partnerships & International Linkages

Besides obtaining recognition by accreditation agencies and statutory bodies, the University has been collaborating to share knowledge and resources with other universities and academic communities throughout the world. This is part of an important strategy to accelerate and sustain success. Our endeavour in this direction has resulted in successfully forging progressive alliances with premier institutions round the globe.

**ITB Ireland**: The University has an effective Partnership Agreement in place with ITB Ireland and is collaborating significantly in the mobility of students and faculty. The first students exchange started in September 2011 for a semester abroad programme. Various collaborative schemes for UG and PG students continue to be rolled out.

**University of Chester**: A Partnership Agreement with the University of Chester, UK, was signed in 2012. The Chester Business School has over 1500 students with campuses at Chester and Warrington, and has a good reputation at undergraduate and postgraduate-level courses.

NCU students of MTech ECE and CSE are eligible to apply for a Master of Engineering degree in Electronics Systems Engineering and in Software Systems Engineering, respectively. Selected students proceed to **University of Regina, Canada** after 2 semesters and get a Canadian degree in Master of Engineering.

**Michigan Technological University**: A Partnership Agreement with the University of Michigan Technological University Houghton, Michigan, USA was signed in March 2016, to implement the 3+1+1 programme in Computer Science & Engineering.

**University of Dayton, Ohio**, USA signed a Partnership Agreement to undertake joint collaborative research and for student and faculty exchange. The Agreement was signed in May 2017.
The NorthCap University (NCU), Gurugram, signed a Partnership Agreement with **Providence University, Taiwan** on 23 October 2018. Both universities have agreed to undertake joint research activities and publications, participation in seminars and academic meetings, exchange of academic material, other information and special short-term academic programmes.

**Shibaura Institute of Technology**: A Partnership Agreement for signed with Shibaura Institute of Technology (SIT), Tokyo, on 7 Aug 2018 wherein both the universities have agreed to undertake joint collaborative research, exchange of students and faculty, exchange of information and publications etc. NCU being a partner university of SIT, students from NCU shall get full programme and tuition fee waiver.

**National Technical Research Organization (NTRO)**: The University signed an MoU with National Technical Research Organization, New Delhi, on 12 Sept 2018. The MoU shall provide collaborative working arrangement on specific research and development projects. In addition, NCU interns may be considered by NTRO for involving young talent in relevant fields.

**n+i**: The n+i engineering network, which is a consortium of over 70 French Grandes Ecoles (elite engineering institutes), is the largest network in France and offers student exchange programmes under an MoU with NCU.

**The Indian Meteorological Department (IMD)**: The NorthCap University has signed a Letter of Agreement (LOA) with The Meteorological Department (IMD), Ministry of Earth Sciences, GOI, to facilitate sponsored students and Employees in research & developmental activities associated in the field of Meteorology. IMD will install an Advance weather station at the NCU campus for monitoring weather, atmospheric studies and research activities.

**Accreditation Services for International Colleges (ASIC) UK**: A respected international accreditation body for academic institutions worldwide, reaccredited The NorthCap University with a status of 'Premier University' for a period of four years from Nov 2016. The University was awarded a grade of 'Commendable' in seven out of eight measurable areas of a university's operations.

**ISEP**: We are direct members of ISEP, under which the students can be sent for a semester or year abroad to over 54 ISEP universities in 30 countries at affordable costs to the students. The host universities transfer credits after students complete all requirements. Students who have cleared their first two semesters at The NorthCap University are entitled to apply.

An MoU was signed between NCU and **Maruti Center for Excellence (MACE)** in April 2018 to collaborate in the field of Training and Development of NCU students through practical and theoretical trainings and through projects during their internships. The collaboration extends to technical seminars and guest lectures also. The MoU will provide UG students of the Dept of Mechanical Engineering a platform to enhance their technical skills followed by employability.

**Association of Indian Universities (AIU)**: The University is now a member of the Association of Indian Universities (AIU). This has enabled us to refer to AIU for educational guidance to help improve standards of instruction, examination, research, textbooks, scholarly publications, participation in youth festivals or sports activities, publishing bibliographies of doctoral theses, and other such programmes as may contribute to the growth and propagation of knowledge.

An MoU was signed between The NorthCap University and **Daikin Air-Conditioning India Pvt Ltd (DAIPL)** on 26 March 2018 to establish a 'Centre of Excellence' on HVAC Systems at the University that will impart practical skill training and industrial exposure to the students on the campus. The Centre of Excellence (CoE) is a one of its kind set up by the Japanese Company – Daikin India in any educational institution in Gurugram.

**Delta Power Solutions India Pvt Ltd**, to develop and execute education and research projects, promote development of syllabi and activities that support research and development through work-integrated learning programmes – Cooperative Education. The Partnership Agreement was signed in January 2017.
ISRO: MoU between ISRO, Dept of Space, Govt. of India, Ahmedabad, and The NorthCap University for IRNSS Navigation Receiver Field Trial and Data Collection that will enhance research and innovation at the University.

Providence University, Taiwan, to undertake joint research activities and publications, participation in seminars and academic meetings, exchange of academic materials.

Association of Commonwealth Universities: We are a proud member of the Association of Commonwealth Universities and are actively participating in all its affairs. The University won the prize in the Social Outreach category in a competition held in the UK. It also bagged an Honourable Mention prize for its 2012 Annual Report.

American Society of Quality (ASQ) India Ltd: A students' chapter has been established with The American Society of Quality (ASQ) India Ltd to provide a certificate programme for students. We are the first university in India to be selected by ASQ to form a thriving Students' Chapter.

The NorthCap University has become a part of the BMW India's 'Skill Next' programme aimed at imparting hands-on expertise and practical training to automobile engineering students across the country.

Chartered Institute of Arbitrators (India): Students from the School of Law would benefit a great deal by this tie-up with NCU. While doing their BBA-LLB (Hons) course, they would be in a position to add to their professional graph in one of the most sought-after futuristic areas-the field of arbitration.

Spoken Tutorials IIT Bombay: Spoken Tutorials IIT Bombay: An MoU has been signed between Spoken Tutorial Project, IIT Bombay and The NorthCap University. The agreement helps the University in conducting software training programmes in collaboration with IIT Bombay.

MoU with American Society of Civil Engineers (ASCE), Reston, Virginia, United States for conducting ASCE’s recorded / on demand webinars (with a local expert present) as well as holding conferences and continuing education activities at the NorthCap University, Gurgaon.
NCU is a unitary university situated in Sector 23- A, Gurugram, Haryana and accredited by the National Assessment and Accreditation Council (NAAC) 2016-2021. It was founded in 1996 by Educate India Society as an Engineering Institute to provide higher education in Engineering and Management. The institute gained the status of a State Private university in the Academic Year 2009-10, under Act No. 25/2009 NIRF Survey, MHRD Govt. of India by the Legislature of State of Haryana and accorded UGC approval under Section 2(f) of the UGC Act 1956. In a span of a few years, we have grown to be one of the foremost educational institutions in North India. As a testimony to this fact, we have been ranked in rank band 101-150 in the Engineering Category and in 151-200 in the University Category under National Institutional Ranking Framework (NIRF) by the Ministry of MHRD, GOI, released in April 2018 by MHRD. The NorthCap University has been ranked Second amongst the Cleanest Higher Educational Institutions in the Country in the Category ‘University (Non Residential)’. The University won this award for Maintaining, Promoting and Encouraging the culture of ‘SWACHHTA’ in Higher Educational Institutions in the Country. The University imparts education in undergraduate and postgraduate programmes in engineering, management, sciences and law. It is recognized by various government and regulatory bodies for teaching and awarding degrees. The University is approved by the University Grants Commission (UGC) and recognized by the Bar Council of India (BCI). The University is a member of the Association of Indian Universities (AIU). Aside from being a Member of the American Society for Quality (I) Pvt Ltd, it is accredited by Accreditation Services for International Colleges (ASIC), UK.
**Location**

The University is located in Sector 23-A, Gurugram, Haryana, which is about 15 Kms from Indira Gandhi International Airport. It is well connected and easily approachable. It is located in a clean and pollution-free environment at about 3 Km from National Highway 8. The University's campus is spread over 10 acres with a covered area of over 32,000 square metres which amply caters to all its academic and administrative needs. A ‘360° walkthrough’ on our website, (www.ncuindia.edu) will give you a virtual tour of the beautiful laid out campus.

**Physical Infrastructure**

The University accommodates an excellent academic infrastructure of over 60 classrooms, 18 tutorial rooms, 71 labs, 25 workshops, ample faculty cabins, seminar hall, conference rooms, a 430 seat state-of-the-art auditorium and a double basement parking.

The University has a fully air-conditioned academic infrastructure with round-the-clock power back-up. The spacious classrooms are equipped with modern multi-media teaching aids. It also has a computer centre with nearly 1000 high-end computers and the whole campus is Wi-Fi enabled. It has a 150 MBPS dedicated leased line, digital and multimedia library and networked computer labs.

The open-air Amphitheatre next to the sports ground is used extensively for various university functions and club activities. The campus provides for a variety of clubs such as the music club, photo club, judo club and the Yukti Social Club. It has sports facilities for nearly all indoor and outdoor sports. The cricket-cum-football ground is arguably one of the finest grounds in the NCR, with floodlight facilities for night sports. An air-conditioned two-storeyed cafeteria, student centre and Incubation Centre covering an area of more than 15,000 sq ft provide a unique experience to faculty and students alike. It has been designed with modern interiors and energy efficient concepts. NCU also has a branch of the Syndicate Bank with an ATM operating from its premises for the convenience of its faculty and students. The University provides hostel facilities to over 125 students. The rooms are well-furnished, and the hostels also have a 24-hour power back-up system, treated water, Wi-Fi, intercom, indoor sports facilities, a central kitchen, entertainment and recreational facilities, and a bus to convey the students to and from the University. The New Academic Block provides state-of-the-art classrooms, besides area for student activities and faculty rooms.

**Environment Friendly**

NCU is an environmental friendly institution. A 150 KW rooftop solar PV system with a net metering facility has been installed to provide alternate source of power to the University in line with the State and National objectives of using solar energy. In order to ensure zero wastage of water, we have installed an effective rain water harvesting system as well as sewage and waste water treatment plants. NCU is committed to the green movement and campus-wide initiatives at reducing, reusing and recycling are helping it to achieve a green code of living. The University is surrounded by lush green gardens and this is the 17th consecutive year when the University has been declared the winner of the HUDA garden competition in Gurugram.

**Library and Information Resource Centre**

The NorthCap University Library & Information Resource Centre (LIRC) is among one of the best Private University Libraries of Delhi-NCR. It has a collection of over 100,000 volumes (including Book Bank) in all areas of engineering, law, sciences and management and provides its users the latest and modern services like online library access to online journals and e-books, group e-mails to provide regular information and update on ‘New Arrivals’, notification through SMS/Email on every transaction etc. The Library has WEBOPAC facility which offers students the facility to reissue their books from anywhere.

LIRC has a dedicated Multimedia Library where computers have been installed for online access to international journals from various databases such as IEEE, American Society for Civil Engineers (ASCE), American Society for Mechanical Engineers (ASME), SAGE, EBSCO Business Source Elite, Manupatra, Westlaw and Tata Mc Graw Hill E-books. All these resources have IP based access and are accessible from anywhere, through remote access facility. LIRC has joined INFLIBNET Shodhganga theses repository (an initiative of
UGC). It provides full text access to the theses published in Indian universities, including those recently completed at NCU.

LIRC is a member of reputed libraries network DELNET (Developing Library Network) and the American Center Library, to augment access to outside resources. LIRC subscribes to over 174 reputed print journals and magazines from reputable publishers, institutions, societies, like the Indian Academy of Science Journals, IIMB Management Review, Decision, Vision, Harvard Business Review, BCI Journal etc and to multiple copies of 15 national dailies. LIRC uses the latest version of Libsys software, barcode based circulation system, provides reprography service, scanning and printing facility, and above all a Book Bank facility that will help you to concentrate on your studies as it will provide you five books in each semester, for permanent retention.

LIRC has a separate reading room with a capacity for 250 readers and is open from 8.00 am to 10.00 pm on all working days. It is very well lighted with comfortable furniture and assisted by a team of helpful and dedicated library staff. LIRC also organizes events such as the annual book fair, guest lectures, training programmes, workshops and conferences etc. for students and faculty, particularly in the areas of using E-Resources.

Internet, Computing Facilities and ERP

The University has a fully Wi-Fi enabled campus providing uninterrupted access to the Internet for all students. There are nearly a 1000 state-of-the-art systems connected through the NCU computer network, and students have direct access to this facility.

Committed to the automation of various academic, financial and administrative processes, the University has an advanced Enterprise Resource Planning (ERP) system based on cloud computing, through a tie-up with Digiuniv.

Virtual Labs

NCU is a nodal centre for Virtual Labs, an initiative of the Ministry of Human Resource Development under the National Mission on Education through Information and Communications Technology, wherein eight IITs are currently involved. The University utilizes the facilities available at the IIT labs through remote triggering.

Learning Management System

NCU offers an innovative learning system as a supplement to classroom teaching – an e-learning portal, the Learning Management System (LMS) which provides students with online access to the course content offered at the University and to important academic information including lecture notes, recommended reading, tutorial sheets and assignments. We want students to use this portal to prepare themselves before coming to the class, so as to have a better understanding of complex concepts.

Faculty

In our quest for academic excellence, we have taken immense pains to bring together a team of high calibre faculty, with a sense of dedication and social commitment, selected through a stringent screening process. The NorthCap University’s faculty is ranked highly, as a large number of them come with a rich experience of having worked in some of India's most prestigious institutions such as the IITs and IIMs. They combine exemplary teaching skills with academic research and consulting practices and work hard to integrate classroom studies with the needs of the industry, making your educational experience relevant and timely. The criteria for appointment, retention, tenure and promotion are designed to attract educationists of the highest calibre, who continuously strive to enhance their knowledge and teaching effectiveness.

With over 160 faculty members on board, with a vast range of teaching experience in national and international institutions, we have a productive academic leadership, including emeritus professors and distinguished professionals from diverse fields. The qualifications for various faculty positions comply or exceed the prescribed standards of the UGC and the BCI. 59% faculty members are PhDs. Many of them are qualified from premier academic institutions like the IITs. A number of senior members of the faculty will teach you in the first-year so as to give you a strong foundation while initiating you into various programmes.

Faculty Mentoring Scheme

Besides the large in-house fraternity, we have a rich panel of eminent professors and industry experts as visiting faculty. We also invite distinguished professionals and academics to mentor our faculty in a nurturing environment, to enrich and enhance their expertise under the Faculty Mentoring scheme. In addition to regular classroom teaching, renowned experts in various fields are also invited from time to time to deliver Guest Lectures and conduct workshops so that you get the opportunity to interact with experts and get real-life exposure.
Whilst the principal responsibility of the faculty is teaching, members are also encouraged to serve as consultants to other organizations from time to time, so as to help keep abreast with the latest trends in the environment where our students will be absorbed after graduating. Their qualifications and experience, as well as the superior teacher-student ratio contribute to the quality of education at the University. Our faculty is sensitive to your academic and developmental needs and easily accessible and very concerned about your welfare and development.

**Student Counselling**

To make you comfortable and help you easily settle down in the University, a faculty mentor will help you in a nurturing, informal yet intense relationship just as in the Guru Shishya parampara. Mentors will guide and counsel you, whenever you require, throughout your stay at the University.

**Learning @ NCU**

We ceaselessly strive to pioneer the learning processes to bring them at par with international standards. Curricula are constantly updated to keep abreast with industry trends and to ignite your mind with innovative ideas that prepare you to meet global challenges in the future. You will be exposed to real-life applications and industry interactions for practical understanding and learning.

Being a multidisciplinary university, we have taken great pains to ensure that the courses are designed not only to help you understand the core courses but also their applications in other streams. In this manner, with better assimilation, you will acquire broad based knowledge. Inculcating the desire for excellence and accomplishment through integrity, honesty and achievement is of paramount importance. To achieve excellence in research we encourage originality of ideas and approaching a subject with an open mind. We want you to innovate and conduct research in a collaborative and supportive environment. Research is encouraged not only in all the Schools but in multidisciplinary groups as well.

Concept of theory and labs has been integrated into project based learning by laboratories effectively supporting difficult and interdisciplinary experiments to complex project based learning. Lastly, you will acquire basic skills of at least one foreign language (French, German & Spanish) being all major programmes of the University.

**Programme Educational Objectives and Outcomes (PEO and POs)**

In line with the Vision, Core Values and Quality Policy of NCU, Programme Educational Objectives and Outcomes (PEO and POs) have been framed for our UG and PG programmes and rigorously followed.

**Online courses**

As part of its approach to inculcate the habit of self-directed learning in students and as mandated by regulatory bodies such as UGC & AICTE, NCU has introduced MOOCs (Massive Open Online Courses) in all its programmes across all Schools including engineering, management and law. They help impart lifelong learning skills required for healthy career growth and it is planned to scale up MOOC learning, progressively. Various online platforms, as recommended by MHRD / other agencies, such as Swayam, NPTEL and e-pathshala etc. are available to students at NCU. Students are encouraged to use well established international platforms like edX, Coursera, LINUX Foundation, MIT, Harvard etc. and earn credits for these courses through certification exams conducted by them. Facilitation sessions, blended learning and evaluation model is used as necessary.

**Relative Grading and Moderation**

The University follows the rationalized relative grading system across all disciplines for fair and balanced evaluation of students. The quality bar for distinction is 8.5 and above CGPA on a 10-point scale and all courses should have been passed in the first attempt. For all academic rules and regulations visit the Dean Office and refer to relevant documents. Secondly, being a centre for higher learning, students should be prepared to attend the University six days a week (any six days) for academic and/or co-curricular activities.

**Attendance Rules**

A student is expected to attend all lectures tutorials, practical classes and VA courses. However to account for illness, and contingencies of a serious and unavoidable nature, the attendance requirement for a student to make him/her eligible to attend the Major Test is 70%. This requirement will not be relaxed under any circumstances whatsoever.

A student not satisfying the minimum attendance requirement in a particular course will be detained in that course.

**Interactive teaching-learning and self-learning**

We follow a system of prior assignments and/or self-study. You have to self-prepare certain topics before class or tutorials, based on which you will be questioned or quizzed. For this we encourage you to use NPTEL (the National Programme on Technology Enhanced Learning) and UGC MOOCs as a resource for supplementary reading material. This system helps us to continuously improve our teaching-learning systems and processes.
Advance research and innovation primarily in the field of software products and apps and hand-hold students who create innovative projects with commercial viability.

**Special Lecture Series**

Expert talks are delivered by invited experts from outside as well as our senior faculty members on various topics so that you benefit from the expertise of experienced speakers.

**Thought Lab**

The University has established a ‘Thought Lab’ to reduce negative energy and stress, develop a positive attitude and improve the overall development of students. Channelizing thoughts effectively will improve your experience while studying at NCU.

**Value Added and skill enrichment Courses**

To sharpen your competitive skills and enhance your employability and make you industry-ready, we have comprehensive value-added (VA) programmes, over and above the basic curriculum. VA courses help to bridge the gap between your domain knowledge and the requirements of companies - which also include soft skills such as communication, presentation, interpersonal skills, etc.

**Tinkering Lab**

To encourage you to pursue your passion, a platform in the form of a 'Tinkering Lab' is now available to enable you to convert your ideas into tangible outcomes. This will help you keep your passion/interest alive while pursuing your course of study at the University.

**Incubation Centre**

The University has been established to advance research and innovation primarily in

**Extracurricular Activities**

For your holistic development and to make sure that you excel in extracurricular activities, besides academics we encourage you to participate in different intra- and inter-university sports, cultural and technical events in close coordination with faculty. Throughout the academic year, the campus hosts a wide variety of activities, including guest lectures, films, musical and cultural events and other special programmes. The University has several professional hobby clubs and societies which provide opportunities for both enjoyment and the discovery of new interests and skills. These include the Computer Society of India (CSI), Association for Computing Machinery (ACM), American society of civil engineers (ASCE), Society In Pursuit Of Advances In Civil Engineering (SPACE), Indian Road Safety Campaign (IRSC), Society of Automotive Engineers (SAE), The Indian Society of Heating, Refrigerating and Air Conditioning Engineers (ISHRAE), American Society for Quality (ASQ), International Society for Optics and Photonics (SPIE), Institute of Electrical and Electronics Engineers (IEEE), The Institution of Engineers (IIE), The Optical Society (OSA), Enactus, Moot Court Society, Literary Society, Music Society, Drama and Dance Society, Photography Club, Social Service Society, Sports Society and Self Development Groups. We encourage and provide support, guidance and facilities to our students to showcase their skills and talent.

**Accommodation**

You can get comfortable, secure, safe and healthy accommodation in NCU’s hostels. There are separate hostels for boys and girls with limited capacity to accommodate students. We provide high-quality accommodation, on a shared basis, with clean and hygienic dining facilities is provided by the University. The rooms are well furnished, with a 24-hour power backup, treated water, Wi-Fi, intercom, indoor sports, entertainment and recreational facilities and a bus for your conveyance to and from the University. All hostels are provided with security guards round the clock. Accommodation is allotted on a first come first serve basis, as a limited number of seats are available.

If we are unable to accommodate you in the University’s hostels, you can find alternative lodging nearby. About 30 paying guest facilities in close proximity to the campus are available for which you will need to exercise your own options. NCU plays only a limited role as a facilitator, providing a ready reckoner of PG accommodation availability in the vicinity of the campus, and has absolutely no other interest, role or responsibility to discharge other than facilitate your stay.

**Transport**

For the added convenience of its faculty and students, the University operates AC bus service between Delhi-NCR and the University and from the local metro stations on MG Road, Gurugram, as well as Dwarka Sector 21 Metro Station, New Delhi.

**NCU Health Services**

A health centre with two doctors on rotation is available on the campus. The team of qualified and dedicated doctors provide allopathic as well as homeopathic treatment. The Medical
Centre provides superior emergency care, with examination beds, medical equipment and medicines to cater to any emergency, with first-aid services for injuries, accidents etc. and thereafter for moving the patient for further course of treatment. For routine medical cover, just meet the doctor on duty in the Medical Room and they will take care of you. The University has a well-equipped ambulance van that is available to reach sick students to hospitals or to handle evacuation from the hostels of the University.

**Specially-abled Students**

Resources for specially-abled students are part of NCU’s commitment to help all such students achieve their academic potential. The University welcomes applications from students with special needs and assures them that it will provide access to all programmes for which they enrol. Special effort is made to provide opportunities for participation in extracurricular activities, and to encourage their personal development and independence. Compliance with the guidelines for students with disabilities is ensured by the University.

**Student E–Portfolio**

E-portfolio is a unique initiative of the University to identify students’ interests in the first year itself and encourage you to develop these areas. You will continue to develop this portfolio during your stay at NCU and also record your achievements and rewards using multimedia which will be showcased in your portfolio to potential employers for enhanced employability.

**Office of International Relationship**

To facilitate students who want to study abroad and for student and faculty exchange an Office of International Relationship has been set up at the University. Students are supported for credit exchange, internships and project collaborations along with faculty through frameworks of MoUs.

**Parent Information System**

The University has a Parent Information System which keeps parents informed about the progress of their wards. A portal has been set up which provides information on the academic progress and other achievements/activities of students including extra and co-curricular activities and so on. Corrective actions if required can be taken in consultation with the faculty.

**Equal Opportunities**

At NCU, we are committed to equality of opportunity to all sections of society. We welcome applications from all irrespective of caste, creed, language, gender, nationality or religion, with a potential to succeed in higher education and provide full protection and rights of participation to Persons with Disabilities as per the PWD Act of 2016.

NCU is a ragging free campus and provides a safe environment particularly to girl students.
The NorthCap University continues to nurture its ambition to be known globally for learning innovations, academic excellence and socially relevant research outcomes. It is driven by an ambition to be in the top of the league by embracing global best practices and championing the highest ethical standards.

- The University ranked in rank band 101-150 in the Engineering Category and in 151-200 in the University Category in the NIRF Ranking released in April 2018 by MHRD.

- The NorthCap University, Gurugram, has been ranked Second amongst the Cleanest Higher Educational Institutions in the Country in the Category 'University (Non Residential)'. The University won this award for Maintaining, Promoting and Encouraging the culture of 'SWACHHTA' in Higher Educational Institutions in the Country.

- Ranked among Top 10 Private & Deemed Technical Universities All India and Best Engineering Institute in Haryana by The Week in their May 2018 issue.

- Ranked No. 1 Private Engineering Institute in the State of Haryana, No. 5 Private University in the State of Haryana and No. 48 in 'India's Top 100 Private Universities League' by Education World in May 2018 issue.

- The NorthCap University was Ranked No.1 amongst Top Engineering Colleges in Haryana and Ranked No.3 amongst Top Engineering Colleges of Eminence in India in the CSR-GHRDC Ranking Survey 2018 published in the July 2018 issue.

- School of Law NCU, was Ranked No. 9 amongst Top Law Schools of Eminence, All India and No. 1 in Haryana by GHRDC Law Schools Survey June 2018.

- The NorthCap University was ranked No.1 Engineering College in Delhi & Haryana and No. 55 All India in a survey of India’s Top Professional Colleges by Outlook in their June 2018 issue.

The NorthCap University admission brochure 2019-20

Schools & Programmes

At the NorthCap University, we consider that unique capabilities lie in all individuals and each day we work to ensure that capability to be accomplished. Our students work side by side with their peers and with renowned faculty and researchers. Selected students study abroad, participate in internships, conduct research, lead student organizations and volunteer in communities close to home and around the world.

In pursuance of this objective, the University offers high-quality courses at the undergraduate and postgraduate levels.

The following programmes were offered for the session 2018-19:

I. SCHOOL OF ENGINEERING & TECHNOLOGY

A. BTech (4 years)
   - Computer Science & Engineering  (CSE)
     Specialization options
     1) Full Stack Development
     2) Cyber Security
     3) Internet of Things  (IOT) & Cloud Computing
     4) Data Science and Artificial Intelligence (AI)
     5) Game Technology, Augmented Reality (AR) and Virtual Reality (VR)

   - Electronics & Communication Engineering
     Specialization Options
     1) Internet of Things (IOT)
     2) Embedded Systems and VLSI Design

   - Mechanical Engineering
     Specialization Options
     1) Thermal Engineering
     2) Mechanical Engineering Design
     3) Industrial and Production Engineering
     4) Automobile Engineering

   - Civil Engineering
     Specialization options
     1) Smart Infrastructure Development
     2) Construction & Project Management

B. MTech
   - Degree in Computer Science & Engineering with specialization in:
     • Cyber Security or Data Science

II. SCHOOL OF MANAGEMENT

- BBA
- BA  (Hons) with specialisation in Psychology / Economics
- BCom (Hons)
- MBA

III.  SCHOOL OF LAW

- BBA-LLB (Hons)
- LLM

IV. PhD in Engineering, Management, Law, Sciences & English

V. LATERAL ENTRY TO B.TECH SECOND YEAR

- Degree in Electronics & Communication Engineering with specialization in:
  • Communication Engineering or VLSI Design

- Degree in Mechanical Engineering with specialization in:
  • Mechanical Engineering
  • Thermal Engineering or Mechanical Engineering Design

- Degree in Civil Engineering with specialization in:
  • Structural Engineering or Construction Engineering & Management
  • Environmental Engineering

C. BSc (Hons) Mathematics
D. BSc  (Hons)  Physics
E. MSc Mathematics
At the NorthCap University, we consider that unique capabilities lie in all individuals and each day we work to ensure that capability to be accomplished. Our students work side by side with their peers and with renowned faculty and researchers. Selected students study abroad, participate in internships, conduct research, lead student organizations and volunteer in communities close to home and around the world.

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      Specialization options
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      2) Cyber Security
      3) Internet of Things (IOT) & Cloud Computing
      4) Data Science and Artificial Intelligence (AI)
      5) Game Technology, Augmented Reality (AR) and Virtual Reality (VR)
      Electronics & Communication Engineering
      Specialization Options
      1) Internet of Things (IOT)
      2) Embedded Systems and VLSI Design
      Mechanical Engineering
      Specialization Options
      1) Thermal Engineering
      2) Mechanical Engineering Design
      3) Industrial and Production Engineering
      4) Automobile Engineering
      Civil Engineering
      Specialization options
      1) Smart Infrastructure Development
      2) Construction & Project Management
      3) Environmental Engineering
   B. MTech
      Degree in Computer Science & Engineering with specialization in:
      • Cyber Security or
      • Data Science
      Degree in Electronics & Communication Engineering with specialization in:
      • Communication Engineering or
      • VLSI Design
      Degree in Mechanical Engineering with specialization in:
      • Mechanical Engineering
      • Thermal Engineering or
      • Mechanical Engineering Design
      Degree in Civil Engineering with specialization in:
      • Structural Engineering or
      • Construction Engineering & Management
      • Environmental Engineering
   C. BSc (Hons) Mathematics
   D. BSc (Hons) Physics
   E. MSc Mathematics

II. SCHOOL OF MANAGEMENT
   • BBA
   • BA (Hons) with specialisation in Psychology / Economics
   • BCom (Hons)
   • MBA

III. SCHOOL OF LAW
   • BBA-LLB (Hons)
   • LLM

IV. PhD in Engineering, Management, Law, Sciences & English

V. LATERAL ENTRY TO B.TECH SECOND YEAR

Degree in Electronics & Communication Engineering with specialization in:
• Communication Engineering or
• VLSI Design
Degree in Mechanical Engineering with specialization in:
• Mechanical Engineering
• Thermal Engineering or
• Mechanical Engineering Design
Degree in Civil Engineering with specialization in:
• Structural Engineering or
• Construction Engineering & Management
• Environmental Engineering

C. BSc (Hons) Mathematics
D. BSc (Hons) Physics
E. MSc Mathematics

II. SCHOOL OF MANAGEMENT
• BBA
• BA (Hons) with specialisation in Psychology / Economics
• BCom (Hons)
• MBA

III. SCHOOL OF LAW
• BBA-LLB (Hons)
• LLM

IV. PhD in Engineering, Management, Law, Sciences & English

V. LATERAL ENTRY TO B.TECH SECOND YEAR
ALL Ph.D. PROGRAMMES
(ENGINEERING, PHYSICS, CHEMISTRY, MATHS, ENGLISH, MANAGEMENT & LAW)

ADMISSION POLICY & SELECTION PROCEDURE - JULY 2019
FOR ACADEMIC YEAR 2019-20
FOR DOCTOR OF PHILOSOPHY (Ph.D.)

1. INTRODUCTION

1.1 The NorthCap University (NCU), Gurugram, Haryana has been established by the Haryana State Legislature under the Haryana Private Universities Act (Third amendment), 2009.

1.2 The NorthCap University, Gurugram, Haryana is a self-financed multi-disciplinary University recognized by UGC under Section 2(f) of the UGC Act, 1956. For all details of the University and courses run, refer to NCU website at www.ncuindia.edu The NorthCap University has been included by UGC in their select list of approved Universities. This list of recognized Universities can be obtained from the UGC website www.ugc.ac.in.

The University has a comprehensive and transparent policy regarding Fee Structure, refund, cancellation & withdrawal policy. The Fee Structure is in compliance with Para 36(1) of the Haryana Private Universities Act 32 of 2006, while the Refund & Cancellation policy is in line with UGC/MHRD/AICTE policy on the matter as per UGC Policy No.1-3/2007 (CPP-II) dated 06 December 2016.

1.3 This policy shall be called the “ADMISSION POLICY & SELECTION PROCEDURE-2019” (APSP-2019) for admission to DOCTOR OF PHILOSOPHY PROGRAMME (Ph.D.) awarded by The NorthCap University, Gurugram.

1.4 This policy has been prepared in accordance with the First Ordinances of The NorthCap University duly approved by Government of Haryana and ensures that admissions are made strictly in accordance with merit and in line with UGC guidelines in a fair and transparent manner in the interest of all concerned.

1.5 While every effort has been made to ensure that the information contained in this document is accurate at the time of publication, all matters that it covers may be subject to change without notice. The University does not intend, by the publication of this document, to create any contractual or other legal relation with the students, their advisors or any other persons. The NorthCap University, reserves the exclusive right to change or withdraw, without notice, any statement in this document.
2. **ELIGIBILITY FOR ADMISSION**

<table>
<thead>
<tr>
<th>[A] SCHOOL OF ENGINEERING AND TECHNOLOGY</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ENGINEERING, PHYSICS, CHEMISTRY, MATHS, ENGLISH</strong></td>
</tr>
<tr>
<td>A candidate seeking admission to the Ph.D. Programme under School of Engineering and Technology (SOET) of NCU must have obtained:</td>
</tr>
<tr>
<td>M.Tech. (Engineering) / M.Phil. (Physics, Chemistry, Maths) / M.A. (English) degree with min. 60% marks in aggregate or equivalent</td>
</tr>
<tr>
<td>OR</td>
</tr>
<tr>
<td>M.Sc. / M.A (Maths) degree with min. 60% marks in aggregate or equivalent, with NET/GATE/JRF/SLET qualified or</td>
</tr>
<tr>
<td>M.Sc. / M.A (Maths) with min. 67.5% marks in aggregate or equivalent</td>
</tr>
<tr>
<td>OR</td>
</tr>
<tr>
<td>B.Tech. degree from IITs with min. 67.5% marks in aggregate or equivalent.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>[B] SCHOOL OF MANAGEMENT (SOM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A candidate seeking admission to the Ph.D. Programme under School of Management (SOM) of NCU must have obtained Post-graduation in any branch of Engineering, Management, Economics, Commerce, Operations Research or other relevant disciplines subject to approval of School of Management with min. 60% marks in aggregate or equivalent.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>[C] SCHOOL OF LAW (SOL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A candidate seeking admission to the Ph.D. Programme under School of Law (SOL) of NCU must have obtained:</td>
</tr>
<tr>
<td>Master’s Degree in Law from a recognized University with not less than 55% marks or its equivalent</td>
</tr>
<tr>
<td>OR</td>
</tr>
<tr>
<td>Master’s Degree in any discipline from a recognized 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</td>
</tr>
<tr>
<td>OR</td>
</tr>
<tr>
<td>Judge of any State High Court in India with three years’ experience or Judge of Supreme Court of India</td>
</tr>
</tbody>
</table>

2.1. The minimum eligibility criteria indicated above for each Programme is only an enabling clause. The concerned Doctoral Research Committee (DRC) may fix higher criteria at the time of short-listing keeping in view the number of candidates, number of seats and minimum academic / professional background expected to cope with the Programme etc.

2.2. Candidates in the final year of their Master’s Programme, who expect to complete all their qualifying degree requirements before the date of registration for the first semester of their Ph.D. Programme at NCU can apply for admission. For short-listing purposes, their performance till the preceding semester (or preceding year, if in case their Programme is year based) would be considered, but the admission would be subject to their meeting the minimum eligibility criteria after their final qualifying examination results are announced. In such cases, a letter from HoD of their current institution, certifying candidate’s Master’s Thesis submission is required at the time of Ph.D. admission. However, if the student fails in the qualifying examination or fails to produce the degree/provisional certificate/mark sheet within 3 months of the commencement of the 1st semester, his/her admission and registration to the Ph.D. Programme will be automatically cancelled with no refund of the semester fees.
2.3. Part-time candidates are required to submit a ‘No Objection Certificate’ on a proper letterhead from the competent authority of the organization in which he/she is presently working clearly stating the following:

a) The candidate is permitted to pursue Ph.D. on a part-time basis.
b) His/her official duties permit him/her to devote sufficient time for completion of coursework and carry out doctoral research.

Please [click here](#) for complete Ph.D. rules and regulations.

3. **INTAKE FOR JULY 2019 Ph.D. ADMISSION**

3.1. The details of department wise intake are as follows:

<table>
<thead>
<tr>
<th>Name of the Department</th>
<th>Broad Areas</th>
<th>Number of Seats</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>[A] SCHOOL OF ENGINEERING AND TECHNOLOGY</strong></td>
<td>(ENGINEERING, PHYSICS, CHEMISTRY, MATHS, ENGLISH)</td>
<td></td>
</tr>
<tr>
<td>MECHANICAL ENGINEERING</td>
<td>Thermo-Fluid Engineering, Industrial Engineering, Mechanical Engineering Design</td>
<td>12</td>
</tr>
<tr>
<td>CIVIL AND ENVIRONMENTAL ENGINEERING</td>
<td>Structural Engineering, Earthquake Engineering, Environmental Engineering, Geotechnical Engineering</td>
<td>2</td>
</tr>
<tr>
<td>ELECTRICAL, ELECTRONICS AND COMMUNICATION ENGINEERING</td>
<td>Wireless Communication, Signal, Speech and Image Processing, VLSI and Semiconductor devices, Power System, Renewable Energy, Control System, Biomedical Electronics</td>
<td>13</td>
</tr>
</tbody>
</table>
| APPLIED SCIENCES                              | PHYSICS: Condensed matter physics (glasses), Optical image processing, Thin Films; Amorphous Semiconductors, Thin film solar cells, Polymer, nanocomposites, Nanomaterials and solar cells, Nanomaterials and piezoelectric devices;   
Chemistry: Polymer, nanocomposites, Nano-chemistry, Organic Chemistry, Environmental Chemistry & Microbiology 
Biochemistry: 
Maths: Image Processing, Queueing Theory, Data Analytics, Graph Theory and Discrete Maths, Coding Theory, Approximation Theory | 14              |
| CENTRE FOR LANGUAGES LEARNING (CLL)           | American Literature, British Literature, Indian Writing in English, English Language Teaching | 2               |

| **[B] SCHOOL OF MANAGEMENT (SOM)**           |                                                                              |                 |

| **[C] SCHOOL OF LAW (SOL)**                  |                                                                              |                 |
| SCHOOL OF LAW                                | Human Rights, International Law, Environmental Law, Constitutional Law, Personal Laws | 2               |

| **TOTAL**                                    |                                                                              | 68              |

The intakes shown above are subject to change by the University.

3.2 Admission will be based solely on the merit criteria as per procedure indicated at Para 4 below.
4. **PROCEDURE FOR ADMISSION**

4.1 The candidate desiring to seek admission to Ph.D. Programme at NCU shall apply for the same on the prescribed Application Form 1 by a due date announced by NCU.

4.2 The applications will be scrutinized by the concerned Dean Office (Ph.D. Cell).

4.3 Candidates who do not have valid score in national tests like GATE, UGC-NET and SLET will have to appear in Entrance Test named ‘NCU Ph. D. Entrance Test’ (NPET) and will have the following weightage of various components for admission:

- NPET marks – 50%,
- Qualifying degree marks – 30%, and
- Interview –20%

4.4 Candidates who have valid score in the above National tests shall be exempted from NPET. The following weightage shall be assigned to various components for the admission:

- National level test score – 50%,
- Qualifying degree marks - 30%, and
- Interview – 20%

4.5 The entrance test NPET will be of two hours duration and will be an Objective type test. Entrance Test ‘NPET’ will be held from 10:00 AM to 12 noon on the date specified by the University. For broad syllabus refer clause 21.

4.6 The NPET will be conducted centrally by Controller of Examination (COE) at NCU Campus. Room No. for NPET will be informed through University website / e-mail.

4.7 After the NPET written test, interview will be conducted (by respective Departments/Schools) on the same day at NCU 1:00 PM onwards. Rooms for interviews will be announced at the appropriate time.

4.8 Selection of the Research Fellows shall be done from amongst scholars who have qualified for admission, by the Fellowships Selection Committee. For details, please click here to download the SoP for Recruitment of University Fellows.

4.9 The candidates whose selection is approved by the Dean (Research) and Chairman BDR / Vice Chancellor will be admitted to the Ph. D. Programme after payment of prescribed fees.

4.10 In case of candidates from partnering institutions/industries, applications may be considered by the VC/BDR throughout the year, subject to the scrutiny for eligibility upon request by partnering institute.

4.11 The last date of fees submission is taken as last date of admission in Ph.D. Programme.

5. **HOW TO APPLY**

5.1 A candidate can apply online or offline. For applying offline the candidate can download the application form from the website of NCU or can obtain it from the University campus up to the last date for submission of forms specified in the Admission Notice.

For applying online, the candidate should click on Ph.D. under admission link on NCU website and fill the online form and upload relevant documents, along with application fee, paid online.

For offline, Please click here to download the application form.
6. **APPLICATION FEE**

6.1 An application fee of Rs. 1000/- is required to be submitted along with completely filled application form. The application form should also have self-attested photocopy of supporting relevant documents.

6.2 For offline application, the fee should be paid in cash at NCU campus or through DD in favour of ‘THE NORTHCAP UNIVERSITY, GURUGRAM’ payable at Gurugram/Delhi. For online application, e-transaction provision is given while submitting the admission form.

7. **PROGRAMME FEE**

7.1 Annual fee is Rs. 78,000/-; Semester-wise fee to be paid in two equal semester wise installments of Rs. 39,000/- each at the beginning of each semester (for new admissions, last date of fee submission is mentioned in clause no. 20). The annual fee is the same for full-time and part-time candidates.

7.2 Caution Money: A sum of Rs. 5,000/- will be charged from each student seeking admission to the University in the Academic Year 2019-20. The amount is interest free and will be refunded to the students at the time of withdrawal or at end of their Programme, whichever is later, after deduction of dues, if any.

8. **FELLOWSHIPS & CONTINGENCY**

8.1 University Fellowships to selected full time Ph.D. Scholars:

This position is only meant for full time Ph.D. scholars, who wish to carry out doctoral research at NCU. Concurrent applications for admissions to the Ph.D. Programme as well as award of University Fellowship can be made. Award of Fellowship and offer for admission will be simultaneously announced by NCU. The University Fellowship will be limited in number and made available to candidates on merit and shall be final and binding. The research scholar shall be awarded fellowship only if she/he is not receiving fellowship from any other source.

The Research Fellows are expected to do research with Faculty members, help the faculty members in their teaching as teaching assistant and support in any other academic tasks assigned from time to time. In short they are expected to be a part of the academic/research community of The NorthCap University, Gurugram.

**Essential qualifications:**

In addition to offer of Ph.D. admission, the candidate for award of Merit based University Fellowship should have M.Tech./M.Phil./MBA/M. Com/LLM degree or its equivalent in the relevant discipline with minimum 60% marks or equivalent grade point average in both post-graduate and under-graduate degree levels. For Scholars under M.Sc. degree, minimum requirement is either NET qualified with 8.5 CGPA and above, or NET qualified with being a gold medalist.

8.2 **Essential responsibilities:**

The selected Research Fellows shall be given teaching assignments as stipulated by University/UGC/ AICTE guidelines upto 8 hours in a week.

The scholar is expected to demonstrate the visible outcome in terms of research publications in peer reviewed Journals. Atleast one publication per year in peer reviewed referred unpaid reputed journal is expected from the scholar after completion of his/her course work, within the stipulated period of one year.

**Attendance:** All full time candidates who are awarded University Fellowship have to regularly attend the university as per the Ph.D. rules and regulations / SOP for recruitment of university fellow. It is expected that the full time scholar shall not take any job during the period of pursuing Ph.D.

**Fellowship:** Rs.25, 000/- per month consolidated as per university rules.

**Tenure:** The tenure of appointment of Fellow will be normally for three years (excluding the approved break in studies / leave period). An extension of the tenure of the Fellow for one year at a time can be given at the discretion of the NCU, if the progress of the Fellow is found good after the three year tenure. A second extension of one year making the
total tenure to be maximum 5 years can be given if the progress of the fellow is found good. In no case, total tenure can be more than five years. For further details refer to SOP for Recruitment of University Fellows, please click here.

8.3 All full time candidates who are awarded University Fellowship have to regularly attend the University as per the Ph.D. rules and regulations. Please click here for standard operating procedure for recruitment of University Fellows.

8.4 Contingency Expenditure for Full Time Ph.D. Scholars:

The items for which contingency expenditure can be incurred are chemicals, glassware, consumables, testing charges, spare parts, pen drive, CD’s, stationary, postage, survey expenditure (with prior approval of the Director of the School/Dean of the School/VC), repairs, National conference participation expenditure /International conference outside India venue registration expenditure (keeping maximum expenditure amount limit to Rs. 25000/-) and any other item that is consumable in nature specifically recommended by the concerned Supervisor and the concerned HOD.

Contingency amount: Maximum of Rs. 25,000/- per year, subject to the availability of the funds.

9. DOCUMENTS REQUIRED AT THE TIME OF APPLICATION AND ADMISSION

9.1 For details regarding documents required at the time of Admission, please see the table given below:

<table>
<thead>
<tr>
<th>S. NO.</th>
<th>DOCUMENTS</th>
<th>ORIGINAL</th>
<th>SELF ATTESTED PHOTOCOPY</th>
<th>ORIGINAL DOCUMENTS TO BE RETRUNED ON THE SPOT AFTER VERIFICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Class X Mark Sheet (As proof of date of birth)</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>2.</td>
<td>Relevant Mark Sheets and Degree Certificate of all UG and PG degree courses need to be provided</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>3.</td>
<td>National Level Test Score Card such as GATE/NET/SLET (if any)</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>4</td>
<td>NOC from the employer (only for part-time candidates)</td>
<td>Yes</td>
<td>Yes</td>
<td>NO</td>
</tr>
<tr>
<td>5</td>
<td>Certificate of Medical Fitness from a registered medical practitioner</td>
<td>Yes</td>
<td>Yes</td>
<td>NO</td>
</tr>
<tr>
<td>6</td>
<td>Migration certificate (Only required for applicants in School of Law)</td>
<td>Yes</td>
<td>Yes</td>
<td>NO</td>
</tr>
<tr>
<td>7</td>
<td>Aadhar Card</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>8</td>
<td>Form 1, 2 &amp; 3</td>
<td>Yes</td>
<td>Yes</td>
<td>NO</td>
</tr>
<tr>
<td>9</td>
<td>University Fellowship Form</td>
<td>Yes</td>
<td>Yes</td>
<td>NO</td>
</tr>
</tbody>
</table>

9.2 All original academic and personal certificates and testimonials like mark-sheets and other such documents (other than migration certificate, medical certificate & NOC from employer as mentioned in S. No. 4, 5 & 6 in table above) shall be returned by the University after their due verification and receipt of fees. In case a student withdraws his/her admission, the related original certificates shall also be returned subject to the clearance as per Ph.D. rules and regulations of the University.

9.3 The self-attested testimonials of students shall be held valid and authentic for all purposes and administrative requirements and should there be a need for physical verification at any time during the course of programme of study, such verification
shall be undertaken in the presence of the student and certificates and testimonials thus verified shall be returned immediately to the student.

10. COURSE WORK REQUIREMENT

<table>
<thead>
<tr>
<th>SCHOOL OF ENGINEERING &amp; TECHNOLOGY</th>
<th>Minimum Credits</th>
<th>Duration</th>
<th>Possible extension (by opting for more courses)</th>
</tr>
</thead>
<tbody>
<tr>
<td>B.Tech./M.Sc./M.A.</td>
<td>24</td>
<td>12 months</td>
<td>6 months</td>
</tr>
<tr>
<td>M.Tech. /M.Phil.</td>
<td>9</td>
<td>12 months</td>
<td>6 months</td>
</tr>
<tr>
<td>School of Management &amp; LAW</td>
<td>9</td>
<td>12 months</td>
<td>6 months</td>
</tr>
</tbody>
</table>

Min CGPA on completion of course work=7.5
Min SGPA in any semester = 7.0

Notes:
1) A student is expected to attend all lectures, tutorials, practical classes for the prescribed courses. A minimum attendance of 70% per course calculated till the last teaching day of the semester is mandatory. A student not satisfying the minimum attendance requirement in a particular course will be detained and not allowed to sit for the semester end Major examination in that course.
2) Additional course work may be prescribed by Supervisor/Scholar Research Committee (SRC) in case additional domain knowledge is required.
3) The continuation of Ph.D. Programme is subject to successful completion of coursework with minimum CGPA required and within prescribed time limits as per table in clause 10.
4) A Continuous evaluation of Ph.D. progress shall be carried out by SRC. The Ph.D. Programme of a research scholar can only continue based on recommendation of his/her SRC and may be discontinued if the progress of a scholar is found unsatisfactory.

11. DURATION OF Ph.D. PROGRAMME

<table>
<thead>
<tr>
<th>SCHOOL OF ENGINEERING &amp; TECHNOLOGY</th>
<th>Minimum duration of the programme</th>
<th>Maximum duration of the programme</th>
</tr>
</thead>
<tbody>
<tr>
<td>M. Tech./M. Phil./M.Sc/ M.A(English) Entry</td>
<td>FT 3 Years</td>
<td>6 Years</td>
</tr>
<tr>
<td></td>
<td>PT 4 Years</td>
<td>6 Years</td>
</tr>
<tr>
<td>B. Tech. Entry</td>
<td>FT 4 Years</td>
<td>6 Years</td>
</tr>
<tr>
<td></td>
<td>PT 5 Years</td>
<td>6 Years</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SCHOOL OF MANAGEMENT &amp; SCHOOL OF LAW</th>
<th>Minimum duration of the programme</th>
<th>Maximum duration of the programme</th>
</tr>
</thead>
<tbody>
<tr>
<td>FT</td>
<td>3 Years</td>
<td>6 Years</td>
</tr>
<tr>
<td>PT</td>
<td>4 Years</td>
<td>6 Years</td>
</tr>
</tbody>
</table>

Notes:
1) Minimum and Maximum duration includes Course work.
2) Relaxation of upto 2years maximum duration can be provided for women under special circumstances and differently-abled candidates.

For more information please click here for complete Ph.D. rules and regulations.

12. GRIEVANCE REDRESSAL

Grievance / complaints, if any, against any action/decision of the Admission Committee can be made in writing to the Vice-Chancellor of the University, within 3 days of the decision.
In case there is any ambiguity whatsoever, with respect to this policy, the Vice-Chancellor’s written interpretation / clarification / decision shall be final and binding on all concerned.

13. **WITHDRAWAL POLICY**

13.1 All requests for withdrawal of admission must be made in writing to the respective HoD/Dean of the department/School by the applicant through supervisor, giving reasons for the same and must be accompanied with the original fee receipt. Requests made verbally or by fax/email without the original fee receipt shall not be entertained.

13.2 The written application of withdrawal shall be processed to the respective Chairpersons of the DRC of the concerned School/Department after receiving it duly forwarded by the Supervisor(s) through the concerned HoD. The student should also provide a No Dues Certificate along with such an application. Click here to see the No dues form.

13.3 In case a student withdraws his/her admission from Ph.D. Programme after the last date of Admission in Ph.D. Programme, fees will be refunded as per clause 1.2. In case a student fails to produce Degree/Provisional Certificate/mark sheets within the stipulated time as per clause 2.2, the fee deposited by him/her shall not be refunded in any form. The candidate should therefore keep this in mind before taking admission and before depositing the fees.

13.4 No Migration is permitted regarding Research Scholar registration or affiliation as per Ph.D. Rules and Regulations.

14. **ZERO TOLERANCE POLICY TO RAGGING**

14.1 Ragging is strictly prohibited in NCU and NCU follows a ZERO Tolerance policy towards Ragging. Ragging, its abetment, eve-teasing and / or any kind of mental or physical harassment, either directly or indirectly, of any student(s) by whatsoever name called which may hurt the sensibilities or self-esteem of a student(s), inside or outside the University and/or its hostel(s) / mess, cafeteria is strictly prohibited by law and as held by the Hon'ble Supreme Court of India in its order dated 08/05/2009 in the case titled " University of Kerala Vs. Council, Principal's College Kerala & others" bearing CA No. 887/2009. An Anti- Ragging declaration as per Form – 3 has to be filled and submitted along with other documents at the time of admission.

Disorderly conduct whether by words spoken or written or by an act, which has the effect of teasing, treating or handling with rudeness any other student(s), indulging in rowdy or in-disciplined activities which causes or is likely to cause annoyance, hardship or psychological harm or to raise fear or apprehension thereof in a fresher or junior student(s) or asking the student(s) to do any act or perform something, which such student(s) will not do in the ordinary course and which has the effect of causing or generating a sense of shame or embarrassment so as to adversely affect the physique or psyche of a fresher or a junior student shall constitute an act of ragging.

14.2 Association, active or passive, with any unlawful organization including holding and/or participating in demonstrations, inciting violence, displaying notices or circulating handbills in the University and/or its hostel (s)/mess is strictly prohibited.

14.3 Smoking, consumption of alcohol, drugs or any other intoxicant by whatsoever name called within the University premises and/or its hostel (s)/mess is strictly prohibited by law.

14.4 Besides police/legal action, a student found indulging in any of the above activities shall be expelled from the University. In case of expulsion from the University, under such circumstances, the entire fee paid by him/her shall be forfeited.

14.5 Use of cellular/satellite telephones and/or pagers within the University premises (other than the area defined by the University) is strictly prohibited.

15. **FACULTY**

The NorthCap University has one of the best and largest pools of faculty amongst Private universities in North India. Most of the faculty members hold Ph.D. degrees from renowned Indian and foreign universities and have very distinguished track record and are drawn from prestigious institutions like IITs, NITs, industry and research labs. The
faculty members have a mix of rich academic and industry experience. There is strong emphasis on good quality teaching as well as research in current areas of technology and faculty members keep themselves abreast with latest developments and are engaged in active research resulting in a large number of research publications in leading international and national journals. Some of the faculty members have published books in their specialized fields and are members of editorial boards / reviewers of reputed journals. Kindly visit the University website (www.ncuindia.edu) for profile and list of faculty members of Departments/School. List of Potential Supervisors are given below:

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Dept./School</th>
<th>Supervisors</th>
<th>Broad Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>APS</td>
<td>Dr. Ambika Devi</td>
<td>Material Science</td>
</tr>
<tr>
<td>2</td>
<td>APS</td>
<td>Dr. Pranati Purohit</td>
<td>Piezo-nanocomposites and Nanomaterials</td>
</tr>
<tr>
<td>3</td>
<td>APS</td>
<td>Dr. Sangeet Srivastava</td>
<td>Data Analytics</td>
</tr>
<tr>
<td>4</td>
<td>APS</td>
<td>Dr. Hukum Singh</td>
<td>Optical Image Processing, Condensed matter physics (glasses), Photonics</td>
</tr>
<tr>
<td>5</td>
<td>APS</td>
<td>Dr. Bharti Arora</td>
<td>Biophysical Chemistry</td>
</tr>
<tr>
<td>6</td>
<td>APS</td>
<td>Dr. Aditya Sharma</td>
<td>Nanotechnology, Biosensors, Lateral flow assay</td>
</tr>
<tr>
<td>7</td>
<td>APS</td>
<td>Dr. Sunita Sharma</td>
<td>Nanomaterials and solar cells</td>
</tr>
<tr>
<td>8</td>
<td>APS</td>
<td>Dr. Tejpal Singh Chandawat</td>
<td>Organic Chemistry, Natural Product Synthesis, Green Chemistry</td>
</tr>
<tr>
<td>9</td>
<td>APS</td>
<td>Dr. Seema Thakran</td>
<td>Coding Theory: Reed Muller Codes, Hamming Codes</td>
</tr>
<tr>
<td>10</td>
<td>APS</td>
<td>Dr. Anshu Malhotra</td>
<td>Graph Theory and Discrete Maths</td>
</tr>
<tr>
<td>11</td>
<td>APS</td>
<td>Dr. Indira P Debnath</td>
<td>Nonlinear/Nonsmooth optimization, Fractional optimization, Interval-valued optimization, Fuzzy optimization, Optimality, Duality</td>
</tr>
<tr>
<td>12</td>
<td>APS</td>
<td>Dr. Rajni Goyal</td>
<td>Numerical Methods and Numerical Solution of PDE</td>
</tr>
<tr>
<td>13</td>
<td>APS</td>
<td>Dr. Trapti Neer</td>
<td>Approximation theory and Quantum calculus</td>
</tr>
<tr>
<td>14</td>
<td>APS</td>
<td>Dr. Tarul Garg</td>
<td>Approximation theory</td>
</tr>
<tr>
<td>15</td>
<td>Civil</td>
<td>Prof. H.B. Raghavendra</td>
<td>Geotechnical Engineering, Soil Strata Interaction, Environmental Engineering</td>
</tr>
<tr>
<td>16</td>
<td>Civil</td>
<td>Dr. Archanaa Dongre</td>
<td>Structural Engineering/ Earthquake Engineering</td>
</tr>
<tr>
<td>17</td>
<td>Civil</td>
<td>Dr. Vaishali Sahu</td>
<td>Environmental Engineering</td>
</tr>
<tr>
<td>18</td>
<td>CSE</td>
<td>Dr. Yogita Gigras</td>
<td>Soft Computing, Cyber Security</td>
</tr>
<tr>
<td>19</td>
<td>CSE</td>
<td>Dr. Shilpa Mahajan</td>
<td>Wireless Sensor Networks, Cyber Security</td>
</tr>
<tr>
<td>20</td>
<td>CSE</td>
<td>Dr. Prachi Ahlawat</td>
<td>Cyber Security, Intrusion Detection &amp; Prevention, Networking</td>
</tr>
<tr>
<td>21</td>
<td>CSE</td>
<td>Dr. Kavita Khanna</td>
<td>Computer Graphics, Video Processing and Soft Computing</td>
</tr>
<tr>
<td>22</td>
<td>CSE</td>
<td>Dr. Vijendra Singh</td>
<td>Big Data and Machine learning</td>
</tr>
<tr>
<td>23</td>
<td>CSE</td>
<td>Dr. Supriya Raheja</td>
<td>Fuzzy set theory, Operating System, Cyber Security</td>
</tr>
<tr>
<td>24</td>
<td>CSE</td>
<td>Dr. Prabha Sharma</td>
<td>Optimization, Design and Analysis of Algorithm</td>
</tr>
<tr>
<td>25</td>
<td>CSE</td>
<td>Dr. Rita Chhikara</td>
<td>Machine Learning</td>
</tr>
<tr>
<td>26</td>
<td>CSE</td>
<td>Dr. Jagdeep</td>
<td>Software Engineering</td>
</tr>
<tr>
<td>27</td>
<td>CSE</td>
<td>Dr. Geetika</td>
<td>Data mining, Bioinformatics</td>
</tr>
<tr>
<td>28</td>
<td>CSE</td>
<td>Dr. Anuradha</td>
<td>Data Mining, Machine Learning, Medical Informatics</td>
</tr>
<tr>
<td>29</td>
<td>CSE</td>
<td>Dr. Sumanlata Gautam</td>
<td>Signal Processing, Machine Learning</td>
</tr>
<tr>
<td>30</td>
<td>CSE</td>
<td>Dr. Jyoti Sahi</td>
<td>Cloud Computing</td>
</tr>
<tr>
<td>31</td>
<td>EECE</td>
<td>Dr. Prof. Swaran Ahuja</td>
<td>Wireless Communication</td>
</tr>
<tr>
<td>32</td>
<td>EECE</td>
<td>Dr. Nitin Malik</td>
<td>Power Systems, Solar PV systems</td>
</tr>
<tr>
<td>33</td>
<td>EECE</td>
<td>Dr. Neeraj Shukla</td>
<td>VLSI</td>
</tr>
<tr>
<td>34</td>
<td>EECE</td>
<td>Dr. Rekha Vig</td>
<td>Signal and Image Processing, Biomedical Engineering</td>
</tr>
<tr>
<td>35</td>
<td>EECE</td>
<td>Dr. Sharda Vashisth</td>
<td>Signal and Image Processing, Biomedical Electronics, Wireless Communication, Navigation Systems</td>
</tr>
<tr>
<td>36</td>
<td>EECE</td>
<td>Dr. Anjali Garg</td>
<td>Power Generation &amp; control of solar and wind energy, AI</td>
</tr>
<tr>
<td>37</td>
<td>EECE</td>
<td>Dr. Mona Agarwal</td>
<td>Wireless Communication</td>
</tr>
<tr>
<td>38</td>
<td>EECE</td>
<td>Dr. Shaveta Arora</td>
<td>Image Processing, Soft Computing</td>
</tr>
<tr>
<td>39</td>
<td>EECE</td>
<td>Dr. Hemani Kaushal</td>
<td>Optical Communication</td>
</tr>
<tr>
<td>40</td>
<td>EECE</td>
<td>Dr. Vandana Khanna</td>
<td>Solar PV systems, VLSI</td>
</tr>
</tbody>
</table>
16. **STUDENTS DISCIPLINE**

(a) The University expects that every student in the University shall at all times display good behaviour, show diligence in studies, maintain decorum and dignity, take due interest in co-curricular activities, observe a code of conduct both within and outside the campus in a manner befitting to the student of a university of national stature and observe rules of discipline of the University and thus ensure free and congenial environment for all its students to pursue their studies without any distraction.

(b) Each student shall show due respect and courtesy to the teachers, administrators and other employees in and outside the University and good behavior to fellow students including residents in surrounding areas or around hostels. Students shall pay particular attention to safeguard the dignity and honor of fellow girl students and the lady faculty and shall not do anything directly, indirectly or through social media or aid any one in doing so, which could cause mental or physical harassment, insult, defamation or outrage the modesty of women inside or outside the campus.

(c) Association, active or passive, with any unlawful organization, including holding and participating in demonstrations, inciting agitation and violence, display notices or circulating unwanted emails or messages on social media, media or handbills in the University/and/or its hostel(s) are strictly prohibited.

(d) Smoking, consumption of alcohol, drugs or any other intoxicant by whatsoever name called with the University premises and/or its hostel(s) is strictly prohibited by law.

(e) Use of cellular/satellite telephones (other than the area defined by the University) is strictly prohibited.

(f) There is a complete prohibition of ragging in NCU and NCU follows a ZERO tolerance policy towards ragging. The University strictly enforces provisions of the Haryana Prohibition of Ragging in Educational Institutions Act 2012 and UGC Regulations on Anti Ragging pursuant to Hon’ble Supreme Court of India order dated 08/05/2009 in the case tilted “University of Kerala Vs. Council, Principal’s College Kerala.”
(g) No student shall practice ragging in any form within or outside the premises of the University, hostels or PGs. In a proven case of ragging whether FIR has been lodged or not, invariably the student shall face suspension for at least a period of two semesters and may also be imposed with any one or combinations of punishment mentioned in the Haryana Prohibition of Ragging in Educational Institutions Act 2012 and reproduced in the Students Diary.

(h) Besides, police/legal action, a student found indulging in any ragging or undesirable activity is liable to be expelled from the University or face such other punishments by the Disciplinary Committee, as provided for in the Ordinance 8 of the First Ordinance. In case of expulsion from the University, under such circumstances, the student’s tuition or any other fee paid by him/her will be forfeited.

(i) An Anti-Ragging declaration as mentioned in relevant Form is attached to this prospectus and is to be filled, signed and submitted along with the other documents at the time of admission.

17. **LIMITED LIABILITY**

All admissions made by the Selection Committee are provisional and subject to confirmation by the Vice-Chancellor of the University. If the admission of any candidate is not confirmed by the Vice-Chancellor, for any reason whatsoever, the liability of the University will be limited only to the refund of full fees paid by the candidate and that there shall be no further consequent liability on the University and / or any of its employee.

18. **JURISDICTION**

Disputes, if any, arising out of this Admission Policy & Selection Procedure shall be the subject matter of exclusively of courts in Gurugram only.

19. **HELPLINE/WHOM TO CONTACT**

For general queries related to **Ph.D. admission**, contact the following:

*For department specific queries of School of Engineering and Technology (SOET), contact the following, departmental Ph.D. coordinators:*

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Department</th>
<th>Name of Ph.D. Coordinator</th>
<th>Email Address</th>
<th>Mobile Phone number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Mechanical Engineering</td>
<td>Dr. Rohit Singh Lather</td>
<td><a href="mailto:rohitlather@ncuindia.edu">rohitlather@ncuindia.edu</a></td>
<td>9899960797</td>
</tr>
<tr>
<td>2</td>
<td>Civil and Environmental Engineering</td>
<td>Dr. Vaishali Sahu</td>
<td><a href="mailto:vaishalisahu@ncuindia.edu">vaishalisahu@ncuindia.edu</a></td>
<td>9650129730</td>
</tr>
<tr>
<td>3</td>
<td>Electrical, Electronics and Communication Engineering</td>
<td>Dr. Nitin Malik</td>
<td><a href="mailto:nitinmalik@ncuindia.edu">nitinmalik@ncuindia.edu</a></td>
<td>8010529215</td>
</tr>
<tr>
<td>4</td>
<td>Computer Science and Information Technology</td>
<td>Ms. Jagdeep Kaur</td>
<td><a href="mailto:jagdeep@ncuindia.edu">jagdeep@ncuindia.edu</a></td>
<td>9711881860</td>
</tr>
<tr>
<td>5</td>
<td>Applied Sciences and Centre for Languages Learning</td>
<td>Applied Sciences</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dr. Tejpal</td>
<td><a href="mailto:tejpal@ncuindia.edu">tejpal@ncuindia.edu</a></td>
<td>9910436314</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dr. Ambika</td>
<td><a href="mailto:ambika@ncuindia.edu">ambika@ncuindia.edu</a></td>
<td>9560916060</td>
</tr>
<tr>
<td></td>
<td>English</td>
<td>Dr. Divyabha</td>
<td><a href="mailto:divyabha@ncuindia.edu">divyabha@ncuindia.edu</a></td>
<td>9811738101</td>
</tr>
</tbody>
</table>

b) *For queries related to Ph.D. admission School of Management contact the following:*

Dr. Nirupma Gupta  
Member Secretary DRC, School of Management  
Email: nirupmagupta@ncuindia.edu
Phone: +91124 2365811/12/13, Mobile: 9873607004
University Website: www.ncuindia.edu

c) For queries related to Ph.D. admission School of Law contact the following:

Dr. Balwinder Singh
Member Secretary DRC, School of Law
Email: balwindersingh@ncuindia.edu
Phone: +91124 2365811/12/13, Mobile: 8825038846 / 8448570244
University Website: www.ncuindia.edu

d) For overall queries related to Ph.D. admissions contact the following:

Dr. Anjali Garg
Ph.D Cell
Email: anjaligarg@ncuindia.edu
Phone: +91124 2365811/12/13, Mobile: (0) 9871370985, 8448495100
University Website: www.ncuindia.edu

20. IMPORTANT DATES
(For admissions in Ph.D. during 2nd Semester 2019-2020, July 2019 admissions)

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Details</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Advertisement for Ph.D. admission (on Website or Newspaper) and Application forms available online</td>
<td>15th March 2019 (Friday)</td>
</tr>
<tr>
<td>2.</td>
<td>Last date for submission of fully filled application forms</td>
<td>1st July 2019 (Monday)</td>
</tr>
<tr>
<td>3.</td>
<td>Entrance Test (NPET) and Interview</td>
<td>6th July 2019 (Saturday)</td>
</tr>
<tr>
<td>4.</td>
<td>Online display of admission list</td>
<td>10th July 2019 (Wednesday)</td>
</tr>
<tr>
<td>5.</td>
<td>Last date for fees deposition and document verification* by candidates.</td>
<td>16th July 2019 (Tuesday)</td>
</tr>
<tr>
<td>6.</td>
<td>Registration dates** (Registration will be done on-line)</td>
<td>16th July – 20th July 2019</td>
</tr>
<tr>
<td>7.</td>
<td>Commencement of classes</td>
<td>22nd July 2019 (Monday)</td>
</tr>
</tbody>
</table>

* Document Verification:
  - Refer clause 9 for documents to be verified.
  - Refer Clause 19 for verification of documents from respective Ph. D coordinators (Department/School wise).

** Registration shall be done by quoting fee receipt no. issued by Accounts Department after due deposition of fees.

21. NCU Ph.D. Entrance Test (NPET), 6th July 2019

1. The test paper for each Department/School will be of objective type, to be attempted in 2 hours with answers to be given by the candidates in the space provided in the paper itself. There will be no negative marking. The questions may be multiple choices and/or fill in the blanks type and/or True/False types with reasons. The paper consists of Analytical reasoning, Research Methodology and Department/School specific technical topics, the syllabus for which is given below point 2. Student will be assessed in the interview for his/her knowledge in the research area of interest / broad area as indicated by the applicant in the application form. (Refer clause 3).
2. **The topics for written test will be as follows:**

**Topics common for all Schools:**

a) **Analytical Reasoning:** Syllogism, Statement and Arguments, Statement and Assumptions, Statement and Conclusions, Deriving Conclusion, Assertion and Reason, Punch Lines, Situation Reaction Tests, Cause and Effect, Analytical Reasoning

b) **Research Methodology:** Foundations of Research, Scientific Research, Motivation, Research Objectives, Research Designs, Research Processes, Design of Experiments, Understanding Feasibility of Objectives and Processes, Qualitative and Quantitative Research Methods, Data Collection Processes, Biases in Data Collection

**Technical Topics:**

| [A] SCHOOL OF ENGINEERING AND TECHNOLOGY  
(ENGINEERING, PHYSICS, CHEMISTRY, MATHS, ENGLISH) | NPET Topics |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>APPLIED SCIENCES</td>
<td>C, c++-programming, object oriented programming, operating system, dbms, computer architecture, software engineering, data structure, advanced algorithm, computer networks, discrete mathematics</td>
</tr>
<tr>
<td>CSE &amp; IT</td>
<td>American Literature in 19th century, Modern American Literature, British Literature, Trends and Movements in British Literature, Contemporary Indian Writings in English, Translation of Indian Writing, Diaspora Literature, Multiculturalism, Cross cultural studies and Comparative Literature and History of English Literature.</td>
</tr>
</tbody>
</table>
Write NA wherever not applicable. All fields are mandatory.

(All columns need to be filled in Capital letters with black ball point pen only)

1. Name of the Applicant (in English) …………………………………………………………………………
   Name of the Applicant (in Hindi) …………………………………………………………………………………

2. Father’s Name (in English) …………………………… (in Hindi)………………………………………………

3. Mother’s Name (in English) …………………………… (in Hindi)………………………………………………

4. CORRESPONDENCE ADDRESS
   Address …………………………………………………………………………………………………………………
   ……………………………………………………………………………………………………………………………
   ……………………………………………………………………………………………………………………………
   Town/City ……………………………………………………………………………………………………………
   State ………………………………………………………………………………………………………………….
   Student Mobile No(s) …………………………………………………………………………………………….
   Alternative Mobile No. ……………………………………………………………………………………………
   Parent Mobile No……………………………………………………………………………………………………
   Student Email ID……………………………………………………………………………………………………
   Landline no. with STD Code……………………………………………………………………………………

4. PERMANENT ADDRESS
   (Fill only if different from Correspondence Address)
   Address …………………………………………………………………………………………………………………
   ……………………………………………………………………………………………………………………………
   ……………………………………………………………………………………………………………………………
   Town/City ……………………………………………………………………………………………………………
   State ………………………………………………………………………………………………………………….

6. Student’s Aadhaar Card No.

7. Date of Birth ……………………………………… Age as on 30/06/2019 ………………………………………

8. Gender: Male [ ] Female [ ] Transgender [ ]

9. APPLICATION FOR FULL TIME / PART TIME PROGRAMME
   Full Time Programme with fellowship [ ] Full Time Programme [ ] Part Time Programme [ ]

   Note: Part Time candidates have to submit no objection certificate from the current employer.
All candidates are required to pay application fee of Rs. 1000/- either through cash receipt or DD drawn in favor of The NorthCap University, Gurugram payable at Gurugram.

10. NATIONAL/STATE LEVEL TEST: (NET/NET-JRF/GATE/SLET) OR ANY OTHER TEST

<table>
<thead>
<tr>
<th>Type of Test Qualified</th>
<th>Roll No.</th>
<th>Score (out of how much)</th>
<th>Rank</th>
<th>Qualifying Year</th>
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</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>

Are you in receipt of any Fellowship (JRF/SRF): ________________________________?

11. ACADEMIC QUALIFICATIONS:

<table>
<thead>
<tr>
<th>Examination</th>
<th>Subject</th>
<th>University/Board</th>
<th>Year</th>
<th>Percentage Marks/CGPA</th>
<th>Division</th>
</tr>
</thead>
<tbody>
<tr>
<td>Secondary, High School or equivalent</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sr. Secondary, Intermediate, or equivalent</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Under Graduate Degree in BSc. / B. Com/Arts/Engg./Mgt./Law (Choose One)</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Post Graduate in M.Tech/MBA/ M. Com/LLM/ M.Sc./MPhil/M.A (Choose One)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Complete Name and Address of Last Attended University/College/Institute:

Department and area in which the candidate proposes to work (refer clause 3):
(a) Broad Area/Subject: ______________________________________________________
(b) Department/Centre: ______________________________________________________

12. Preferred Choice of Supervisors, if any (Refer list at clause 15). However final decision to allot a Supervisor shall rest with the Department/University

(a) ______________________________________________________________________
(b) ______________________________________________________________________

13. Domicile Details (Tick only)

(a) Haryana General [ ] (b) SC [ ] (c) OBC [ ] (d) Kashmiri Migrant [ ]

14. Total Annual Family Income from all sources (in Rs. Lakhs only): ………………………………………………………………………………………………..

15. How did you get information about NCU, Gurugram?

<table>
<thead>
<tr>
<th>Source</th>
<th>NCU Website</th>
<th>Current student of NCU</th>
<th>Counselor</th>
<th>Internet</th>
<th>Friends/relatives</th>
<th>Alumni</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Newspaper</td>
<td></td>
<td></td>
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<tr>
<td>NCU Website</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Current student</td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Counselor</td>
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<td></td>
</tr>
<tr>
<td>Internet</td>
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<tr>
<td>Friends/relatives</td>
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<td>Alumni</td>
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</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

16. Have you ever been convicted for any Criminal Offence

Yes [ ] No [ ]

17. Is there any case pending against you before a Court/Police/ School/ University

Yes [ ] No [ ]

(If yes for point 16 and/or point 17, provide full details on a separate sheet of paper)

SIGNATURE OF THE APPLICANT WITH DATE
DECLARATION BY THE CANDIDATE

I, hereby declare that all the particulars stated in this Application Form are true to the best of my knowledge and belief. I also affirm that I have read in detail the Admission Policy & Selection Procedure July 2019 of The NorthCap University, Gurugram including its fee structure and withdrawal policy before submitting this application and agree to unconditionally abide by the same. I understand that the decision of the University is final with regard to my admission and fellowship. I promise to abide by the rules and regulations of the University as existing and as would be amended from time to time. If it is proved that I was admitted on false particular and / or documents provided by me or my antecedents prove that my continuance in this University is not desirable, the University shall have the right to expel me from the University, besides being liable for legal action against me, at my cost.

Place: ____________________
Date: ____________________
Signature of the Applicant _____________________________

LIST OF ENCLOSURES (Self Attested) TO BE SUBMITTED WITH THE APPLICATION

1) FORM 1: APPLICATION FORM
2) FORM 2: DECLARATION CUM UNDERTAKING
3) FORM 3: ANTIRAGGING FORM
4) UNIVERSITY FELLOWSHIP FORM (IF ELIGIBLE AND IF APPLIED)
5) RELEVANT DOCUMENTS AS MENTIONED IN PARA 9.1 OF THE ADMISSION POLICY.

Application forms and other required documents if submitted offline should be posted or submitted in person to:

<table>
<thead>
<tr>
<th>School of Engineering and Technology</th>
<th>School of Management</th>
<th>School of Law</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Anjali Garg. Ph.D. Cell</td>
<td>Dr. Nirupma Gupta</td>
<td>Dr. Balwinder Singh</td>
</tr>
<tr>
<td>School of Engineering and Technology, The NorthCap University, HUDA Sector 23-A, Gurugram, Haryana - 122017</td>
<td>Member Secretary DRC, School of Management The NorthCap University, HUDA Sector 23-A, Gurugram, Haryana - 122017</td>
<td>Member Secretary DRC, School of Law The NorthCap University, HUDA Sector 23-A, Gurugram, Haryana - 122017</td>
</tr>
</tbody>
</table>
DECLARATION CUM UNDERTAKING

I have read and understood that The NorthCap University (NCU) has been established by the Haryana State Legislature under The Haryana Private Universities (Third amendment) Act, 2009 and NCU is a Private Self-Financed University recognized by UGC and approved under Section 22(f) of the UGC Act, 1956. NCU has been included by UGC in their select list of approved Universities. This list of recognized Universities can be obtained from the UGC website www.ugc.ac.in

I have clearly understood that the functions of Admission, Course Design, Curriculum Structures, Teaching Methodologies, Examinations/ Evaluation System (Internal and External) and all other issues related thereto including but not limited to the credit/ grading system, submission of synopsis, award of thesis etc. Shall be performed entirely by the University in accordance with the guidelines prescribed in the Statute/ Ordinances/rules and regulations as approved by NCU from time to time.

I hereby agree and undertake that if admitted, I shall abide by all the rules and regulations of NCU from time to time including but not limited to attendance, course work, Internal / External Examination, evaluations, publishing research work, submission of synopsis, thesis and plagiarism policy and ethics as prescribed in NCU Ph.D. rules and regulations, matters of discipline, timely payment of fee etc. I also agree that simply paying fees and spending time do not let me become eligible to complete Ph.D. and that I need to do quality research and publish quality publications, following the rules and regulations and should meet the eligibility conditions for the submission of thesis.

I understand that compliance to NCU rules/regulations as applicable is mandatory and non-compliance may lead to cancellation of my Ph.D. registration.

I understand that my admission to NCU if at all is provisional and subject to confirmation by Chancellor.

I hereby affirm that the information furnished in the Application Form is true and no material information has been concealed. If any information is found to be false, incorrect or misleading, NCU shall have the authority to cancel my candidature/admission without any further enquiry or notice. Under the circumstances, all fee paid for whatsoever purpose shall stand fully forfeited.

I understand and agree that Ragging and/or Smoking within the premises of the University and/or its hostels are illegal and strictly prohibited. I understand that the University has a ZERO Tolerance policy for indulging in any such act and that, if I am found engaging in any such act(s) or any other unlawful act(s) directly or indirectly, besides Police/Legal Action against me, I shall be expelled from the University. In such an event my fee shall also be forfeited.

I also affirm that I have read in detail the Admission Policy & Selection Procedure July 2019 of NCU including its fee structure and the withdrawal policy before submitting this application and agree to unconditionally abide by the same.

I further undertake that the broad areas which I have opted as indicated by me in the Application Form shall be irrevocable.

I also confirm that I have read the Ph.D. Rules and Regulations of NCU.

I have clearly understood the withdrawal policy of the University and the financial impact of a mid-course withdrawal on an unaided self-financed University like NCU. Therefore, in the event of withdrawal/cancellation of my admission from PhD programme, the fees already deposited by me will not be returned to me in any form.

That the contents of this undertaking have been read over and explained to me in vernacular and I am executing the same after understanding the contents thereof.

____________________________________
SIGNATURE OF APPLICANT

DATE

PLACE
ANTI RAGGING

SELF DECLARATION BY THE STUDENT

1) I, ........................................ (full name of student with admission/registration/enrolment number) S/o, D/o Mr./Mrs./Ms.………………………………….., having been admitted to “THE NORTHCAP UNIVERSITY” have carefully read “THE HARYANA PROHIBITION OF RAGGING IN EDUCATIONAL INSTITUTION ORDINANCE, 2012” and fully understood the provisions contained in the said Ordinance.

2) I have, in particular, perused clause 2(f) of the Ordinance and am aware as to what constitutes ragging.

3) I have also, in particular, perused clause 8 of the Ordinance and I am fully aware of the penal and administrative action that is liable to be taken against me in case I am found guilty of or abetting ragging, actively or passively, or being part of a conspiracy to promote ragging.

4) I hereby solemnly aver and undertake that:
   a) I will not indulge in any behavior or act that may be constituted as ragging under the ordinance.
   b) I will not participate in or abet or propagate through any act of commission or omission that may be constituted as ragging under the ordinance.

5) I hereby affirm that, if found guilty of ragging, I am liable for punishment according to the Ordinance, without prejudice to any other criminal action that may be taken against me under any penal law or any law for the time being in force.

6) I hereby declare that I have not been expelled or debarred from admission in any institution in the country on account of being found guilty or, abetting or being part of a conspiracy to promote, ragging; and further affirm that, in case the declaration is found to be untrue, I am aware that my admission is liable to be cancelled.

Declared this…… day of………………month of ………….year.

..................................................

Signature of Student
**APPLICATION FOR UNIVERSITY FELLOWSHIP**

**THE NORTHCap UNIVERSITY**

[Only for those who are applying for full time Ph.D. programme]

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**Post Applied For**

<table>
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<tr>
<th>University Fellow</th>
<th>Department</th>
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1a. **NAME**

1b. **STATUS**
   - Single/ Married:

1c. **GENDER**
   - Male/ Female:

---

2a. **Present Address**

2b. **Permanent Address**

---

2c. **Email**

2d. **Mobile**

2e. **Residence Ph. No.**

---

3. **Date of Birth**

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4. **Present Employment, if any**

   - **Designation**
   - **Organization / Institution**
   - **DOJ**: DD | MM | YYYY
   - **Pay Scale Rs.**
   - **Basic Pay Rs.**

---

5. **Valid GATE/NET/SLET Score, if any**

---

6. **Ph.D. admission**
   - Applied for / Already admitted into Ph.D. programme of NCU (Please tick)

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7. **Areas of research interest**

---

8. **Academic record starting with Higher Secondary( XII) or equiv.**

<table>
<thead>
<tr>
<th>Degree</th>
<th>College / University / Institute</th>
<th>Year of Completion</th>
<th>Percentage/ Score</th>
<th>Class / Division/ Rank</th>
<th>Full Time / Part Time</th>
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9. **Experience if any (In Years):**

   - Teaching
   - Research
   - Industry
   - Any other (with details)

---
10. Employment, if any (Particulars of your previous work history, starting from Current Employment)

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<thead>
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<th>Employer</th>
<th>Position held</th>
<th>DOJ</th>
<th>Date of Leaving</th>
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11. Teaching experience, if any (All Previous assignments including current):

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<th>S.No.</th>
<th>Title of course taught</th>
<th>PG/UG</th>
<th>Duration</th>
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12. Professional Training Received

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<th>Nature of Training</th>
<th>Duration</th>
<th>Organization where training was provided</th>
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13.(i) Important Conferences / Seminars attended

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<tr>
<th>Year</th>
<th>Conferences / Seminars attended</th>
<th>Title of paper read (if any)</th>
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(ii) Journals (National/ International)

<table>
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<tr>
<th>S No</th>
<th>Title of Research Paper</th>
<th>Details like journal name, date of publication, Volume, pg no.</th>
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(iii) Any other Accomplishments (Books, Commentary, Projects etc.) Give details


NOTE: 1. Kindly attach complete list of papers, journals and proceedings, in case of insufficient space.
   2. Any additional information, if any, may be appended in a separate sheet with the relevant item number.
   3. Provide references of your previous employment, if any. Give email ids and contact no.

I hereby declare that I have carefully read and understood the instructions and particulars supplied to me, and that all entries in this form as well as the attached sheets are true to the best of my knowledge and belief.

Date: ___________________________ (Signature of Applicant)

Place: ___________________________
Thank you for your interest in The NorthCap University. We expect our students to have the motivation to go through a rigorous programme and realize their full potential. We offer an extraordinary educational environment - a place to define your aspirations and prepare to achieve them.

OPEN DAYS

Book a place on one of our Open Days, where you can meet the Faculty and know about the academic structure of the University, explore our Campus and discover more about the courses that have ignited your interest. We shall also take you around the campus, which will give you an insight to explore our facilities and services.

Wednesday (From 1 PM - 3 PM)
May 23, 30, June 6, 13, 20, 27

Virtual Tour
Take a virtual tour, giving you a panoramic view of the whole campus and facilities available - please visit

http://www.ncuindia.edu/virtual_tour