

ITM UNIVERSITY, GURGAON
IS NOW
THE NORTHCAP UNIVERSITY



INTELLECTUAL CAPITAL

A Diverse Faculty Community

“The one
exclusive sign
of thorough
knowledge is
the power of
teaching.

Aristotle



Prof. Kaptan Singh Solanki
Governor of Haryana



हरियाणा राजभवन,
चण्डीगढ़।
HARYANA RAJ BHAVAN,
CHANDIGARH.

Message

I am extremely happy to note that ITM University*, Gurgaon has emerged as one of the leading universities in North India. It is good to see that ITM University has been providing high quality education in Engineering, Management and Law. I am impressed by the way; this University has grown from strength to strength since its inception to become a unique multidisciplinary University of higher learning in North India. I am happy to see an absolute ragging-free environment in the University and its excellent intake and placement records. The ratio of female employees and students in different streams is praiseworthy. With relevant and innovative courses, excellent infrastructure and qualified faculty, ITM University shows its commitment to academic development in India in general and Haryana in particular.

I am confident that the University will continue to deliver quality education to serve as an intellectual resource base in India and the world, I wish ITM University, Gurgaon all the best in its endeavours to achieve academic goals and excellence.

(Prof. Kaptan Singh Solanki)

*Now THE NORTHCAP UNIVERSITY

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INTELLECTUAL CAPITAL

To keep pace with our growth aspirations and to take our University to greater heights ITM University, Gurgaon, rechristened as THE NORTHCAP UNIVERSITY (NCU), now has a smart new and distinct identity that symbolizes innovation and creativity. Being a multidisciplinary university engaged in cutting edge research the focus of THE NORTHCAP UNIVERSITY is on excellence in teaching and research in various areas including engineering, sciences, humanities, management and other emerging areas of interest. Its vision is to bring out quality engineers, scientists and professionals who, through their impactful work, will leave 'footprints on the sands of time'.

The University recognizes and nurtures talent and provides most viable and time-relevant opportunities to its students and faculty to develop their abilities and enrich themselves professionally, thus enabling them to be globally competitive and ready to change the landscape of the future.

The University has a strong ethos and professionalism inculcated by its rich intellectual wealth comprising of top academia and industry leaders of India and abroad, and has all the potential to lead the world in academics. Our faculty encourage students to be free thinkers, creative individuals and not rote learners possessing strong decision making abilities, strength of character and a strong commitment to work for the betterment of society. We believe that education is not only about getting a degree but also about enabling the country to find solutions to its problems.

We engage with all levels of government, industry and the community to meet challenges and take advantage of opportunities as they arise. Collaboration in selected niche areas is a feature of the current and future strategy of THE NORTHCAP UNIVERSITY. We continue to encourage interdisciplinary working and have developed research strategies that break down internal boundaries and work in areas that fit close with socially relevant research priorities.

Our University is committed to making the students' educational experience multifaceted and holistic, an education system that is industry relevant and entrepreneurship oriented making them industry ready for a smooth transition from campus-to- corporate. Our innovative approach to academics, our intellectual capital and inspiring leadership, supported by world-class infrastructure are our key strengths.

EDUCATION TAKES A GIANT LEAP



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:

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

Core Values:

1. Integrity in all endeavours.
2. Humility, compassion and concern for all.
3. Passion for quality and excellence.
4. Quest for innovation.
5. Leadership and Team Spirit.
6. Autonomy with Accountability.
7. Perseverance.





Message from the Chancellor

It is a pleasure to release the third edition of 'Intellectual Capital', a coffee table presentation which provides an overview of THE NORTHCAP UNIVERSITY's rich repository of academic talent. The University has been a frontrunner in the field of higher education since the last 19 years. We have a great responsibility to produce socially conscious and highly skilled professionals who can address contemporary issues with innovative solutions. Let us not rest on our laurels but consistently endeavour to improve in every sphere of activity.

In the fast changing global economic environment, THE NORTHCAP UNIVERSITY (NCU) strives to bring a global perspective to all its programmes and activities. The University has global alliances with highly reputed academic organizations as we believe in preparing leaders who can contribute to the national and global economy and society as a whole.

Students are our key stake-holders and we are committed to providing them world-class technical and subject specific expertise in a nurturing environment for lifelong learning. I am confident that the dedicated faculty, mentors, staff and alumni of NCU will inspire and motivate the students to 'work smart' and engage in rigorous academic work, reflecting a sense of passionate commitment to achieve excellence. My best wishes to one and all.

N K Dewan
Chancellor





Message from the Pro-Chancellor, Professor of Eminence & Chief Mentor

ITM University, Gurgaon, rechristened as THE NORTHCAP UNIVERSITY, carries an admirable legacy of nearly two decades, rising from an institute of engineering and management to a multidisciplinary University of repute in Delhi-NCR. With our new identity we reiterate our commitment to the same level of quality and standards that we have benchmarked for ourselves and are committed to groom human resources to meet today's challenges and tomorrow's opportunities. We are proud to claim that our faculty and the members of various statutory boards are distinguished in their respective disciplines and are persons of eminence.

I am happy to see the new edition of 'Intellectual Capital' that acquaints us with our dynamic knowledge resources. To encourage a vibrant intellectual culture, the University has on board domain-expert faculty as well as experienced stalwarts from the corporate world. We strive to offer innovative programmes of study and research for the growth of our student body and to ensure that every student is equipped for a rewarding career. The entire course structure is regularly reviewed and updated keeping in view the latest developments in specific subject areas. We continuously enhance our academic capabilities and instructional skills which will enable us to maintain our expertise and currency in our respective disciplines. A holistic perspective with the right degree of flexibility is the key driver of our academic policies.

We are clear that it is our responsibility to help our students realize their goals in an increasingly competitive world. We continue to focus on empowering our students with intellectual skills and professional abilities that will enable them to seamlessly integrate and grow in a corporate environment. Emphasis is on industry integration and course design in tune with industry needs. We help our students understand how to put theories to practice and align them as per industry needs. Our priority is to strengthen the teaching-learning processes, research and extension programmes, co-curricular activities, sports and other similar activities to foster competencies for global employability of our students.

We endeavour to develop competent, committed and compassionate graduates who will make a difference to the people among whom they work. We want to equip our graduates with the ability to quantitatively analyze a problem in its entirety and think critically as well as qualitatively. We groom our students with skills for lifelong learning and continuous development. They should not only excel academically but also respond swiftly to professional challenges and think beyond what is written in books and contribute effectively to the process of nation building. In addition to knowledge dissemination, the University also has a strong focus on knowledge creation and application through research publications, creativity, innovation and entrepreneurship.

My best wishes to all for a challenging journey of making THE NORTHCAP UNIVERSITY a centre of academic excellence and creativity.

Prof. Prem Vrat

*Pro-Chancellor, Professor of Eminence &
Chief Mentor*

“ Our aim is to empower students and develop competent professionals who will form the backbone of modern India. We always look for ways to create an intellectually vibrant and nurturing environment to facilitate lifelong learning.



Message from the Pro Vice-Chancellor

THE NORTHCAP UNIVERSITY (NCU) is renowned for leadership and research in engineering, sciences, management and law at the undergraduate and postgraduate levels. As the Pro Vice-Chancellor of NCU, it is an honour and privilege for me to be part of its strong and dedicated faculty team. The University has adopted a contemporary global pedagogy across all disciplines and emphasis is laid on a combination of theoretical knowledge and its practical application. We offer hands-on practical activities in laboratories and industries so that our students get opportunities to work in a real world setting.

We lay a strong emphasis on interdisciplinary work as we understand the limitations of compartmentalized knowledge. There is a need for greater collaboration between different fields so that individuals are not restricted by boundaries of classrooms and disciplines and are encouraged to pursue knowledge according to the dictates of their own hearts and minds. Trans-disciplinary learning makes it more useful and interesting and in accordance with global best practices.

We support research that is driven by curiosity and which can have an immediate and measurable impact on industry and society. The University offers a challenging and supportive environment to help students adapt to future challenges by encouraging them to participate in and contribute to the learning experience by discussing, debating or disagreeing, where necessary. For this we strive to ensure a high level of faculty engagement with the teaching-learning process.

We nurture our students to be good human beings and excel in different realms of life and prove their calibre by winning laurels for the University. Let us ignite the spark of creativity in our students and rededicate ourselves to meeting our students' aspirations, thereby making THE NORTHCAP UNIVERSITY one of the most preferred destinations of higher education in India.

Brig. SK Sharma (Retd)
Pro Vice-Chancellor





Message from the Registrar

THE NORTHCAP UNIVERSITY ensures a free and congenial atmosphere in a gender equality environment conducive to learning of the highest order. It is committed to totally merit based decisions in every aspect of its learning environment; from admission and evaluation of students to selection of faculty and staff. We appreciate the benefits of teamwork and foster collaborative engagement between faculty, support staff and students. The Learning Management System aims to play a central role in promoting collaborative engagement in the University.

We endeavour to seek excellence in our academic activities and in all the services we provide, to improve the quality of life of our students and the community we serve. NCU offers an enabling environment for continuous research among faculty members as well as students. Mentoring at both faculty and student levels invigorates academic rigour and research orientation at the University. The University imparts technical and professional skills along with soft skills like communication and interpersonal skills. We strive to make our students industry worthy and ready to face the challenges of the 21st century.

Our focus is on imparting broad-based and holistic education to produce well-balanced individuals who are morally and socially conscious and have a sound basic education that enables them to charter a path to their chosen careers.

Col. Bikram Mohanty (Retd)
Registrar



Governing Body



Mr Navdeep K Dewan
Chancellor



Prof. Prem Vrat
Pro-Chancellor,
Professor of Eminence
& Chief Mentor



Brig. S K Sharma (Retd)
Pro Vice-Chancellor,
Officiating
Vice-Chancellor



Mr Vijai Vardhan, IAS
Additional Chief Secretary
Higher Education Dept.,
Govt. of Haryana



Mr Shiv Saran Mehra
Founder and Member
Governing Body



Mr Avdhesh Mishra
Founder and Member
Governing Body



Mrs Kavita Mishra
Founder and Member
Governing Body



Mr Z Daulet Singh
Founder and Member
Governing Body,
Educationist



Mr Rajesh Marwaha
Chartered Accountant
and Member
Governing Body



Prof. MS Sodha
Padmashree
Former Vice-Chancellor,
Barkatulla, Bhopal,
Indore and Lucknow
Universities and
Member Governing Body,
SS Bhatnagar Awardee



Col. Bikram Mohanty (Retd)
Registrar,
Member Secretary





Board of Management



Brig. S K Sharma (Retd)
Pro Vice-Chancellor,
Officiating
Vice-Chancellor



Mr. Vijai Vardhan, IAS
Additional Chief Secretary
Higher Education Dept.,
Govt. of Haryana



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Founder and Member,
Governing Body



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Ms. Neera Makhija
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Advocate



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Director,
School of Engineering
and Technology



Dr. Charu Shri
Acting Head,
School of Management



Dr. Pushpesh K. Pant
Dean & Professor,
School of Law



Prof. Swaran Ahuja
Dean (Academics) and
Head, Dept. of
Electrical, Electronics
and Communication
Engineering



Mr. Manoj Gopaliya
Deputy Dean,
Academics,
Undergraduate
Studies



Col. Bikram Mohanty (Retd)
Registrar,
Member Secretary

Academic Council



**Brig. S K Sharma
(Retd)**
Pro Vice-Chancellor,
Officiating
Vice-Chancellor



Prof. Prem Vrat
Pro-Chancellor,
Professor of Eminence
& Chief Mentor



Mr BK Gupta
Director
School of Professional
Attachment



Prof. Ravindra Ojha
Director,
School of Engineering
& Technology



Dr Pushpesh K Pant
Dean & Professor,
School of Law



Dr Latika Singh
Head,
Department of
Computer Science
Engineering and
Information Technology



Dr Charu Shri
Acting Head,
School of Management
& Chairman, Library
Committee



Prof. Swaran Ahuja
Dean (Academics)
Head, Department of
Electrical, Electronics
and Communication
Engineering



Dr Pramod Bhatia
Head,
Department of
Mechanical Engineering



Dr Praveen Lohchab
Officiating Head,
School of Law



Amit Srivastava
Officiating Head,
Department of Civil &
Environmental
Engineering



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Dy Dean,
Research Development
and Industrial Liaison





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Department of
Applied Sciences



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Dept. of Electrical
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Sr Fellow,
National Council of Applied
Economics Research,
New Delhi



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National Law University,
New Delhi



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Professor,
MDI, Gurgaon



Prof. Ravi Shankar
Department of
Management Studies,
IIT Delhi



Dr Indu Bhaskar
Scientist F, HOD,
& Chief Vigilance Officer,
DSIR, Ministry of Science
& Technology, New Delhi



Dr Shrutimita Mehta
Head, Centre for
Languages Learning &
Dy Dean (Students)



Mr Manoj K Gopaliya
Dy Dean, Academics (UG)



**Col. Bikram Mohanty
(Retd.)**
Registrar
Member Secretary



Anubha Yadav
Special Invitee
Student Representative
(By rotation)



Suyash Abhay Ghirnikar
Special Invitee
Student Representative
(By rotation)

Multi-disciplinary Programmes

Special attention is given to providing practical orientation to the teaching-learning process by validating theoretical concepts through hands-on work.

I. SCHOOL OF ENGINEERING & TECHNOLOGY

A. BTech

- i. Computer Science and Engineering
- ii. Electronics and Communication Engineering
- iii. Mechanical Engineering
- iv. Civil Engineering
- v. Electrical Engineering, Electrical & Electronics Engineering
- vi. Information Technology

B. MTech

1. Department of EECE

- i. Electronics & Communication Engineering
- ii. VLSI Design
- iii. Embedded Systems

2. Department of CSE & IT

- i. Computer Science and Engineering with option of specialization in Cyber Security

3. Department of Mechanical Engineering with options of specialization in:

- i. Thermal Engineering
- ii. Mechanical Engineering Design
- iii. Industrial and Production Engineering
- iv. Automobile Engineering

4. Department of Civil and Environmental Engineering

- i. Structural Engineering
- ii. Construction Technology & Management
- iii. Environmental Engineering

C. BSc Mathematics (Hons)

D. MSc Mathematics

II. SCHOOL OF MANAGEMENT

- i. Bachelor of Business Administration (BBA)
 - ii. Bachelor of Commerce (Hons)
 - iii. BSc Economics (Hons)
 - iv. Master of Business Administration (MBA)*
- * Also offered as a 3 year part time course.

III. SCHOOL OF LAW

- i. Bachelor of Business Administration–Bachelor of Laws (BBA-LLB) (Hons)
- ii. Master of Laws (LLM)

IV. PhD in Engineering, Management, Law & Sciences

Working professionals can also pursue MTech degree programmes (part time) of three years (six semesters) duration in the CSE, ECE, ME & CE specializations as per the schedule of class timings offered by the concerned department.

Quality Benchmarks



Awarded No.1 Rank in All India Emerging Universities,
Higher Education Review - April 2015



Established under Haryana Private University (Third amendment) Act No. 25 of 2009, ordinance No. 2 of 2015 dated 22nd July 2015, Legislative Department, Haryana Government



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 Undergraduate Engineering Programmes



Member of Association of Indian Universities



Recognised as the BEST@govcampus



Accredited by Accreditation Services for International Colleges (ASIC), United Kingdom, in the category of 'Premier' Universities



Member of International Students Exchange Programme



Member of the Association of Commonwealth Universities



Institutional Member of American Society for Quality (India)



ISO 9001:2008 Certified



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Where education
bridges the gap
between the classroom
and the real world

THE NORTHCAP UNIVERSITY at a Glance

Nature of University	: Multidisciplinary, co-educational university offering Under Graduate, Post Graduate and Doctoral Programmes in Engineering, Management, Law, Humanities and Applied Sciences
Established	: 1996
By	: Educate India Society as Institute of Technology and Management
Located	: In the industrial heartland of Gurgaon, Haryana (located 5km from Indira Gandhi International Airport, New Delhi)
Campus Address	: Sector 23-A, Gurgaon, Haryana, India, Tel.: +91-124-2365811-13 Email: ncu@ncuindia.edu
Chancellor	: Navdeep K Dewan
Pro-Chancellor	: Prof. Prem Vrat
Pro Vice-Chancellor	: Brig. SK Sharma (Retd).
Registrar	: Col. Bikram Mohanty (Retd.)
Student Population	: Under Graduate: 2938, Post Graduate: 296 Doctorate 133
Gender Profile	: Male - 69%, Female - 31%
Faculty	: 209
Scholarships	: Merit based Scholarships available, covering 100%, 50%, 25% of Tuition Fees
Admission Criteria	: Merit secured in the All India common entrance exams: BTech - JEE Main (Paper-I) 60% weightage 10+2 - 40% weightage (minimum 60% aggregate marks in: Maths, Physics, Chemistry and English) BSc Maths (H), 10+2 (60% marks in best of 4 with Maths & English) BSc Eco (H)*, BCom (H)* - 10+2 (60% marks in best of 4 with Maths) BBA* 10+2 (60% marks in best of 4) <i>*excluding Physical Education</i> MTech - BE/BTech/MCA/MSc with minimum 60% aggregate marks or minimum 6.0 CGPA and GATE qualified MBA - CAT/ MAT/CMAT / NCUMET with 50% marks in aggregate or equivalent CGPA in Graduation BBA-LLB (H) - CLAT/LSAT/AILET / NCULT with 55% marks in 10+2 aggregate and 50% marks in English LLM - Candidate must have passed LLB degree

www.ncuindia.edu





“ *Do not train a child to learn by force or harshness; but direct them to it by what amuses their minds, so that you may be better able to discover with accuracy the peculiar bent of the genius of each.*

- Plato

Academic Advisory Board: External Members



Mr Analjit Singh

Padma Bhushan
Chairman, Vodafone,
Chairman, Max New York
Life Insurance

Mr Analjit Singh is the Founder and Chairman of Max India Limited and its subsidiaries, Max New York Life Insurance Company Limited, Max Healthcare Institute Limited, and Max Bupa Health Insurance Company Limited. He has been the driving force behind the Max India Group's sustained growth and success since the mid-80s. A self-made entrepreneur, Mr Analjit Singh has been leading the charge of reinventing and restructuring the Max India Group with a vision to being among India's most admired companies.

In recognition of his contribution towards building India Inc., he has recently been awarded one of India's highest civilian honours, the Padma Bhushan, by the President of India. As one of India's leading business persons, Mr Analjit Singh is a member of the Prime Minister's Joint Indo-US CEOs' Forum. He is the non-executive Chairman of Vodafone India, and a director on the board of several leading companies such as Dabur India, Tata Global Beverages, Hero MotoCorp, and Sofina NV/SA, Belgium.

Mr Analjit Singh has always taken keen interest in enhancing India's academic excellence. He is currently an Executive Board Member of the Board of Governors, Indian School of Business (ISB), Hyderabad, where he is jointly funding a new campus at Mohali, Punjab, and actively facilitating it as the Chairman, Mohali Campus Advisory Board, ISB. He has recently taken on the role of the Chairman of the Board of Governors, Indian Institute of Technology, Roorkee. In addition, he is the Chairman, Board of Governors, The Doon School, Dehradun. Senator Hillary Clinton, on behalf of the Indian American Center for Political Awareness (IACPA), awarded Mr Analjit Singh for his 'outstanding achievement' in presenting the international community with an understanding of a modern and vibrant India.

Mr Analjit Singh is an alumnus of The Doon School, Dehradun; Shriram College of Commerce, University of Delhi; School of Management and the Graduate School of Management, Boston University, Boston, USA.



Dr Devi Singh

Former Director - IIM,
Lucknow
Vice-Chancellor
JK Lakshmipat University,
Jaipur

In an illustrious career spanning the globe, Dr Devi Singh served as the Director of the Indian Institute of Management (IIM), Lucknow for two terms. It made all-round progress under his leadership. He is currently the Vice-Chancellor of the JK Lakshmipat University, Jaipur. He is a well-known professor in the area of International Finance and Management. He holds a PhD in International Finance from the Indian Institute of Management, Ahmedabad. Before joining IIML, he was Director of the Management Development Institute (MDI), Gurgaon, for four and a half years.

Prior to joining MDI, Dr Singh was a visiting full-time professor at the Faculty of Management, McGill University, Canada, for five years. He has been a Ford Foundation and UNDP Fellow (International Management Education), and a visiting faculty member at the International Centre for Public Enterprises, Slovenia, ESCAP Europe, and SKK Graduate School of Business, Seoul. He is an alumnus Fellow of the Institute of World Affairs, Connecticut. He has taught in leading business schools in India, has published and presented research papers at various national and international conferences, and is the author of three books on finance and management. He has been a consultant to leading public and private sector and multinational organizations in India.

He has been on several policy-level committees of the Government of India, All India Council for Technical Education, PHD Chamber of Commerce and Industry (PHDCCI), Standing Committee on Public Enterprises (SCOPE) and All India Management Association (AIMA). He has been a member of boards/executive councils of the Indian Institute of Management, Kozhikode, Narsee Monjee Institute of Management Studies, Mumbai, Indian Institute of Mass Communication, New Delhi, NITTIE, Mumbai, Ambedkar University, Lucknow, Jamia Millia Islamia University, and two new central universities.

He was President of the Association of Indian Management Schools from 2006 to 2007, and member of the All India Board of Management Studies of AICTE for six years (2000-2006). He has served on many corporate boards, and is on the board of governors of some of the leading public and private sector companies. He has received several awards, including ISTE National Fellow 2007, UP Ratan 2008, and the Ishan National Award for Best Director of a Business School in 1999. He is a member of the MHRD Task Force on Faculty Shortage and Design of Performance Appraisal System, UPSC Committee on Designing Civil Services Aptitude Test, and founding Society for National Board of Accreditation.





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

Mr Mehta's illustrious career began with the Indian Administrative Service (IAS), Government of India, in 1978. In 1980, he joined Phillips Petroleum in the UK. In 1984, he returned to India to join the government company, Oil India, as its Advisor (Strategic Planning).

Mr Mehta joined Shell International in London in 1988. He was posted as the Managing Director for Shell Markets and Chemicals, Egypt, from 1991 to 1993. In 1994, he became the Chairman of the Shell Group of Companies in India.

Mr Mehta is on the boards of Colgate Palmolive India Limited, the Indian Public Schools' Society, the Pandit Deendayal University of Petroleum, and the Fletcher School of Law and Diplomacy, Tufts University, USA. He is a recipient of Asia House's Businessman of the Year 2010 award. Mr Mehta has a BA (Maths Hons) from St. Stephens College, Delhi University, MA (Economics) from Magdalen College, Oxford University, and MA (Energy Eco) from the Fletcher School of Law and Diplomacy, Tufts University. He has since joined the Board of Directors of Mahindra Rise in May 2012.

***Members from varied professional fields
constitute the Academic Advisory Board.
Their inputs help to shape and maintain the
overall academic quality and curriculum
development at the University.***



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

Mr Rajpal brings to the Advisory Board over 35 years of entrepreneurial and multinational work experience covering the United States, Japan, Hong Kong and India. He has been the Chairman, President, and Chief Executive Officer of TransTech Services Partners Inc., since 16 August 2006. He co-founded Tecnova India in September 2001. Mr Rajpal serves as Business Excellence Advisor of Anand Automotive Systems group of companies.

He established Hewlett-Packard India in 1989, and served as its President and Chief Executive Officer from 1989 to 1999. His career with Hewlett-Packard spanned 29 years, during which time he held several senior managerial positions in the United States, Canada, Asia and Latin America.

He co-founded eCapital Solutions in April 1999. Until April 2001, he was President and Chief Executive Officer of Trigyn Technologies Limited. Previously, he also served as President of Tecnova India. In July 2006, he founded Visnova Solutions. He is Chairman of the Board at Visnova Solutions, and the Chairman of GISIL Ltd, and MAHLE Filter Systems India, an Indian subsidiary of the MAHLE Group, Germany. Till 1 October 2007, he was the Chairman of Four Soft Ltd, where he was also the Director from 27 May 2006 to 1 October 2007. He worked as Director of Purolator India Limited until 22 February 2007.

Mr Rajpal has been a Director of TransTech Services Partners Inc. since 16 August 2006, and a Non-Executive Director at Cosmo Films Ltd since 28 May 2010. He is also a Director of Virtualsoft Systems Ltd. He was the recipient of the Entrepreneur of the Year Award from Ernst & Young, India, in 2000. In addition, he has received the US Ambassador's Award for distinguished service in strengthening the relationship between the United States and India, and for extraordinary service to American business in India as President of the American Business Council.

Mr Rajpal is an electrical engineer from the Benaras Hindu University, India, and earned his MBA from York University, Toronto, Canada. He has a degree in Engineering from the Indian Institute of Technology.



Prof. K L Chopra
Padmashree
Former Director,
IIT Kharagpur,
SS Bhatnagar Awardee

A stalwart of the scientific community, Professor Chopra has been recognised as one of the seven 'most highly cited' scientists of India during a period of over two decades. The Institute of Scientific Information (ISI) of USA has conferred the Citation Laureate award on him. Among the numerous other awards he has received are the SS Bhatnagar Prize, CSIR; Krishnan Medal, INSA; Bhabha Award, UGC; Mahalanobis Medal, INSA; Aryabhata Gold Medal, INSA; FICCI Award; Bhasin Award, Bhasin Foundation; Biren Roy Memorial Award; MRSI Distinguished Materials Scientist Award; Indian Vacuum Society Lifetime Achievement Award; Solar Energy Society Photovoltaic Award; and the Distinguished Educator Award of the Indian Society of Mechanical Engineers. Professor Chopra is a Fellow of all the four science and engineering academies of India, and Honorary Fellow, Punjab Science Academy. UP Technical University conferred an Honorary DSC and the Government of India has conferred the Padmashree on Prof. KL Chopra.

Born in West Punjab, now Pakistan, Professor Chopra pursued studies in physics at Delhi University, obtaining BSc (Hons) and MSc degrees, before attending the University of British Columbia, Canada, under a World University Fellowship, to earn a PhD degree. He served in several senior R&D positions for about 14 years: at the Royal Military College, Canada; as Max Planck Fellow at Fritz Haber Institute, W Germany; and as Staff Scientist at Philco-Ford Scientific Lab and Ledgemont Lab, Kenecott Corp., USA. Invited to the position of Senior Professor, Solid State Physics at IIT Delhi in 1971, Professor Chopra also served as the Head, Physics Department, Thin Film and Solid State Technology Cell, and the Centre for Energy Studies. He was the Dean, PG Studies, for two terms, and Founder Dean of Industrial R&D. He has also been a visiting professor at Cornell and Northeastern Universities, USA.

In 1987, he was offered the challenging position of Director, IIT, Kharagpur, which, as a unique case, he served for two terms, reviving the institute to reach the number one position among IITs. His numerous innovations at IIT, such as the creation of a management school named after its donor, Vinod Gupta, an S&T park with faculty-held enterprises, a technology foundation, the Sanyal School of Telecommunications (with donations from an alumnus), an optical cable-wired campus, a multi-crore corpus fund, an E-library, and IIT Extension Centres at Kolkata and Bhubaneswar, have now been emulated by other IITs.



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

Professor Jain was a recipient of the Distinguished Service Award for outstanding contribution in promoting the application of mathematics, by the Indian Society of Information Theory and Application (2002). After his BA (Hons) and MA in Mathematics from the University of Delhi, he was awarded a DPhil degree (1956) by the University of Calcutta. Subsequently, he was selected for a Free Hanseatic City of Hamburg Research Fellowship for advanced study at the Institute of Applied Mathematics, University of Hamburg, Germany (1957-60). He was awarded the DSc degree (1963) by IIT Kharagpur. In 1965, Professor Jain joined as Head of the Department of Mathematics at the newly founded IIT Delhi. He has been a Visiting Professor at the Department of Computer Science, University of Illinois, Urbana, Champaign, USA (1969). In 1984, Professor Jain was appointed Deputy Director of IIT. He was appointed Vice-Chancellor of the APS University, Rewa (MP) in 1989. After retirement in 1992, he joined the Department of Mathematics, University of Mauritius.

At IIT Delhi, Professor Jain initiated both teaching and research programmes in numerical analysis, a newly emerging area in mathematics and computer science. He initiated studies on the effect of cross-viscous forces in certain non-Newtonian liquids in two and three-dimensional flows. He defined the spline in compression and showed that the spline consistency relations are the fundamental equations of discrete mechanics. He has also derived the compact implicit difference schemes for the PDEs with nonlinear first derivative terms. Prof. Jain has published more than 125 research papers and written a book, Numerical Solution of Differential Equations (John Wiley, Halsted Press, New York, 1979). He has guided 35 students for their PhD degrees.

Professor Jain's other contributions include the development of personnel policy, the management of central facilities, and academic policymaking at universities and the Institute of Technology as a member of expert committees. Professor Jain has been Secretary-Treasurer of the Indian Society of Theoretical and Applied Mechanics (ISTAM), and was elected its President in 1976. He was on the editorial board of the Journal of Mathematical and Physical Sciences.



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

An esteemed scientist in his own right, Prof. Hasan is well known in India and abroad for his distinguished academic and research work in astrophysics. He began his education at Mayo College, Ajmer. After obtaining his MSc in Physics in 1972 from Delhi University, he went on to New College at the University of Oxford, UK, for a doctorate in astrophysics, which he received in 1977. The acclaimed theoretical physicist D. ter Haar guided his research work at Oxford. In 1977, Prof. Hasan joined the Indian Institute of Astrophysics, Bangalore, first as a Visiting Fellow, and then as a permanent staff member. In 2006, he took over as Director of the Institute. As a member of the Institute, he headed the Board of Graduate Studies and chaired the Solar Physics Group for several years. Prof. Hasan has held visiting faculty positions in many premier international institutions, such as the Universities of Harvard, Oxford and London. As Director, Professor Hasan has initiated several major programmes, noteworthy among them being a state-of-the-art National Large Solar Telescope.



Prof. RC Budhani
Professor, IIT Kanpur,
Former Director
National Physical Laboratory,
New Delhi

Distinguished researcher, Prof. Budhani is an experimental low temperature physicist, with an interest in the areas of superconductivity and magnetism in low-dimensional systems. Born in a picturesque village of the Kumaon Himalayas, he received his MSc degree in Physics from Allahabad University and PhD in Condensed Matter Physics from the Indian Institute of Technology, Delhi. He was a research scientist at the University of California, Los Angeles, during the period 1984 to 1987, and a staff scientist at Brookhaven National Laboratory, New York (1988-1994). Prof. Budhani has also been a visiting professor at the Center for Superconductivity Research, University of Maryland, and a Guest Scientist at CRISMAT Laboratory, Caen, France, and Brookhaven Lab, USA, after joining IIT Kanpur in 1994. He is a Fellow of the American Physical Society, the Indian National Science Academy, the Indian Academy of Sciences, and the National Academy of Sciences, India.

Eminent members of the Academic Advisory Board carry with them a breadth of knowledge, years of relevant experience and expertise in their fields.



*More than ever before,
we must be ready to think
every problem afresh,
to change and innovate ...*

JRD Tata



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

Prof. Ranbir Singh, the former Founder-Director / Vice-Chancellor of the National Academy of Legal Studies and Research (NALSAR), University of Law, Hyderabad, was at its helm since its inception in 1998. Professor Singh's refined administrative capabilities and untiring efforts took NALSAR to the summit of legal education in the country, and gave it recognition in the international arena. Professor Singh has had a long association with Kurukshetra University—first as a student, a PhD scholar, and then as a faculty member in the Department of Law. In 1978, he moved to Mahatma Dayanand University at Rohtak as part of the founding faculty, and continued till 1998 in various capacities as Professor, Head, Dean and Proctor. On invitation from the National Law School of India University, Bangalore, he served as Professor of Law from 1996 to 1997. He is currently serving as the Vice-Chancellor of the prestigious National Law University, New Delhi.

He supports synergy between the law universities, and gave a major boost in this direction by signing an MoU with ITM University now THE NORTHCAP UNIVERSITY.



Prof. SK Kak
 Founder Vice Chancellor,
 Mahamaya Technical
 University, Noida

Prof. SK Kak is the Founder Vice-Chancellor of Mahamaya Technical University (MTU) Noida. He holds a BSc in Electrical Engineering and MTech in Microwave Engineering from IT Banaras Hindu University (BHU) Varanasi. He received a PhD in Digital Communication from BHU, Varanasi. He was Professor, Electronics, Institute of Technology, BHU and Vice-Chancellor of Chaudhary Charan Singh University, Meerut, UP, from 2008. He has over 40 years of experience in research in Communication Engineering and Systems, Optical and Fibre Optic Communication, Data Networks, Signal Processing, AI Engineering and Expert Systems, and industrial, administrative and consultancy experience with several national and international organizations. He has delivered more than 100 guest talks, lectures, keynote addresses and radio talks to Indian Space Research Organisation (ISRO), Defence Research Development Organisation (DRDO), Industrial Training Institute (ITI), Subsystem Capability Impact Reporting (SCIR), American Society of Cinematographers (ASC) and other organizations of scientists and engineers.



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

Multi-award-winning scientist, Prof. SK Joshi studied at Allahabad University, from where he did his PhD in Physics in 1962. His broad field of research interest is Condensed Matter Theory. Earlier, he had worked on Collision Processes in Atomic and Molecular Systems. Prof. Joshi was Professor of Physics at the University of Roorkee (Now IIT Roorkee) from 1967 till 1986. He was the Director of the National Physical Laboratory from 1986 to 1991. He held the position of Director General, CSIR, from 1991 till 1995. He was elected Fellow of the Indian National Science Academy in 1974. He was Secretary of the Academy from 1983 to 1986, and Foreign Secretary from 1989 to 1992. He was the President of the INSA from 1993 till 1995. He has been a Fellow of the Indian Academy of Sciences since 1974, and was Vice-President from 1989 to 1991. He is a Fellow of the National Academy of Sciences, and was its President from 2001 to 2002.

Prof. Joshi was President of the Indian Physics Association from 1989 to 1990, President of the Materials Research Society of India from 1995 to 1997, and President of the Indian Science Congress Association from 1996 to 1997. Dr Joshi is a Fellow of the Third World Academy of Sciences, and a Foreign Member of the Russian Academy of Sciences. He won the Watumull Memorial Prize for 1965, Shanti Swarup Prize for Physical Sciences for 1972, CSIR Silver Jubilee Award 1973, and Meghnad Saha Award for Research in Theoretical Sciences in 1974. He received the FICCI Award in Physical Sciences for 1990, and the Goyal Prize in Physics from the Goyal Foundation in 1993.

He received the CV Raman Medal of INSA in 1999. He was awarded a Padma Shri in 1991 and a Padma Bhushan in 2003. He received a DSc (honoris causa) from Kumaon University in 1994, Kanpur University in 1995, Banaras Hindu University in 1996, University of Burdwan in 2005, and Bhimrao Ambedkar University (Agra University) in 2008. Prof. Joshi's major research contributions span over a wide variety of topics in Solid State Theory. His early researches were concerned mainly with theoretical study of phonons in metals and insulators. Prof. Joshi studied electronic states in disordered systems, and electron correlations in narrow band solids. He also worked on surface states and surface segregation.

His current research interest lies in strongly correlated electron systems like high temperature superconductors. He is also working in nanoscience, especially electron transport in quantum dots and nanotubes. Prof. Joshi has supervised the PhD theses of 20 scholars, and has published more than 190 research papers.





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

Prof. Ajaib Singh Brar, a Professor of Chemistry and Joint Professor, Centre for Polymer Science and Engineering at the Indian Institute of Technology, Delhi, has vast experience of more than 35 years of working in the field of education and research at prestigious institutes both within the country and overseas in various capacities. Professor Brar did his BSc from Faridkot, Punjab, and MSc from Punjabi University, Patiala. He did his PhD from the Indian Institute of Technology, Delhi, and got a UNESCO fellowship in 1974. Professor Brar has worked in the field of catalysis, Mossbauer spectroscopy, and photochemistry, and currently works in the field of NMR spectroscopy of polymers.

He has published more than 210 papers in refereed international and national journals, and 50 papers in the proceedings of conferences and symposia. He was a visiting faculty member at Rheinisch-Westfaelische Technische Hochschule (RWTH), Aachen, in June and July 2005 and 2006. Professor Brar has guided about 32 PhD students and 20 MTech students.

Professor Brar was Chairman GATE (Graduate Aptitude Test for Engineering) in 2002 and 2004, and Joint Management Entrance Test (JMET) in 2002 and 2004. He was Head of the Department of Chemistry, IIT Delhi. Professor Brar was awarded the Outstanding Research Award, IIT Delhi, in 1994. He is a Fellow of the National Academy of Sciences and Punjab Academy of Sciences. Professor Brar was appointed Vice-Chancellor, University of Lucknow, on 6 January 2008.

Prof. Brar was awarded the prestigious UP Ratan award by the All India Conference of Intellectuals in 2008, and was awarded the Saraswati Samman in 2009 in recognition of his services to the field of education. Professor Brar is a member of the Society, Indian Institute of Management, Lucknow, the body which governs IIM Lucknow.

He is currently Vice-Chancellor of Guru Nanak Dev University, Amritsar. He joined the University on 15 July 2009.



Prof. Pradeep Kumar
Former Vice-Chancellor
Delhi Technological
University, Delhi

Prof. Pradeep Kumar, is the former Vice-Chancellor of Delhi Technological University, Delhi. He holds his BE, ME (Gold Medallist), PhD in Manufacturing and Production Engineering from the University of Roorkee (Now IIT Roorkee). He received the Outstanding Teacher Award from IIT Roorkee in 2005 and 2009.

Prof. Pradeep Kumar has more than 25 years of experience in teaching, research, and consultancy at IIT Roorkee, West Virginia University U.S.A, Wayne State University U.S.A, AIT Bangkok. He has taught a wide spectrum of courses related to Industrial Engineering and Production Engineering. He is a fellow of World Confederation of Productivity Sciences, Canada. Prof. Pradeep Kumar has been Dean, Finance & Planning; Head, Department of Mechanical & Industrial Engineering; Chairman, Joint Entrance Examination (JEE); Chairman, Graduate Aptitude Test in Engineering (GATE) and many other responsibilities both at Department as well as Institute level.



Mr Satish Kaura
Padmashree
Chairman
Samtel Group

Prominent industrialist, Mr Satish K Kaura is the Chairman and Managing Director of Samcor Glass Ltd. He has been Chairman and Managing Director of Samtel Color Ltd since 12 February 2000, and is its Promoter. From 11 November 2006, he has been Managing Director of Samtel India Ltd, and Managing Director of Samcor Glass Ltd. Mr Kaura is the Chairman of the Confederation of Indian Industry's Industrial Policy Committee and Co-Chairman of CII National Committee on Defence and Aerospace. Being an industrialist, he served as President of the Electronic Components Industries Association, and has also been Chairman of the CII (Northern Region).

Mr Kaura was an Independent Director of SRF Ltd until 5 September 2011. His concern for the environment was recognised by the Care for Nature Award presented by HRH Prince Philip, then International President, WWF, at the National Conservation Congress, Delhi, in 1994. He has been recognized and honoured by various organizations. He has done his Bachelor of Engineering from IIT Kanpur and holds a Master's in Electronics from Carleton University, Canada. He was conferred the Padmashree by the Government of India in 2004.

Industry leaders and heads of India's leading educational and legal institutions guide NCU's formation of curriculum and envision future disciplines of interest.



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

Mr Ajai Chowdhry has a Bachelor's degree in Electronics and Communication Engineering, and has attended the Executive Programme at the School of Business Administration at the University of Michigan, USA. As a co-founder of HCL, he began an exciting journey with a dream to give India its very own microcomputer. The sheer clarity of vision and hard work led to a revolution, laying the foundation for the Indian IT industry, and taking India to the league of major economies of the world. Mr Chowdhry led the foundation of HCL's overseas operations, starting with Singapore in the 1980s, to other Southeast Asian markets, including Malaysia, Thailand, Hong Kong, Indonesia, and China. HCL, India's original IT garage start-up founded in 1976, is today a US\$6bn global enterprise, and Mr Chowdhry has been a key force in driving its growth. Among his many other interests, Mr Chowdhry is also the former Chairman of the Board of Governors, IIT Hyderabad.



Dr PS Rana
Chairman & MD,
Pathera Developers &
Former Chairman & MD,
HUDCO

As the Chairman and Managing Director of the Housing and Urban Development Corporation Limited (HUDCO), Dr Rana was instrumental in promoting mass housing urbanization. During his tenure, he pioneered Infrastructure Finance, and financed its first ever private airport, as well as the Sabarmati and Yamuna river-front projects, valued at \$10 billion. He has played a key role in the National Urban Transport Policy, the National Housing Policy, and various state-level policies. Dr Rana holds a degree in civil engineering from IIT Delhi, followed by a diploma in Town and Country Planning from School of Planning and Architecture, Delhi. He has a doctorate in Transport Engineering and Management from the University of Newcastle-upon-Tyne, UK.



Dr Krishan Kumar
Executive Advisor,
Maruti Automotive Centre
for Excellence

Dr Krishan Kumar started his career in Maruti Suzuki India Limited in 1985 as Senior Deputy General Manager, responsible for the setting up of six joint-venture companies. He was appointed Chief General Manager (Engineering and Quality Assurance) in 1990. He worked as a director for the period 1992 to 2003, and as an advisor from 2003 to 2007. Prior to joining Maruti Suzuki, Dr Kumar worked in the Indian Railways in many senior positions (1962–1985). As General Manager of the engineering division, Maruti Suzuki, Dr Kumar established the quality systems in line with international requirements, as a result of which Maruti Suzuki could export their vehicles. He is now serving as an Executive Advisor to the Maruti Automotive Centre of Excellence.

Dr Kumar observed that, being so advantageously located in an industrial hub adjacent to an automobile leader, Maruti Udyog Ltd, ITM University could commence with a Centre of Excellence in the Mechanical Engineering Department for Lean Manufacturing.





Prof. Karmeshu
Prof & Dean,
School of Computer
& Systems Sciences,
JNU, New Delhi
SS Bhatnagar Awardee

Professor Karmeshu, winner of the Shanti Swarup Bhatnagar Award in 1993, and the CM Jacob Medal in 1990, has been working as a professor in the School of Computer and Systems Sciences in JNU, New Delhi, since April 1986. He was Dean from September 1987 to September 1989. He also worked as a Senior Professor in the Indian Agricultural Statistics Research Institute, New Delhi (March 1985 to April 1986).



**Hon'ble Justice
M Karpaga Vinayagam**
Former Chairperson-Appellate
Tribunal for Electricity

In 1972, Justice Vinayagam enrolled as an advocate in the Bar Council of Tamil Nadu. In 1984, he set up his own office and soon had a flourishing legal practice. As a lawyer, he was appreciated and complimented in several judgments for his keen sense of law and legal procedure by eminent judges of the Madras High Court. In 1996, he was elevated to the position of a judge in the High Court of Judicature at Madras. His tenure as judge, too, was notable for the several landmark judgments given by him. In 2006, he was elevated to Chief Justice of the Jharkhand High Court. Justice Vinayagam retired as Chief Justice on 15 May 2008, and thereafter practised in the Supreme Court as a senior advocate. Accepting the Chief Justice's recommendation, the central government appointed him to the position of Chairperson of the Appellate Tribunal for Electricity on 14 November 2008.



Dr Girdhar J Gyani
Director General,
Association of
Healthcare Providers
(India)

Dr Gyani has nearly 40 years of service in teaching, research and quality management. He was elected Director at the International Accreditation Forum (IAF) representing Low and Medium Income Economies. He is a senior member of the American Society of Quality (ASQ); Member, Institute of Quality Assurance UK; Member, All India Management Association; Life Member, Computer Society of India; Life Member, HRD Network Forum; and Fellow, Institute of Engineers (India). The 16th Lal C Verman Award for the year 2002 was conferred on Dr Gyani in recognition of his distinguished contributions in the field of standardization and quality control. Dr Gyani is a recipient of the Rotary Centenary Award for the year 2004 for Excellence in the field of Quality. He was the Secretary General—Quality Council of India, New Delhi.



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

A 1966 alumnus of BE College, Shibpur, West Bengal, Professor Datta completed his PhD from IIT Bombay in 1973. He joined IIT Delhi as a lecturer in the Department of Civil Engineering in November 1975. His research interests are in Structural Dynamics, covering wide-ranging fields like Earthquake Engineering, Wind Engineering, Offshore Dynamics, Structural Control and Stability of Dynamic Systems. He has been closely associated with the earthquake engineering initiatives in the country that were taken up after the Latur earthquake. During his teaching and research career, he is credited with guiding 30 PhD theses, publication of more than 100 papers in international journals and a nearly equal number of papers in conference proceedings. In recognition of his work at Tribhuvan University, Nepal, he has been honoured with an adjunct professorship at the University.





Mr Vishnu R Dusad
CEO & MD,
Nucleus Software
Exports Ltd, Noida

Mr Vishnu R Dusad is one of the founders of Nucleus Software Exports Ltd. Mr Dusad completed his BTech from IIT Delhi, and has been associated with the development of the software industry in India since 1983 as an entrepreneur. He was appointed Managing Director of the company in January 1997. Mr Dusad has enriched Nucleus with his technology background and valuable professional experience in Information Technology solutions for the BFSI sector. His success in concluding business deals for implementing Nucleus products globally owes much to a deep sensitivity to cross-cultural nuances. His experience encompasses areas of software development, creation of strategic alliances, business development, and strategic planning.



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

Mr Indu Bhaskar did his BTech in Mechanical Engineering from GB Pant University, and Masters in Industrial Engineering from Indian Institute of Technology, Delhi. After working for few years in the industry he moved to the Ministry of Science and Technology, Government of India, New Delhi and since then he has handled various projects in the Ministry related to development of import substitution of technologies, products and processes, foreign collaboration approvals and foreign collaboration agreements, handling of fiscal incentive schemes of Government of India. At present he is Scientist F, Head of the Department and Chief Vigilance Officer of Department of Scientific & Industrial Research, Ministry of Science & Technology, Government of India.



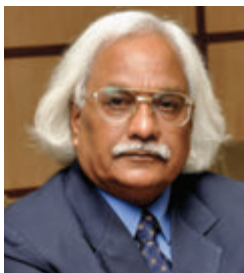
Prof. SG Deshmukh
Director
ABV IITM, Gwalior

Prof. Deshmukh earned his BTech, MTech and PhD from IIT Bombay. He has more than two decades of teaching, research and consultancy experience. He has been a faculty member at IIT Delhi and at IIT Bombay, and has conducted several sponsored projects funded by agencies such as the Department of Information Technology, and the Department of Science and Technology. He has been a consultant to many organizations, including Bharti Telecom, ACC, Nucleus Software, IOC (Indian Oil Corporation), India Today Group, World Bank, and WHO. He has more than 250 publications to his credit, including publications in international journals with high impact factors, such as Omega, Journal of the Operational Research Society, International Journal of Production Economics, Computers and Industrial Engineering, among others. He has been active in developing web-based pedagogy and resource material, and was responsible for developing modules under the National Programme on Technology Enhanced Learning (NPTEL), funded by the Ministry of Human Resource Development. Prof. SG Deshmukh is affiliated to Indian Institution of Industrial Engineering (IIIE), Indian School of Management and Engineering (ISME), Production and Operation Management Society (POMS), Archaeological Survey of India (ASI), National Centre for Quality Management (NCQM), and other professional societies.



Prof. MS Sodha
Padmashree
Former Vice-Chancellor,
Barkatulla, Bhopal, Indore
and Lucknow Universities
SS Bhatnagar Awardee

Awarded the Padmashree in 2003 for his outstanding contributions to science and engineering, Professor Mahendra Singh Sodha completed his higher education at Allahabad University, obtaining a D Phil in 1955. From 1956 to 1964, he worked in Canada and USA in different capacities. He joined as a professor in the Physics Department at IIT Delhi, in 1964. He has made outstanding contributions in the area of Energy, Fusion Plasma, Solid State Physics, Optics, Combustion and Ballistics. He has also been the Vice-Chancellor of Devi Abilya Vishwavidyalaya, Indore, as well as of Lucknow University, and of Barkatullah University, Bhopal. Professor Sodha was also awarded the prestigious SS Bhatnagar Award in 1974, and Hari Om Ashram Perit Shri SS Bhatnagar Award in 1978.



Prof. PB Sharma
Vice-Chancellor
Amity University, Gurgaon

A multifaceted leader, distinguished academician and administrator, Professor PB Sharma is the Founder Vice-Chancellor of Delhi Technological University. A former professor of IIT Delhi, Founder Vice-Chancellor of Rajiv Gandhi Technology University, former President of Engineering Science Division of Indian Science Congress, former Chairman of Indian Society of Mechanical Engineers, and Vice-Chairman of the World Confederation of Productivity Sciences, India Section, Professor PB Sharma has contributed immensely in the areas of Aero-Engineering Technology, Power Plant Engineering, New and Renewable Energy Resources, and Knowledge and Innovation Management. Professor Sharma is a Fellow of the World Academy of Productivity Sciences, Fellow of the Institution of Engineers (India), Fellow of the Aeronautics Society of India, and also a Fellow of ISTE. He is a crusader for synergy between science and engineering. Currently he is the Vice-Chancellor of Amity University, Gurgaon.



Dr Krishan Lal
DST Ramanna Fellow
& Former Director,
NPL, New Delhi

Dr Krishan Lal, a highly regarded researcher, is a PhD in Solid State Physics. He is also President, Indian National Science Academy, New Delhi. His research specialization is in Solid State Physics, Materials Characterization, Crystal Growth and Lattice Imperfections, High Resolution X-ray Diffraction, Instrumentation, Quality Management, Certified Reference Materials and Data for Materials. Dr Lal's research work on Lattice Imperfections in Crystals, X-ray Diffraction Physics, and Crystal Growth led to a deeper understanding of the nature of real materials and their interaction with radiation and external fields. During Dr Lal's Directorship, NPL showed an impressive enhancement in R&D output, remarkably improved IPR protection, and constituent increase in calibration services and in resource generation.



Prof. Kehar Singh
Ex-Dean & Emeritus Fellow,
IIT Delhi
SS Bhatnagar Awardee

Distinguished scientist, Professor Kehar Singh has served as a member of the faculty at IIT Delhi since 1965, in various capacities. He was an academic visitor at the Imperial College of Science and Technology, London, from 1969 to 1970. He was a Professor from January 1984, and during the period 1996 to 1999, served as Head of the Department of Physics. Professor Singh held the position of Dean, PG Studies and Research, IIT Delhi, during the period March 2001 to August 2003. He served as Cluster Chair at the Swiss Federal Institute of Technology, Lausanne (Switzerland) in 2002. Until June 2011, he served as an Emeritus Fellow at IIT Delhi, where he continued to teach and carry out research. Prof. Kehar Singh has recently been appointed as a member of the 'Cluster Advisory Committee' for a group of DRDO Laboratories.

The Academic Advisory Board members are some of the best minds from the corporate and academic worlds.



Mr Mangu Singh
Managing Director,
DMRC, New Delhi

Mr Mangu Singh is one of India's most successful engineering leaders. He did his IIT (Civil Engineering) from Roorkee University. He has led with success the Delhi Metro Rail Service (DMRC) since the beginning of its first phase, and has set standards which are a challenge to emulate. He also played an important role in the construction of the Kolkata metro, and in the planning of Mumbai, Chennai, Hyderabad, Kolkata and Kochi metros.



Mr Bunty Peerbhoy
Director,
MAA Group Holdings

Bunty Peerbhoy is a second-generation advertising man and one of India's leading advertising professionals today. With over 40 years of experience behind him, Mr Peerbhoy has pioneered the concept of integrated communications in advertising in India. As Chairman of the MAA Group, he has spearheaded the company into the future. An entrepreneur at heart, Mr Peerbhoy actively seeks to feel the pulse of the future to continuously reinvent the MAA Group and to ensure its position as a cutting edge group of companies that defines its time.

Top of the League



THE NORTHCAP UNIVERSITY (formerly ITM University, Gurgaon) 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 NORTHCAP UNIVERSITY (formerly ITM University, Gurgaon) was recognised as one of the Top 10 Most Promising Educational Institutes in Delhi / NCR 2015 by Higher Education Review, September 2015.
- The University was adjudged the Best Private University in Haryana out of 17 private universities of the State in the Annual Survey conducted by Dialogue India, a Delhi based publication, in their special issue of July 2015.
- The University has been ranked as the Top Private University in Haryana and one of the Top Emerging Universities of Eminence in India, in the ranking by Competition Success Review, July 2015 issue.
- In Outlook Best Professional Colleges 2015 Survey published in the Special Issue of Outlook news magazine, July 2015, THE NORTHCAP UNIVERSITY (formerly ITM University, Gurgaon) was ranked No. 56 among all Engineering Colleges in India, including IITs and NITs.
- Chronicle All India Engineering Colleges Directory 2015-16 ranked NCU in A++ category and amongst the 10 Top Colleges in terms of Infrastructure.
- EDU Tech in collaboration with RAND, a premier ranking agency in USA, has ranked

THE NORTHCAP UNIVERSITY (formerly ITM University, Gurgaon) as a Top Engineering College in Haryana, in their June 2015 issue.

- The University was ranked in A5 category by All India Management Association (AIMA) in their Business Standard Best B-School Survey 2015 and published in the Special Issue of Indian Management, June 2015.
- Education World in their May 2015 edition ranked THE NORTHCAP UNIVERSITY (formerly ITM University, Gurgaon) amongst the 50 Best Private Universities in India.
- THE NORTHCAP UNIVERSITY (formerly ITM University, Gurgaon) is Ranked No. 1 University among Top Emerging Universities in India, in a survey by Higher Education Review, April 2015. The University has been specially commended for specializing in the fields of Technology, Management and Sciences.
- NCU's School of Management has been ranked No. 3 amongst The Private B-Schools in Haryana and No. 20 amongst Top B-Schools of Eminence in India, in Competition Success Review (CSR) GHRDC Survey -November 2015.
- THE NORTHCAP UNIVERSITY (formerly ITM University, Gurgaon) was the First University of Haryana to get ASIC Accreditation of UK.
- The University has received NBA Accreditation for two years for all six Undergraduate Engineering programmes.
- THE NORTHCAP UNIVERSITY (formerly ITM University, Gurgaon) School of Law has received approval from the Bar Council of India (BCI) for a period of three years, up to academic year 2016-17.

TOP EMERGING UNIVERSITIES IN INDIA

HIGHER EDUCATION REVIEW, APRIL 2015



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*If you want to shine like the sun,
then burn like the sun.*

Dr APJ Abdul Kalam

ANNUAL OUTLOOK SURVEY

Rankings of India's Top 100 Engineering Colleges
Published in OUTLOOK NEWS MAGAZINE, July 2015

BEST PROFESSIONAL COLLEGES 2015

INDIA'S TOP PROFESSIONAL ENGINEERING COLLEGES

Rank	College Name	Score	Rank	College Name	Score
1	Indian Institute of Technology (IIT) Bombay	95.0	51	Indian Institute of Technology (IIT) Kharagpur	75.0
2	Indian Institute of Technology (IIT) Delhi	94.0	52	Indian Institute of Technology (IIT) Madras	74.0
3	Indian Institute of Technology (IIT) Kanpur	93.0	53	Indian Institute of Technology (IIT) Roorkee	73.0
4	Indian Institute of Technology (IIT) Guwahati	92.0	54	Indian Institute of Technology (IIT) Varanasi	72.0
5	Indian Institute of Technology (IIT) Hyderabad	91.0	55	Indian Institute of Technology (IIT) Jodhpur	71.0
6	Indian Institute of Technology (IIT) Patna	90.0	56	Indian Institute of Technology (IIT) Gandhinagar	70.0
7	Indian Institute of Technology (IIT) Bhubaneswar	89.0	57	Indian Institute of Technology (IIT) Durgam Cheruvu	69.0
8	Indian Institute of Technology (IIT) Thiruvananthapuram	88.0	58	Indian Institute of Technology (IIT) Tirupur	68.0
9	Indian Institute of Technology (IIT) Palakkad	87.0	59	Indian Institute of Technology (IIT) Kottam	67.0
10	Indian Institute of Technology (IIT) Kharagpur	86.0	60	Indian Institute of Technology (IIT) Kharagpur	66.0

NCU
THE NORTHCAP UNIVERSITY
(FORMERLY ITM UNIVERSITY, GURGAON)

EducationWorld
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Pedagogy systems and processes

Ranked No.10
Placement in India

Ranked No.48
India's Top Private Universities

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NCU
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(FORMERLY ITM UNIVERSITY, GURGAON)

EDU RAND
Engineering College Rankings 2015

BEST PRIVATE UNIVERSITY IN HARYANA

TOP ENGINEERING COLLEGES IN HARYANA

1. Indian Institute of Technology, Rohtak	Rohtak, Haryana
2. National Institute of Technology, Kurukshetra	Kurukshetra, Haryana
3. ITM University, Gurgaon (now NCU)	Gurgaon, Haryana
4. Jaypee College of Engineering	Gurgaon, Haryana
5. YMCA University of Science & Technology	Faridkot, Haryana
6. Amal Institute of Technology	Gurgaon, Haryana
7. Sans Jambhwal University of Science & Technology	Hissar, Haryana

EDU RAND Engineering Colleges Survey 2015
www.http://openrankings.digit.in/india-engineering-colleges

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International Alliances and Linkages

Besides obtaining recognition by accrediting agencies and statutory associations, 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. The University is committed to providing students and faculty a unique life changing experience that will help them remain competitive and relevant to society. Our endeavour in this direction has resulted in successfully forging progressive alliances with premier institutions round the globe, a brief of which is presented in the succeeding paragraphs.



ITB Ireland: The University has an effective MoU 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 semester abroad programme, continues and the feedback received from the students, on the institution and the exposure is indeed very positive. Various collaborative schemes for UG and PG students have accordingly been rolled out. Both institutions signed an ongoing MoU for further 3 years in the august presence of Mr. Ciaran Cannon T.D, Ireland's Minister for Education and Skills and the Ambassador of Ireland in India.



University of Warwick: A visit by Professor Neil Storey, the erstwhile Director International Recruitment, School of Engineering, University of Warwick, UK, initiated the cooperation between the two universities. Taking the deliberations forward, an agreement was signed in 2012 for a period of three years. The collaboration focuses on the academic mobility of students, joint guidance for PhD students, and research cooperation between the two universities. Our University showed interest in research in the area of Fluid Dynamics, Sustainable Energy Engineering Design, Structures and Materials and Systems, Measurements and Modelling. A number of schemes have been jointly worked out for one or two years study abroad. Fees and other expenses have been specified and uploaded on the website for the students to exercise their choice.



University of Chester: An MoU with the University of Chester, UK, was signed in 2012, following the visit of Professor Phillip Harris, Executive Dean (Faculty of Business Enterprise and Lifelong Learning). 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. It is a university which squarely meets our requirement for students' academic mobility and research cooperation. Taking it forward, the School of Management has worked out schemes of a semester or year abroad in UG and PG studies. The course structures of both the universities have been mapped, and areas of students' mobility identified.



Law Professors and students from Erasmus University, Rotterdam, Holland at NCU

“It is not in the stars to hold
our destiny but in ourselves.

William Shakespeare



Ms Mairi Macintyre, University of Warwick (UK) interacting with BTEch students



Chartered Institute of Arbitrators (India): An MoU was signed with the Chartered Institute of Arbitrators (India) branch of CIArb, UK, a non-profit organization which focuses exclusively on creating awareness on arbitration as an effective means to settle disputes, and runs programmes and courses on arbitration in India. Students from the School of Law would benefit a great deal by this tie-up. 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.



n+i: A delegation of French engineering institutes visited the University in 2012, and signed an MoU on long-term academic and research cooperation as well as student exchange programmes, specifically at the post-graduation level. The n+i engineering network, which is a consortium of over 70 French Grandes Ecoles (elite engineering institutes), is the largest network in France.



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 ITM University are entitled to apply.



American Society of Quality (ASQ) India Ltd: A students' chapter was established with The American Society of Quality (ASQ) India Ltd to provide a certificate programme for students. A Management Development Programme (MDP) for executives, to certify trainers and develop PG Diploma programmes in 'Total Quality Management' (TQM) is in place. The scope has been further enhanced, as the student led society has been outperforming by participating and organizing ASQ international events at the University. We are the first university in India to be selected by ASQ to sign an MoU and form a thriving Students' Chapter.



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.



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.



The French Universities network, 'n+i' Engineering, organized an education seminar at the University



Visit of American Society of Quality team to GMR, Delhi Airport



Mr Andrew Baines, the Global Managing Director ASQ with Prof. Prem Vrat



National Board of Accreditation (NBA): The University has been granted a two-year accreditation for BTech programmes in Electronics & Communication Engineering, Information Technology, Computer Science & Engineering, Mechanical Engineering and Civil Engineering.



Power Grid Corporation of India Ltd: An MoU for academic collaboration with Power Grid Corporation of India, Gurgaon, a Navratna Public Sector Enterprise and one of the largest transmission lines utilities in the world is in place since December 2013. The collaboration benefits our students in internship and includes management development, research and training programmes. As regards Power Grid, we will organize executive education programmes, conduct and document case studies, organizational and development training programmes.



Visit of team from Chaoyang University of Technology, Taiwan

To accelerate research, innovation, quality of teaching - learning and the student experience, we have collaborated with other universities and communities throughout the world.



Signing of MoU between NCU and Power Grid, Govt. of India



Prof. Prem Vrat exchanging MoU with Dr Mary Meaney in presence of the visiting Minister from Ireland, Mr Ciaran Cannon

Academic Leadership

THE NORTHCAP UNIVERSITY is an active university campus with a thriving faculty and student community; an institution that creates a wealth of knowledge and expertise for the progress of commerce and industry and for the welfare of our community at large. It consistently delivers on high-quality education to its students in the area chosen. Latest technologies are employed for effective delivery and practice orientation is emphasized in its entire curriculum. Our endeavour is to bring together diverse fields and utilize the synergies within the various course streams in response to the growing need of skills and create the next generation of professionals.

The University constantly strives to reinvent itself to stay ahead of the curve. It continues with the practice of introducing industry-validated programmes and to align academia with the industry. The University is situated right in the heart of the industrial hub of the city which gives students easy access to corporate internships, interactions and interesting job opportunities.

The world today is inter-connected as never before and quality education is imperative. To this end we have established and continue to maintain partnerships with universities and organizations that are beacons of good practice. Our University is committed to making the students' educational experience multifaceted and holistic, an education system that is industry-relevant and entrepreneurship-oriented but above all ensures that our students are good human beings, responsible citizens, who work for the betterment of society.



Faculty members are the most important touch points of students and a faculty-student bond is crucial in their learning and development and good academic performance. The role of the faculty at THE NORTHCAP UNIVERSITY, besides being instructional and evaluative is also supportive, appreciative and developmental.



Prof. Prem Vrat
PhD, IIT Delhi
MTech, IIT Kharagpur
FNAE, FNASc,
FWAPS, FISTE, FIIE
**Pro-Chancellor, Professor of
Eminence & Chief Mentor**

An outstanding academic, Prof. Prem Vrat, is the Pro-Chancellor, Professor of Eminence and Chief Mentor at THE NORTHCAP UNIVERSITY (formerly ITM University, Gurgaon). Just prior to joining NCU as the Vice-Chancellor, in September 2011, he was Professor of Eminence at the Management Development Institute (MDI), Gurgaon. Prof. Vrat was Founder-Director, IIT Roorkee; Vice-Chancellor, U.P. Technical University, Lucknow; Professor, Dean, Dy. Director and Director-in-charge, IIT Delhi; Professor and Division Chairman of Asian Institute of Technology, Bangkok. He is an Honorary Professor at IIT Delhi and Distinguished Adjunct Professor at AIT, Bangkok. Prof. Prem Vrat was also an Honorary Research Fellow at the Department of Engineering Production, University of Birmingham (U.K.) and as an International Visiting Fellow at University of Western Sydney, Australia. He has extensive experience of more than 47 years in teaching, research, management development and consultancy.

He has guided 38 PhD theses, 118 MTech and 65 BTech major projects on Industrial Application of Systems Approach and Management Science. He has published more than 436 research papers in reputed journals and proceedings of international and national conferences. His research papers have received more than 4200 citations with g-index of 63 and maximum citation of a paper as 595. He has authored/co-authored seven books and completed five sponsored projects and 33 consultancy assignments. His book, 'Productivity Management: A Systems Approach' received awards from DMA as well as ISTD. Springer has published his book, 'Materials Management: An Integrated Systems Approach' under Springer Text Books in Business and Economics and is available both in print and e-book version, worldwide.

Prof. Prem Vrat is a Fellow of the Indian National Academy of Engineering, National Academy of Sciences, World Academy of Productivity Sciences, ISTE and IIIE. Recipient of multiple awards and recognitions, Professor Vrat was conferred Doctor of Engineering (Honoris Causa) by Bundelkhand University; Distinguished Alumnus Award by IIT Kharagpur; Distinguished Service Award by IIT Delhi; Outstanding Contribution Award for National Development by IIT Delhi Alumni Association; Uttaranchal Ratan Award, Lillian Gilbreth Award; 13 Best Paper medals and prizes. Prof. Prem Vrat was honoured with the National Systems Gold Medal by the Systems Society of India (SSI), the highest award conferred by the Society on distinguished scientists and Honorary Member of IIIE, the highest recognition by IIIE. He was conferred the 'Life Time Achievement Award' at the 18th Annual International Conference of the Society of Operations Management at IIT Roorkee in December 2014. SAE India Foundation bestowed on him the 'Guru' award in August 2015 for his outstanding contribution in SAE activities.

Prof. Vrat has been on the Board of Governors of many technical institutions and universities, on the editorial boards of many Indian and foreign journals. He was Chairman (NWRC), AICTE, Programme Implementation Committee (PIC) of National Project on Earthquake Engineering Education (NPTEE); Chairman, Working Group on HRD in IT, Department of IT, Government of India; Member of Adhoc Task Force (ATF) appointed by the Cabinet Secretariat; Independent Director on the Board of Air India; Member (MEAC) of National Board of Accreditation; Member, Technology Forum of INAE; and Member, Advisory Group of Experts for Technology Upgradation in Indian Railways – 'Make in India'.



Brig. SK Sharma (Retd.)
BArch (Hons) IIT, Kharagpur
MTech (Urban Planning),
School of Planning
& Architecture, New Delhi
Pro Vice-Chancellor & Professor

Brig. SK Sharma (Retd.) is the Pro Vice-Chancellor of THE NORTHCAP UNIVERSITY (formerly ITM University, Gurgaon) and a Professor in the Department of Civil & Environmental Engineering. He superannuated as the Registrar of the University in August 2014. He has 40 years of experience in architecture, urban planning and engineering in the Indian Army, Defence Research and Development Organization, real estate, project management, and teaching. He retired as Chief Engineer Designs at the apex level of the Corps of Engineers at Army HQ, Delhi.

His major assignments include Project Head of an 85-acre township project, and Hotel Radisson, Manesar, both with Silver Glades Group; Project Coordinator of the Defence Research and Development Organization building in Lutyens Delhi, a six-storeyed, centrally air-conditioned building, built in harmony with the heritage buildings of Rashtrapati Bhavan and South Block. His technical assignments include, Head of Continuous Education Programme (CEP) for architects, planners and engineers of the armed forces, and management of 5000 technical personnel as Chief Engineer. He prepared a Quality Assurance Plan for the built environment for the use of the Military Engineer Services for all major building projects of the defence services. He has undertaken the planning, design and execution of township projects in the Northeast, in difficult and often hostile conditions, to include housing, community facilities and infrastructure. He planned and executed aviation facilities on the northern borders, with a helirunway, its hangarage, and aviation services. Brig. Sharma was HoD, Architecture Wing, on a teaching assignment at the College of Military Engineering, Pune. He planned the Soldiers' Facilities Complex in Pokhara, Nepal, as a recruitment centre, pension facility and living complex for Gorkha soldiers. He was on the design team of a multistoreyed Intelligence HQ for RAW at New Delhi, and the Indian Field Gun Factory, Kanpur.

Brig. Sharma's membership of professional societies includes Fellow of Indian Institute of Architects, Fellow of Institution of Engineers (India), and Fellow of Indian Institute of Town Planners. Some of his technical publications have been on Environment, Shelters and Networks, National Housing Policy, Thermal Comfort Designs, Performance of Engineered Construction at Bhuj during the earthquake - 2000, IT and the Built Environment, and New Trends in Construction. He has served on the National Panel for Revision of the National Building Code, BIS – 2003. He is a veteran of the 1971 operations in Bangladesh.





Prof. Amitava Sen Gupta
PhD, MSc, BSc, University of Delhi
**Honorary Distinguished Research
Professor and Mentor, RDIL**

Prior to joining NCU, Prof. Amitava Sen Gupta superannuated from the National Physical Laboratory (NPL), New Delhi, in March 2015 as its Acting Director, holding the position of Scientist-H/ Outstanding Scientist. He also headed the Time & Frequency Standards Division at NPL. He is an expert in the areas of Radio and Atmospheric Physics; Electronics; Atomic Physics; and Time and Frequency Standards. With over 35 years of research experience, his major contributions include design and development of India's first and one of the world's most accurate primary atomic clocks, known as the 'Cesium Fountain' and the development of the prototype of a space qualified Rubidium Clock for ISRO. He has recently initiated research and development on single trapped Yb ion based optical frequency standards at NPL. He has also developed India's first satellite based standard time broadcasts using the domestic INSAT satellites. Prof. Sen Gupta was a member of the first and second Indian Antarctic Expeditions in 1981-82, where he performed experiments related to upper atmospheric radio propagation and Ozone studies. Subsequently, he was the leader of a 100 member team of the Eighth Indian Antarctic Expedition in 1988-89 setting up the permanent Indian Antarctic station 'Maitri'.

Prof. Sen Gupta is a Fellow of the National Academy of Sciences, India (NASI), Fellow of the Institution of Electronic and Telecom Engineers (IETE), Fellow of the Metrology Society of India (MSI) and a Senior Member of the IEEE, USA. He received the O P Bhasin Award for Science and Technology (2002) for his significant contributions in the field of Electronics and Information Technology. He received NCERT's National Science Talent Search Scholarship for his UG, PG and PhD studies at the University of Delhi. Presently, Prof. Sen Gupta is the President of the MSI and is the Editor-in chief of MAPAN - Journal of Metrology Society of India.



Prof. Ravindra Ojha
ME (Industrial Engineering & Management), Asian Institute of Technology, Bangkok
BTech, Mechanical Engineering, Regional Engineering College, Warangal (Gold Medallist)
Director, School of Engineering and Technology

Prof. Ravindra Ojha has a vast industry experience of 32 years in the Automobile sector in India. He started his career at Telco (currently, Tata Motors) Jamshedpur, as a Graduate Engineer Trainee to build his shop-floor skills. He subsequently moved to the tractor industry and contributed technically and managerially to the growth of different manufacturing plants and corporate offices of Eicher. Prof. Ojha went up the corporate ladder to become the Managing Director of GKN Driveline, India, which has four world class manufacturing plants in India, two of which are his creation. GKN is a 250 year old multinational company from UK and is the market leader in India and the world, for driveline products. He was declared the Best Managing Director of the Asia Pacific region in 2008 and it was under his leadership that GKN won innumerable excellence awards from car manufacturing leaders like Maruti, Toyota, Tata Motors and Honda.

Prof. Ojha has a specialization in Industrial Engineering and Management and is presently pursuing PhD on the contemporary and relevant topic 'Modelling and analysis for manufacturing excellence in the Indian economy' at THE NORTHCAP UNIVERSITY (formerly ITM University, Gurgaon). Currently he is teaching Project Management, Quality Assurance and Reliability Engineering, Material Science, Industrial Engineering and Manufacturing Processes to scholars at NCU. He has 11 publications to his credit which includes two Best Paper awards in 1986 and 1988 by IIE, Mumbai. His research paper on 'Manufacturing Excellence and its critical factors – an interpretive structural methodology application' was recently selected as the 'Outstanding Paper of 2014' by the Emerald Group Publishing Ltd. (UK) and was published in the Journal of Advances in Management Research, Vol. 111, No. 3.

Prof. Ojha is enthusiastic about his new initiatives at the University such as enhancing industry engagement through workshops with industry experts, giving new shape to summer internships, greater thrust to major technical projects, value creating through the ASQ student chapter etc. To break down departmental boundaries and to enhance social interaction amongst faculty, administrative and technical staff, Prof. Ojha has introduced FunCU (weekend fun-a great way to bond), at the University.

Prof. Ravindra Ojha has delivered lectures at Cranfield University, UK, MDI, Gurgaon, and taken sessions on leadership development and Lean-Enterprise in various GKN plants in the Asia Pacific region. He has travelled extensively across the world and studied the world's best manufacturing plants of GKN. His areas of interest include Manufacturing Excellence, Lean Management, Project Management, Quality Assurance and Leadership. He has several national and international publications in these areas. His rich industrial experience has enhanced the depth of teaching-learning in the School of Engineering and Technology at THE NORTHCAP UNIVERSITY.



From imparting excellent technical knowledge and industry experience to career counselling and mentoring, our faculty members ensure that no stone is left unturned to guide us and help us in whichever capacity possible.

*Nagender Singh Yadav, BTech, Class of 2001
Dy Director (IT), Ministry of Petroleum and Natural Gas, Govt. of India*



Professor Pushpesh Pant
PhD (JNU)
Dean & Professor,
School of Law

Formerly Professor of International Relations at JNU, Prof. Pushpesh Pant served in the Executive and Academic Councils of various Universities. He was also the Course Director for the IFS probationers training programme at the School of International Studies. He designed and developed the basic course on Indian Foreign Policy for the IFS Institute. Prof. Pant has 42 years of teaching experience at the Delhi University and the Jawaharlal Nehru University. He has guided over 25 PhD and 75 MPhil scholars. He has been a Visiting Professor at the Indian Academy of International Law and Diplomacy, New Delhi.

Prof. Pant was an Advisor to the Department of Culture and to the Steering Committee for Technological Missions, Department of Science and Technology, Government of India. He is a Member of the Institute of Defense Studies and Analyses and Member of the Indian Council of World Affairs. He has been advisor to the National Book Trust of India, and Member, Committee on Youth Tourism, Ministry of Tourism, GOI. He has worked extensively with the media including radio and television programmes on varied topics.

Professor Pant has contributed research articles in prominent journals including *India Quarterly*, *International Studies* and *IDSJ* Journal, and newspaper columns and articles in national dailies.



Dr Charu Shri
PhD, VMOU, Kota
MBA, CCSU, Meerut
Associate Professor &
Acting Head,
School of Management

Dr Charu Shri is the Acting Head of Department in the School of Management and teaches Entrepreneurship, Organization Behaviour and Quantitative Techniques. She is certified in Entrepreneurship Education from NEN (National Entrepreneurship Network) in the Foundation Course in Entrepreneurship and Advanced Knowledge: Business Models and Business Plans. Dr Charu is a certified trainer of iBizSim: International Business Simulation by iBizSim, Germany. She is also certified in Mind Dynamics and Personal Excellence in 'The NLP Way'. She has conducted Management Development Programmes, Faculty Development Programmes and Staff Development Programmes in several institutes and companies. She has 14 years of experience as a management educator and trainer. She has more than 30 research papers and articles to her credit in national and international conferences and journals. She has edited one book and many chapters in other books.



Mr BK Gupta
BSc (Hons) Electrical Engg,
Punjab Engineering College,
Chandigarh
Director,
School of Professional
Attachment

Mr BK Gupta is Director, School of Professional Attachment, ITM University. Academically, in addition to being an Electrical Engineer, he has undergone an advanced management programme at Indian Institute of Management Ahmedabad and a UNDP fellowship at International School of Technology, Norway.

Professionally, he carries with him a rich real-life corporate experience of almost 40 years with corporate giants like BHEL and Engineers India Limited (EIL). His last corporate assignment has been as an Executive Director (Information Technology, Corporate Affairs and Corporate Social Responsibility) at EIL, Asia's leading engineering, project management & consultancy (PMC) organization in the field of petroleum refining, oil & gas processing, petrochemicals, pipelines, fertilizers, ocean engineering, non-ferrous metallurgy & allied fields. He has been responsible for a large number of IT projects of national and international importance in the areas of Business Process Re-engineering, Enterprise Resource Planning, 3-D Plant Design Systems, Knowledge based Expert Systems, Document Management Systems and Project Management Consultancy. He has been very actively involved with imparting corporate training to various PSUs and Government departments. He has to his credit a very rich experience of handling a large number of initiatives in the areas of Corporate Communications, Corporate Planning and Corporate Social Responsibility.



Col. Bikram Mohanty
(Retd.)
Registrar

Col. Bikram Mohanty (Retd), Registrar, THE NORTHCAP UNIVERSITY (formerly ITM University, Gurgaon) is a Post Graduate in HR and a Diploma in Information Technology and has served in the Indian Army for over 30 years. During his service, besides serving in a number of field areas, he actively took part in a number of operations against the terrorists in Kashmir and the ULFA in the North Eastern sector. He commanded one of the highly decorated Cavalry regiments during "OPERATION VIJAY." As Head of Defence Security in Mumbai, he managed over 7000 troops, and was responsible to safeguard and protect some of the most sensitive and high value strategic assets. He handled recruitment of the eligible youth to the Army in the States of Andhra Pradesh, Tamilnadu & Gujarat. As the Station Commander of a military

cantonment he coordinated and helped the State Administration of Tamilnadu by providing military assistance by planning for rescue and rehabilitation of personnel affected by the tsunami in 2004.

After leaving the Army, he did a Business Management Course from IIM Indore and then joined the corporate world as GM in HR & Admin in a Pharmaceutical Company in Mumbai. Subsequently he moved to Gurgaon as GM in HR in an IT Company. He took over as our first Controller of Examinations in April 2010 and has been appointed as the second Registrar of NCU on 15th August 2014.



Manoj Kumar Gopaliya
MTech, IIT Delhi
Assistant Professor
Dy Dean (Academics)
Undergraduate Studies

Mr Manoj Kumar Gopaliya is MTech, IIT Delhi, and is pursuing PhD at IIT Delhi. He is a keen researcher in the domain of Fluid Mechanics, especially in CFD and Multi-phase slurry flow through pipelines. He has published seven research papers in peer-reviewed international journals of repute. He has 25 Google scholar citations at present. He has more than nine years of teaching experience across leading institutions in the NCR region. He is currently Deputy Dean Academics (UG studies) at the University. He was a NCU Star Performer in 2013-14. He is also a lifetime Associate Member of AeSI Delhi chapter.



Dr Bharti Arora
PhD, MPhil, MSc,
University of Delhi
Assistant Professor
Dy Dean, Research,
Development and
Industrial Liaison

Dr Bharti Arora, a meritorious student throughout at University of Delhi, she has been awarded 'UGC Research Fellowship in Science for Meritorious Students'. She was also selected for the 'Jawaharlal Nehru Scholarships for Doctoral Research Studies', in 2008. She has three years of teaching experience which includes Lady Irwin College and Hansraj College, (University of Delhi), and NCU (since July 2013). She is well acquainted with UV-visible & Circular Dichroism (CD) Spectroscopy, Gel Electrophoresis and Bioinformatic softwares/ tools.

Dr Arora's areas of interest/ specialization include Biophysical and Biochemical aspects of Nucleic Acids, DNA Polymorphism and Interaction studies, Biopolymers, Ionic liquids, Bioinformatics to determine the functionality of genomic DNA sequences. She has published five research articles in reputed international journals (RSC and Elsevier publications) with a total impact factor of 10.69. Dr Arora has published three chapters in books by renowned international publishers (Wiley-Scrivener, Pan Stanford). She has participated and presented papers in several national and international conferences.

She is a life member of the DNA Society of India. She is an invited reviewer for many SCI journals. In addition to nine years of research experience she has one year's experience of research administration and is looking after the research administration at the University as the Deputy Dean, Research, Development and Industrial Liaison (RDIL), since August 2014.



Dr Shrutimita Mehta
PhD, CCS University, Meerut
MA (English), University of Delhi
Three years' Advanced Diploma
(German), University of Delhi
Assistant Professor & **Head,**
Centre for Languages Learning,
Deputy Dean (Students)

A dynamic and versatile faculty member, Dr Shrutimita Mehta's core competency is in teaching Language Skills, Effective Communication, English Literature, Essentials of English, Phonetics and Business Communication. She is a certified BEC Trainer, and certified by the British High Commission to teach all levels of Business English Certificate Courses.

She has published several papers in national and international journals and has presented papers at various Indian and international seminars and conferences. She has 19 years of teaching and nine years of research experience.

As Deputy Dean (Students), Dr Shrutimita Mehta has contributed significantly in motivating students to get involved in various co-curricular and extra-curricular activities organized at the University.

*The University constantly
strives to promote an
industry-academia linkage
and research-based teaching
practice in order to keep pace
with the latest knowledge
evolving globally.*

Honorary Distinguished Research Professors and Adjunct Professors



Prof. AK Ghatak
Honorary Distinguished
Research Professor,
Former Professor,
Physics Department,
Indian Institute of
Technology, Delhi,
SS Bhatnagar Awardee

Professor Ghatak is arguably the father of modern India's research and education programmes in Photonics and Optics. A professor of physics at IIT Delhi from January 1974 to June 2002, and Emeritus Professor of Physics at the same institution from July 2002 to November 2006, Professor Ghatak is a PhD in Engineering Physics from Cornell University, USA. He has written over 170 research papers and more than 20 books. His undergraduate text on Optics has been translated into Chinese and Persian, and his monograph on Inhomogeneous Optical Waveguides (co-authored with Professor Sodha) has been translated into Chinese and Russian. In 1995, he was elected Fellow of the Optical Society of America 'for distinguished service to optics education and for his contribution to the understanding of propagation characteristics of gradient index media, fibres and integrated optical devices'. Professor Ghatak now spends his time writing books and doing special guest lectures at universities and colleges in India and internationally.



Prof. Ranjit K Sinha
Honorary Adjunct Professor,
Non-Executive Director,
BE Metallurgical Engineering
(Leeds, UK),
Master's in Industrial
Engineering and Business
Administration (Cranfield, UK),
PhD in Operations Management
(Birmingham, UK),
C.ENG. (Chartered Engineer, UK)

Professor Sinha brings vast and varied experience in industry both in India and abroad. He is a Fellow of the Institution of Production Engineers, UK (F.I.Prod.E), Fellow of the Institution of Electrical Engineers, UK (FIEE), and Member of the Institute of Management, UK (MI Mgt). His business experience includes British Steels, UK, and other multinational companies (in chronological order): Quality Controller (three years), Production Planning and Control (three years), Supply Chain Management (seven years), Manufacturing Director (three years), Operations Director (seven years), Sales and Marketing Director (including Commercial Functions) (three years), Managing Director (10 years – including three years in a UK subsidiary based in India). After retirement, Professor Sinha has been working as a freelance management consultant and non-executive director.'



Prof. SK Kaushik
Honorary Distinguished
Research Professor,
PhD, FNAE, FIE, FICI, Fiset,
FIGS, FACCE, FIIBE, FIV, FABI
(USA), FIFS, FIA STR, MASCSE,
MACI-MC, MIRC, MISTE,
MISWE, MISNDT, MMRSI

Prof. SK Kaushik is an eminent academician, researcher, and consulting structural engineer. Professor Kaushik has received the Brij Mohan Lal Award and E.P. Nicolaidis medal (twice) from IE (I), the Best Paper Award from ICFRCC (Chennai) and ISCMS Roorkee, Career Research Award (UGC) and Outstanding Concrete Technologist Award (ICI) in 2004. He received the Lifetime Achievement Award from the Indian Concrete Institute in 2006.

Fellow Indian Academy of Engineering, and past president, Indian Concrete Institute, Professor Kaushik retired as the Head of the Department of Civil Engineering at IIT Roorkee on superannuation in June 2005 after 35 years of service to the profession. Professor Kaushik distinguished himself by leading the Indian Concrete Institute (1995-97), Fibre Reinforced Concrete (1997-2001), and the Indian Society of Construction Materials and Structures (2000-2004) as their President. Additionally, he had the privilege of being Chairman of the Roorkee Centre of the Institution of Engineers (India), Vice-President of the International Ferrocement Society (Bangkok), Indian Society of Earthquake Technology, and Association of Consulting Civil Engineers (India).

He is an elected fellow of the Indian National Academy of Engineering, New Delhi, comprising India's most distinguished engineers, engineer-scientists and technologists covering the entire spectrum of engineering disciplines, since 1999. During his long career, he supervised 26 doctoral theses and 102 master's theses at Roorkee. He has to his credit more than 350 published research

*The University believes that for a brighter tomorrow the present
should be nurtured and guided in the right direction.*

papers in journals and conferences, and led the design of concrete buildings, bridges, ROBs stadia, and so on, in projects worth over Rs 400 crore. During the conversion of the University of Roorkee to IIT Roorkee (2002-2004), he led the construction programme of IIT Roorkee, worth Rs 100 Crores.

Prof. Kausbik was earlier the coordinator of Ferrocement Information Network (India), Advanced Centre of Composite Building Materials (MHRD), Centre of Relevance and Excellence (CORE) in Disaster Mitigation of DST at IIT Roorkee. He was a governor of the Engineering Council of India (ECI), New Delhi, and represented IIT Roorkee and ICI on several BIS and IRC committees.

Prof. Kausbik has been an active social worker in Rotary Clubs of Dehradun and Roorkee Mid-Town. He was President of the RC/Roorkee MT in 1999, and organized several blood donation camps at Roorkee in association with PGI Chandigarh. He is presently involved with voluntary service in the engineering construction Department of Radha Soami Satsang Beas (Dist Amritsar), Punjab, since October 2005, and is now a freelance structural consultant.



Manu K Vora
Honorary Adjunct Professor,
PhD, MBA, ASQ CQE

Mr Vora is Chairman and President of Business Excellence, Inc., a global management consulting services firm. He has over 30 years of leadership experience in tele-communications and chemical processing industries. His areas of expertise and experience include customer satisfaction, continuous process improvement, leadership development, employee engagement, operational performance, problem solving, benchmarking, organizational assessment using quality management models, and diversity management. He is a Fellow of the American

Society for Quality (ASQ) and Certified Quality Engineer (CQE). Mr Vora served as Chief Judge at the Illinois Team Excellence Award Program from 1993-1999.

Mr Vora holds an MBA in Marketing Management from Keller Graduate School of Management in Chicago, MS and PhD in Chemical Engineering from Illinois Institute of Technology in Chicago, and BS in Chemical Engineering from Banaras Hindu University in India. From 1993 to 2005, as an Adjunct Professor, he taught Quality Management and Supply Chain Management in the MBA Program at the Stuart School of Business at Illinois Institute of Technology in Chicago. Currently, he is an Adjunct Professor at the College of Business, Northern Illinois University in DeKalb, where he teaches Management of Information Systems Technology and Operations Management. He has taught ASQ Certified Quality Engineer (CQE) preparation classes at AT&T Bell Laboratories (now Lucent Technologies), to create 89 CQEs. He is a member of the Board of Advisors of the Cooperative Association of States for Scholarships (CASS) Program at the Broome Community College in Binghamton in New York.

Mr Vora has published his niche work in the field of quality in several Indian and foreign journals of repute. He has made over 230 presentations around the world. He is a sought-after speaker on business excellence and quality management topics to local, regional, national and international audiences.

Mr Vora is very active in community and civic service. Since 1989, he has been serving as the Founding Director and President of the Blind Foundation for India (BFI). Since 1991, BFI has raised over \$3.5 million to perform 95,000 free cataract operations, donated 83 mobile vans for conducting eye camps, distributed 9,500 Braille kits to blind children, and helped over a million visually impaired people in India. Dr Manu K Vora has recently been nominated for the prestigious Harrington/Ishikawa Medal for 2014 from the Asia Pacific Quality Organization (APQO). The Medal will be presented at the 20th Asia Pacific Quality Conference in Kuala Lumpur, Malaysia on 23 November 2014.



Prof. M S Sodha
Padmashree
Honorary Distinguished
Research Professor,
Former Vice Chancellor –
Barkatulla, Bhopal, Indore and
Lucknow Universities,
SS Bhatnagar Awardee

Awarded the Padmashree in 2003 for his outstanding contributions to science and engineering, Professor Mahendra Singh Sodha completed his higher education at Allahabad University, obtaining a D Phil in 1955. From 1956 to 1964, he worked in Canada and USA in different capacities. He joined as a professor in the Physics Department at IIT Delhi, in 1964. He has made outstanding contributions in the area of Energy, Fusion Plasma, Solid State Physics, Optics, Combustion and Ballistics. He has also been the Vice-Chancellor of Devi Abhiya Vishwavidyalaya, Indore, as well as of Lucknow University, and of Barkatullah University, Bhopal. Professor Sodha was also awarded the prestigious SS Bhatnagar Award in 1974, and Hari Om Ashram Prerit Shri SS Bhatnagar Award in 1978.



Dr Karmeshu
Distinguished
Research Professor,
Prof & Dean,
School of Computer
& Systems Sciences,
Jawaharlal Nehru University,
New Delhi,
SS Bhatnagar Awardee

Professor Karmeshu, winner of the Shanti Swarup Bhatnagar Award in 1993, and the CM Jacob Medal in 1990, has been working as a professor in the School of Computer and Systems Sciences in JNU, New Delhi, since April 1986. He was Dean from September 1987 to September 1989. He also worked as a Senior Professor in the Indian Agricultural Statistics Research Institute, New Delhi (March 1985 to April 1986).



Prof. JND Gupta
Honorary Adjunct Professor,
Eminent Scholar
in Management of Technology,
Professor
of Information Systems

A recipient of the Outstanding Faculty and Outstanding Researcher Awards from Ball State University, USA, Prof. Gupta was nominated (and was one of three finalists) for the award of Dean James Chair for Distinguished Teaching at the University of Baltimore, USA. Earlier, he received the Superior Job Performance Award at the Energy Information Administration.

Prof. Gupta has served as the Vice-President for Publications of the Production and Operations Management Society, regionally elected Vice-President for the Decision Sciences Institute, Vice-President of Education for the Central Indiana Chapter of APICS, President of the Indianapolis Chapter of IIE, and President of Midwest DSI. He serves on the editorial boards of several national and international journals, and currently serves as an Associate Editor of Decision Sciences.

Prof. Gupta has published about 200 research and technical papers in journals such as Operations Research, Journal of Management Information Systems, Annals of Operations Research, International Journal of Information Management, Mathematics of Operations Research, IIE Transactions, Naval Research Logistics, and European Journal of Operational Research. Prof. Gupta has received several awards for his research work, including the P-W Industries Award for Best Application Paper. He was inducted as Fellow of the Decision Sciences Institute, the highest honour bestowed in that profession. Co-author of a textbook on Operations Research, he has also co-edited a book on Neural Networks in Business, and has co-authored several chapters in E-commerce, learning organizations, and knowledge management. He has lectured widely in Australia,

Brazil, Hong Kong, Singapore, England, Holland, Spain, Italy, Canada, and several other countries in Europe and Asia. His most recent colloquium on Collaborative Logistics in E-Commerce and Global Business won him acclaim in Spain, and was covered by several newspaper articles.



Prof. Saligram Bhatt
Professor Emeritus,
Fulbright Research Scholar

Prof. Bhatt is a postdoctoral Fulbright Research Scholar in Air law, Space law and Environment law, School of Law, Southern Methodist University, Dallas, Texas, USA, from 1969 to 1970. He has a PhD in International Law from Jawaharlal Nehru University, with specialization in Air Law and Space Law under the guidance of Dr Nagendra Singh, Judge of the ICJ (International Court of Justice). Prof. Bhatt has more than forty years of extensive experience in civil aviation administration, legal and policy matters, drafting or amending of primary aviation legislation and detailed civil aviation regulations, among other things, for the Directorate General of Civil Aviation (DGCA), Government of India, with ICAO and other aviation-related organizations. He was the Director of Air Transport Regulations and Deputy Director General of Civil Aviation, Government of India (1984–1988), Chairman, National Facilitation of Passengers Committee in DGCA, and drafted air laws and policy briefs for the government of India.

As a Member of the Air Delegation, Government of India, he has participated in about 60 Government of India negotiations with foreign governments, drafting air agreements and making briefs for Air India and Indian Airlines. In this position, he has negotiated with governments of numerous countries, including the UK, USA,

Canada, China, USSR, the Gulf countries, African countries, countries in Southeast Asia, Pakistan, Sri Lanka, Bangladesh and Afghanistan. Prof. Bhatt was Advisor/Consultant to the United Nations (ICAO) on civil aviation for the governments of Botswana, Lesotho and Somalia, on Airport Infrastructure, Air Space Management, and Air Transport Regulations. He was instrumental in drafting bilateral Air agreements of Botswana with several countries like South Africa, Namibia, and Zambia.

Professor Bhatt was an Honorary Professor of International Law (Emeritus level) of Air and Space law, Jawaharlal Nehru University, New Delhi, and Honorary Professor, Centre for Federal Studies, Jamia Hamdard University, New Delhi. He is also an Adjunct Professor of Law at NALSAR University, Hyderabad.



Prof. Kehar Singh
Distinguished Research Prof,
Ex-Dean & Emeritus Fellow,
IIT Delhi,
SS Bhatnagar Awardee

Distinguished scientist, Professor Kehar Singh has served as a member of the faculty at IIT Delhi since 1965, in various capacities. He was an academic visitor at the Imperial College of Science and Technology, London, from 1969 to 1970. He was a Professor from January 1984, and during the period 1996 to 1999, served as Head of the Department of Physics. Professor Singh held the position of Dean, PG Studies and Research, IIT Delhi, during the period March 2001 to August 2003. He served as Cluster Chair at the Swiss Federal Institute of Technology, Lausanne (Switzerland) in 2002. Until June 2011, he served as an Emeritus Fellow at IIT Delhi, where he continued to teach and carry out research. Prof. Kehar Singh has recently been appointed as a member of the 'Cluster Advisory Committee' for a group of DRDO Laboratories.



Dr Kapil Narula
Honorary Adjunct Professor,
PhD, IIT Delhi
BS (Chemical Engineering)

Respected environmental researcher and international awardee, Dr Kapil Kumar Narula is an environmental hydrologist, and focuses on Analytics for designing integrated hydrological and environmental Decision-Support-Systems (DSS) that are physically based and embed stochastic processes within GIS-based deterministic hydrological frameworks. These rely on the simultaneous application of statistics, programming and operations research to quantify, design and develop practical solutions related to water scarcity and environment in India. Dr Narula has been responsible for several environmental research efforts in India, which include integrated hydrological and hydro-chemical modelling, agro-water management initiatives, hydropower potential assessment in the Himalayas, water quality assessment and management, and scientific backstopping and support for the analysis and reporting of water scarcity and environmental degradation in India.

Crucial to all of the applied research and management tasks is his ability to supervise and mentor applied research working on a broad range of water-related issues. He also networks with policymakers and experts in the government, academia, private sector and NGOs. Dr Narula is an Adjunct Associate Research Scientist (Honorary), The Earth Institute, Columbia University, advancing the objective of blending scientific research, education and practical solutions, to help guide new emerging initiatives and ideas onto a path towards sustainability.

Dr Narula has been the Founder Director of Columbia Water Center's India office. Before joining CWC's India office and becoming Adjunct Associate Research Scientist at the Earth Institute, Dr

Narula worked with The Energy and Resources Institute (TERI) as Associate Director, where he headed a cross-cutting initiative on water and an interdisciplinary group of researchers. The Cross-Cutting Initiative involved researchers and scientists from various areas and divisions across TERI (e.g., Environmental and Industrial Biotechnology, Energy Environment Technology, Modelling and Economic Analysis, Climate Change, and Resources Regulation and Global Security) who joined to address complex challenges and possible solutions to the most pressing problems in the field of Water Resources Policy and Management. The Cross-Cutting Initiative aimed to establish methods for bridging disciplines and enabling researchers and scientists from different fields to address problems and work towards practical solutions in an integrated manner. In the subsequent years, this initiative gave rise to a full-fledged multidisciplinary division in the year 2008, namely, the Water Resources Division.

Dr Narula was also an adjunct faculty member at TERI University (which was a part of TERI during its early years of inception), where he designed and taught courses for master's and doctoral students, and guided several students and researchers. He also has an extensive working relationship with large corporations such as Pepsico Foundation, Coca Cola, Toyota Foundation, etc., where through applied research he has assisted in seeking answers to their water resource challenges. Dr Narula obtained his PhD in Integrated Water Resources and Environmental Modelling at the Indian Institute of Technology, Delhi (IIT), and a BS in Chemical Engineering, with specialization in Environmental Engineering, in 1992. His honours include receiving the German Aerospace Research (DLR) fellowship and German Ministry of Science and Technology (BMBF) research scholarship for undertaking research in Water Resources and Nitrate Transport at the Research Center Juelich (Forschungszentrum Juelich, Germany) from 1997 to 1998 and in 2002. In the last two years, Dr Narula has published his applied research findings in the Journal of Weather, Climate and Society (American Meteorological Society), Science of the Total Environment (STOTEN) (Elsevier) and the Journal of Crop Improvement (Taylor and Francis), among other peer-reviewed journals. He has also presented numerous technical briefings at scientific conferences, and has been a lead or contributing author to Asia's next challenge: Securing the region's water future

(Asia Society, Leadership Group on water security in Asia), Addressing the Water Crisis in Gujarat, India (white paper and policy brief for the Government of Gujarat, India), chapter in a book on Water and Agricultural Sustainability Strategies (Taylor and Francis Publication); and Strategies for increasing/ stabilizing farmer incomes through resource sustainability for energy and groundwater conservation (policy brief for Government of Gujarat) in addition to several publications on hydrological and environmental modelling.



Dr Krasae Chanawongse
Honorary Distinguished
Professor,
MD, DTPH (London),
Dr PH (Columbia),
Ramon Magsaysay Award

Dr Krasae Chanawongse is Chairman, Asian Disaster Preparedness Center (ADPC), Thailand. ADPC is an international organization working on reducing the effect of disasters in the Asia-Pacific region. Dr Chanawongse, a medical doctor by profession and winner of the prestigious Ramon Magsaysay Award in community leadership in 1973, is presently the Chairman, Princess Narathiwat University, Chairman of Naresuen University, Chairman of Panyapirat Institute of Management and Founder of the College of Asian Scholars in Thailand.

Internationally, he has been the Chief Expert of the United Nations FPA in Bangladesh; Technical Advisor of WHO in Bangladesh, Indonesia, Myanmar and Nepal; a Teaching Fellow at Columbia University; a Visiting Professor at Hawaii University, and a member of the International Board Committee of the Asian Information Center in Kobe, Japan.



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

Mr Ajai Chowdhry has a Bachelor's degree in Electronics and Communication Engineering, and has attended the Executive Programme at the School of Business Administration at the University of Michigan, USA. As a co-founder of HCL, he began an exciting journey with a dream to give India its very own microcomputer. The sheer clarity of vision and hard work led to a revolution, laying the foundation for the Indian IT industry, and taking India to the league of major economies of the world. Mr Chowdhry led the foundation of HCL's overseas operations, starting with Singapore in the 1980s, to other Southeast Asian markets, including Malaysia, Thailand, Hong Kong, Indonesia, and China. HCL, India's original IT garage start-up founded in 1976, is today a US\$6bn global enterprise, and Mr Chowdhry has been a key force in driving its growth. Among his many other interests, Mr Chowdhry is also the former Chairman of the Board of Governors, IIT, Hyderabad.



Prof. Som Karmachetty
Honorary Adjunct Professor,
PhD, Mechanical Engineering,
IIT Kharagpur,
MS, Mechanical Engineering,
IIT Kharagpur

Prof. Karmachetty a Potomac, Maryland based consultant on Education, Research, Management and Concept Development. He has 48 years of versatile experience in India, Australia, and the US federal government, private US R&D companies of small size, as well as a huge multinational corporation. He has been an academic in USA, Australia, and India.



Prof. Peter Smith
BEngg. Mgt, MEngg., PhD
Academic Vice President
University of McMaster, Canada
Honorary Distinguished
Professor

Prof. Peter Smith was Director of Engineering at University of McMaster, 1996 - 1999, a period of rapid expansion. He was the Student Activities Chair for the Canadian Region of the Institute of Electrical and Electronics Engineers (IEEE), 1995-1997, and has participated in numerous student-focused activities. Prof. Peter Smith currently heads the Microwave Acoustics Laboratory at McMaster, which focuses on the design, modelling and application of devices that employ ultrasonic waves to perform signal processing on telecommunication signals. He is one of the leading experts worldwide on Surface Acoustic Wave (SAW) devices, a subject on which he has co-authored over 50 peer-reviewed publications and for which he was awarded the R A Ross Medal by the Engineering Institute of Canada. Prof. Smith is a Senior Member of the IEEE and a member of the Association of Professional Engineers of Ontario, programs and activities. He brings to the office a broad perspective and interest on issues that affect undergraduate students in Engineering. At present he is Vice President Academic at McMaster University of Canada.



Prof. Satish C Sharma
Professor, Environmental
Systems Engineering,
University of Regina, Canada
Honorary Distinguished
Professor

Prof. Satish C Sharma, Associate Dean (Academic) at University of Regina has expertise in Intelligent Transport System, Highway Traffic Monitoring, Statistical Analysis. He did his MS and PhD in Civil Engineering from University of Manitoba, Canada, in 1973 and 1978 respectively. Before joining University of Regina he was working as Transportation Engineer in Alberta Transportation, Edmonton, and subsequently joined as Assistant Professor of Civil Engineering, Concordia University, Montreal. He is a member of the Association of Professional Engineers & Geoscientists, Saskatchewan, since January 2000; Association of Professional Engineers, Geologists and Geophysicists of Alberta, 1980-2000; Roads and Transportation Association of Canada, 1981-1999; Canadian Society for Civil Engineering, 1986-1999; Associate Member, Transportation Research Board, National Academy of Sciences, Washington, D.C., 1982-1999. He has 60 research papers in international journals, 70 conference papers and 2 books to his credit.



Prof. K L Chopra
Padmashree
Distinguished
Research Professor,
Former-Director,
IIT, Kharagpur,
SS Bhatnagar Awardee

A stalwart of the scientific community, Professor Chopra has been recognised as one of the seven 'most highly cited' scientists of India during a period of over two decades till 2005. He has received both a Padmashree from the Government of India and an Honorary

*The faculty constitutes
the core academic resource*

DSc from UP Technical University. The Institute of Scientific Information (ISI) of USA has conferred the Citation Laureate award on him. Among the numerous other awards he has received are the SS Bhatnagar award, CSIR; Krishnan Medal, INSA; Bhabha Award, UGC; Mahalanobis Medal, INSA; Aryabhata Gold Medal, INSA; FICCI Award; Bhasin Award, Bhasin Foundation; Biren Roy Memorial Award; MRSI Distinguished Materials Scientist Award; Indian Vacuum Society Lifetime Achievement Award; Solar Energy Society Photovoltaic Award; and the Distinguished Educator Award of the Indian Society of Mechanical Engineers. Professor Chopra is a Fellow of all the four science and engineering academies of India, and Honorary Fellow, Punjab Science Academy.

Born in West Punjab, now Pakistan, Professor Chopra pursued studies in physics at Delhi University, obtaining BSc (Hons) and MSc degrees, before attending the University of British Columbia, Canada, under a World University Fellowship, to earn a PhD degree. He served in several senior R&D positions for about 14 years: at the Royal Military College, Canada; as Max Planck Fellow at Fritz Haber Institute, W Germany; and as Staff Scientist at Philco-Ford Scientific Lab and Ledgemont Lab, Kenecott Corp., USA. Invited to the position of Senior Professor, Solid State Physics at IIT Delhi in 1971, Professor Chopra also served as the Head, Physics Department, Thin Film and Solid State Technology Cell, and the Centre for Energy Studies. He was the Dean, PG Studies for two terms, and Founder Dean of Industrial R&D. He has also been a visiting professor at Cornell and Northeastern Universities, USA.

In 1987, he was offered the challenging position of Director, IIT, Kharagpur, which, as a unique case he served for two terms of ten years, reviving the institute to reach the number one position among IITs. His numerous innovations at IIT, such as the creation of a management school named after its donor, Vinod Gupta, an S&T park with faculty-held enterprises, a technology foundation, the Sanyal School of Telecommunications (with donations from an alumnus), an optical cable-wired campus, a multi-crore corpus fund, an E-library, and IIT Extension Centres at Kolkata and Bhubaneswar, have now been emulated by other IITs.



Prof. Indra K Varma
Honorary Distinguished
Research Professor
MSc, DPhil, PhD, DSc,
Glasgow University

Prof. Varma is an internationally recognized polymer scientist from IIT Delhi. She developed the flame resistant polyamides for NASA, and has also co-authored several books. She received the Dupont International Award for Polymer Characterization by Thermal Analysis. 'Plastic waste management is one area where I would like to work in the future, because this is an issue which is of concern to all of us today,' says Professor Varma, who was the Reliance Chair at IIT Delhi. She got her doctorate in chemistry and DSc from the Glasgow University, UK, and joined IIT Delhi in 1966 as lecturer in the Department of Chemistry, becoming a professor in 1977. From 1997 to 2000, she was appointed head of the Centre for Polymer Science and Engineering.

Prof. Varma has also published more than 275 papers in leading scientific journals, besides being the principal investigator in eleven projects sponsored by Council of Scientific and Industrial Research (CSIR), Indian Space Research Organisation (ISRO), United Nations Development Programme (UNDP), Department of Science and Technology (DST), Diffuse Neuro-Endocrine System (DNES), Ministry of Human Resource Development (MHRD), Defence Research and Development Organisation (DRDO) and National Institute of Standards and Technology (NIST) (USA). She has made significant contributions in the field of polymers and her specialization is the synthesis of polymers. Professor Varma has four patents to her credit in the field.

In 1979, she went to the US for two and half years to work in the National Aeronautics and Space Administration (NASA)

laboratory in California on a special project. She got down to developing flame resistant polyamides. For the breakthrough in this project, she received seven certificates of recognition and a cash award from NASA.

In 1995, the space centre again invited her for eight months to work on a project involving electrically conducting polymers. She also played a pivotal role in developing a thermally stable polymer that would not burn in the air when the spacecraft travelled at high speed in the atmosphere.

The patents in the joint names of Professor Varma and other scientists are: Phosphorous Containing Bisimide Resins (Indra K Varma, GM Fohlen and JA Parker, June 1981); Phosphorous Containing Imide Resins (Indra K Varma, GM Fohlen and JA Parker, July 1983); Elastomer Modified Phosphorous Containing Imide Resins (Indra K Varma, GM Fohlen and JA Parker, December 1983); and Phosphorus Containing Imide Resins (Indra K Varma, GM Fohlen and JA Parker, January 1985).

Besides certificates of excellence from NASA, she has co-authored a number of books, notable among them being, Recent Trends in Polymers and Composites, Thermosetting Resins - Properties, Synthetic Polymers; a book for the undergraduate students of Indira Gandhi Open University, and a class XI NCERT book of chemistry (1977).

Professor Varma was also a visiting professor at the Department of Polymer Technology at Sweden's Royal Institute of Technology. Under her tutelage at the Centre for Polymer Science and Engineering at IIT Delhi, 37 students have been awarded PhD degrees, including students working towards their doctorates on topics like flame resistant polymers, thermally stable polymers, and adhesive from proteins.

Women like Professor Varma are indeed the sought-after role models for the younger generation of girls in schools and colleges, aspiring to become leaders in their fields.





Prof. A Jayagovind
Honorary Adjunct Professor,
PhD, Jawaharlal Nehru
University, New Delhi
LLM, University of Madras

Prof. A Jayagovind is an eminent Jurist, former Vice-Chancellor, Director, Professor of International Trade Law at National Law School of India University (NLSIU), Bangalore and Visiting Professor at National Law University, Delhi. He got his BSc degree from Mysore University, LLB from Karnataka University, Dharmwad, Master of Law from University of Madras and his PhD from Jawaharlal Nehru University, New Delhi in 1976.

Prof. A Jayagovind joined NLSIU in May 1988 as an Assistant Professor of Law (Senior) and subsequently was Director, and then re-designated as Vice-Chancellor from 2004 till May 2009. He has also administered the Ministry of Commerce Chair on WTO at NLSIU. He was a UNESCO Fellow on International Economic Law, George Town Law Centre, Washington D.C. Prof. A Jayagovind was a Research Associate at the Indian Law Institute; Research Officer, Indian Institute of International Law; Assistant Professor at the School of International Studies, Jawaharlal Nehru University, New Delhi. He was a Senior Lecturer in Law and Head, Department of Public Law and Jurisprudence, University of Sokoto, Nigeria.

His areas of specialization include Public International Law, Private International Law, International Organizations, International Trade Law and Contracts. He has 26 publications to his credit.

Presently Prof. A Jayagovind is serving as a visiting Faculty at National Law University, Delhi; Research Guide at Symbiosis International University, Pune; Visiting Professor at NLSIU; Visiting Professor at Chanakya National Law University, Patna and as board member in various universities.



Prof. Rajendra Singh
Honorary Distinguished Research
Professor,
Professor, Dept. of Mechanical &
Aerospace Engineering
The Donald D. Glower
Chair in Engineering,
Director - Smart Vehicle Concepts
Centre Ohio State University, USA

Prof. Rajendra Singh, The Donald D. Glower Chair in Engineering and Professor of Mechanical Engineering at The Ohio State University (USA), is internationally recognized as a leading vibration and noise control engineering researcher control and educator. His many accomplishments lie in the area of machinery acoustics, vibrations and dynamics, with applications to automotive and rotorcraft systems. His pioneering work is on the vibro-acoustic analysis of machine elements. He has published over 375 papers including 184 journal articles. He has also demonstrated excellence in teaching, outstanding curricular development, inspiring mentoring and effective administration of undergraduate enrichment programs. His innovative teaching and research have brought national and international recognition, with fundamental contributions to the technical literature and engineering practice. The NSF Smart Vehicle Concepts Center and the Acoustics & Dynamics Laboratory that he directs have been sponsored by the government agencies and world-wide automotive companies.

Prof. Rajendra Singh received Gold Medal for Academic Excellence in the year 1973 at University of Roorkee (IIT Roorkee). He was elected to the Fellow grade, INCE/USA (2009); Fellow grade, SAE, Int. (2006); Fellow Acoustical Society of America (1992); Fellow, ASME (1992), Asian American Faculty Honoree, Ohio State (1992).

Prof. Singh has actively collaborated with several institutions in India. In 1996, he led the US national delegation that participated in the NSF (USA) and DST (India) supported symposium on vibration & noise engineering in India. This successfully brought best researchers from the US together with top faculty in India. The Indian side was led by Prof BC Nakra of IIT Delhi and later, Distinguished Professor Emeritus, THE NORTHCAP UNIVERSITY. The papers were published in International Journal of Sound and Vibration.

Prof. Singh has collaborated with colleagues at the following Indian institutes over the last 25 years in the general area of vibration, dynamics and acoustics: Indian Institute of Technology, Delhi, Indian Institute of Science, Indian Institute of Technology Madras, Indian Institute of Technology Kanpur, University of Roorkee (now IIT Roorkee).

He delivered lectures and chaired the panel discussion with relevance to Indian Industry during International NVH Seminar, Delhi, India, organized by ICAT, 6-7 April 2011. He participated in the sixth International Conference on Vibration Engineering and Technology of Machinery, IIT Delhi December 2010. Prof. Singh is on the Editorial board of Journal of Sound and Vibration, (2002-), Editorial Board, Applied Acoustics Journal, Elsevier Applied Science (1993-), KSME Journal of Mechanical Science and Technology (2006 -), Journal of Mechanical Engineering Science, I. Mech. E. Proc. Part C, and Noise Control Engineering Journal (2004-), JS&V.



Prof. B K Das
Honorary Distinguished
Research Professor,
PhD, MS, University of Illinois,
Urbana, USA,
BTech (Hons),
IIT Kharagpur

A senior professor in Electrical, Electronics and Communication Engineering, Professor Das has research interest in the area of Electronic Materials and Devices, Photovoltaics, Electronic Components and Nanotechnology, and has published 135 research papers in peer-reviewed SCI journals, holds eight Indian and one US patent, and has edited two books. He is a Fellow of the National Academy of Sciences, India, Maharashtra Academy of Sciences, and is a member of the Asia Pacific Academy of Materials. In recognition of his scientific work, he has won prestigious awards like the MRSI Medal, Best Metallurgist Award of the Ministry of Steel and Mines, the VASVIK Award, and the Gowri Memorial Award of IETE.



Prof. KM Mital
Honorary Distinguished
Research Professor,
PhD, IIT Delhi
ME, IIT Roorkee

Dr K M Mital is the co-founder and Director, GIFT School of Human Values and Management, Etos, (a constituent school of the Global Institute of Flexible Systems Management (GIFT), a society for the promotion of flexibility in management. He is a former President of the GIFT Society (2012-2013). Dr Mital is BE (Mech), Agra University, ME (Production) and PhD in Industrial Engineering. He has extensive corporate experience having worked in in various capacities in three major public enterprises in the energy sector, namely, BHEL (16 years), ONGC (9 years) and Engineers India 12 years. He has been a Professor at the Department of Management Studies, IIT Roorkee, and at IILM Institute for Higher Education, New Delhi.

Dr Mital is the author of over 300 publications comprising of papers, book reviews and technical reports relating to industrial engineering, operations research, management and energy related disciplines (200 regular papers, 40 book reviews, 40 reports and 20 short communications) and six books in the field of energy and management areas.

Dr Mital has edited first sixteen issues of the GIFT Society newsletter, Flexibility, first six issues of the GIFT journal Values-Based Management and twelve issues of the IILM journal Management & Change. He is the recipient of numerous awards including twice winner of the Best Paper award medal of the Indian Institution of Industrial Engineering.



Dr Surendra Pal
Honorary Distinguished
Research Professor,
Dist. FIETE, FIEEE, FNAE,
FNASc, FIET(UK), MIAA (Paris)

Dr Surendra Pal is a distinguished Scientist, Programme Director, Satellite Navigation Programme, ISRO Satellite Centre Bangalore and is President of the Institution of Electronics and Telecommunication Engineers –India. Dr Pal is a Distinguished Fellow of IETE, Fellow of Indian National Academy of Engineering (INAE), Indian National Academy of Sciences, Fellow IEEE (USA), IET (UK), MLAA (Paris), FVEDA, MASI.

He was responsible for the development and fabrication of all spacecraft related telecommunication systems for India's satellites, beginning with Aryabhata to the present day IRS & INSAT series of spacecraft and Chandrayaan-1. Dr Pal is also responsible for pioneering satellite based navigation activities in India. He was spearheading the Indian Satellite Based Wide Area Augmentation System - GAGAN (GPS Aided Geo Augmented Navigation System) and Indian Regional Navigation Satellite System (IRNSS) activities for aviation for civilian and restricted users. Dr Pal and his team successfully took the challenge of designing 32 M diameter antenna system for Indian Deep Space Network for Chandrayaan-I. He is on the United Nations panel of experts on Global Navigation Satellite Systems (GNSS).



The University possesses a high degree of professionalism and seeks to inculcate the same in the students. Studying Law in harmony with Technology and imbibing Management skills, simultaneously, is the USP of THE NORTHCAP UNIVERSITY.

Himanshu Rathee, 5th semester, 3rd Year, BBA-LLB , Class of 2017



Dr Rajesh Chadha
Honorary Distinguished
Research Professor,
PhD, IIT Delhi
MA, University of Delhi

Prof. Rajesh Chadha is a Senior Fellow specializing in international trade, foreign direct investment, agricultural markets and competition and regulatory reforms. He has more than 38 years experience in teaching and research, both at National Council of Applied Economic Research (NCAER) and the University of Delhi. He is also the Managing Editor of Margin, NCAER's flagship journal. He has completed research projects sponsored by the governments of India, Australia and Britain and various international organisations. He has been a Visiting Scholar at the Universities of Michigan and Melbourne. He received his PhD in Economics from the Indian Institute of Technology, New Delhi.

He has taught at reputed institutions including IIT Delhi; IIT Roorkee; IEG, Delhi; IIFT, New Delhi; IIPA, New Delhi; and AIMA, New Delhi. He is a Visiting Scholar to the Department of Economics, University of Michigan, USA and the Department of Economics, University of Melbourne, Australia; and Consultant to the World Bank and to the Australian Government.

He is a GTAP Research Fellow: Nominated for 2004-2007 by Purdue University, West Lafayette; the only Indian economist to receive this honour instituted since 1996.



Faculty Mentors

To encourage utilizing the collective wisdom of Honorary Distinguished Research Professors, Honorary Adjunct Professors, industry leaders and others, a scheme of Faculty Mentors has been introduced. Their deep knowledge, their finest pedagogies, education processes and methodologies, experience in research and familiarity with industry integration practices invigorate academic rigour and research orientation in the University. The effectiveness of the scheme is being evaluated every quarter, and lessons drawn for further improvement.



Prof. Prem Vrat
BTech. (Hons.), MTech
IIT Kharagpur
PhD-IIT Delhi
Doctor of Engineering
(Honoris Causa)
FNAE, FNASc.,
FWAPS, FISTE, FIIIE,
Chief Mentor



Prof. BC Nakra
BSc Engg. (Mech);
MTech, IIT Kharagpur
PhD and DIC (London),
Imperial College of Science
and Technology,
FNA, FNAE, FASc, FIE, FASI



Dr C R Prasad
BE, MBA, DSc (Honoris Causa),
FNAE, FIE, FIME, MAIMA
Chairman & Managing Director
Everest Power Private Limited.
Former Chairman & Managing
Director of Gas
Authority of India Ltd.



Mr Harbans Lal Bajaj
BSc, MSc FNAE, FIE, FIET,
FIEEE, FAIMA
Independent Director, PTC Ltd.
Formerly: Appellate Tribunal for
Electricity; Chairman,
Central Electricity Authority &
ex-officio Secretary Govt. of India



Prof. B K Das
PhD, MS University of Illinois,
Urbana, USA
BTech (H), IIT Kharagpur
FNASc, FMAS
Formerly Dean-RDIL, NCU



Prof. Indira K Varma
MSc, DPhil, PhD, DSc,
Glasgow University
Honorary Doctorate Degree



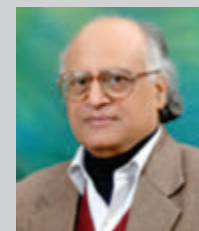
Prof. Mohan Lal Kothari
BTech, MTech, PhD
Emeritus Fellow, Department of
Electrical Engineering, IIT Delhi



Prof. Kehar Singh
Ex-Dean & Emeritus Fellow,
IIT Delhi,
SS Bhatnagar Awardee



Prof. Kasturi Lal Chopra
Padmashree
PhD, MSc, BSc (Hons),
FNA, FASc, FNASc, FNAE, DSc(hc)
Former Director, IIT Kharagpur,
SS Bhatnagar Awardee



Dr Karmeshu
PhD, MSc, BSc (Hons)
Professor, School of Computer
& Systems Sciences,
Jawaharlal Nehru University,
New Delhi
SS Bhatnagar Awardee



Prof. M S Sodha
Padmashree
BSc, MSc, DPhil, FNA
Former Vice Chancellor –
Barkatulla University,
Bhopal, Devi Ahilya University,
Indore & Lucknow Universities,
Lucknow
SS Bhatnagar Awardee



Dr P K Swamee
BE (Civil); ME (Hydraulic Eng.),
PhD, University of Roorkee



Prof. K M Mital
BSc, BE (Mech),
ME (Prod.),
PhD in Industrial Engineering
and Management



Prof. Surendra Kumar Kaushik
FNAE; PhD (Engg.)
FIE (India)
AICTE-INAE Distinguished Professor.
Formerly Professor and Head,
Dept. of Civil Engineering,
IIT Roorkee



Dr Surendra Pal
BSc– PCM, MSc - Physics,
MSc (Technology) –
Electronics; PhD President,
Institute of Electronics and
Telecommunication Engineers (IETE),
Sr Advisor, ICT Ahmedabad University,
Distinguished Visiting Professor
INAE India and IEEE USA



Dr Rajesh Chadha
Honorary Distinguished
Research Professor,
Senior Fellow-National Council
of Applied Economic Research



Dr Yogendra Pal Anand
PhD
FNAE, MSES, FIPWE,
FIRT, FIIBE, FIEI



Prof. Satya Sheel
B Engg. (EE); M Engg. (ECS);
PhD (Systems & Electrical Engineering)
SMIEEE, FIE, LMISTE
Former Professor, EEE &
Instrumentation Engg.,
MN National Institute of
Technology, Allahabad.



Mr Ved Prakash Sandlas
BSc (Hons) Physics,
B Tech (Hons)
Electronics & Electrical
Communication Engineering
(IIT Kharagpur) FNAE, FIETE
Formerly of ISRO and Chief
Controller R&D, DRDO



Prof. (Ms) Ajit Iqbal Singh
PhD, University of Cambridge (UK)
BA (H), MA (Maths)
University of Delhi
Honorary Scientist, Indian
National Science Academy, Delhi



Prof. Manoj Kumar Sinha
PhD, JNU Delhi,
LLM, University of
Nottingham (UK),
Director, Indian Law Institute,
New Delhi



Prof. Amitava Sen Gupta
PhD, MSc, BSc,
University of Delhi
Honorary Distinguished
Research Professor and
Mentor, RDIL

Keeping Exalted Company



*Late Dr. APJ Abdul Kalam, Former President of India at
THE NORTHCAP UNIVERSITY Campus, Convocation - 2011*



*Chief Guest Dr. Karan Singh, Hon'ble Member of Parliament at
THE NORTHCAP UNIVERSITY Campus, Convocation - 2014*



Mr Analjit Singh, Chairman, Vodafone and Max New York Life Insurance, Chief Guest, Convocation-Class of 2010



Mr Vikram Singh Mehta, Chairman, Brookings India, Chief Guest, Convocation-Class of 2011



Hon'ble Mr Justice AK Patnaik, Judge, Supreme Court of India, Chief Guest, Degree Distribution Ceremony - Class of 2012



Prof. D P Agrawal, Chairman Union Public Service Commission, Govt. of India, Chief Guest, Convocation-Class of 2013

School of Engineering and Technology

Expert teachers make a profound difference to students' learning outcomes by guiding, providing challenges and developing deep learning capabilities.

Our competent, high calibre and experienced faculty of national and international repute work dedicatedly towards our objectives. We have always focused and aimed that our students gain the technical skills and knowledge and can also stand well in the professional world with dynamism and passion.

The curriculum is well designed and reviewed by top academic experts from the leading universities of the country. It is regularly updated to incorporate the latest developments and breakthroughs in various fields

Special attention is given to providing practical orientation to the teaching-learning process by validating theoretical concepts through hands-on work.

Well designed and comprehensive student feedback and counselling systems are in place for tracking and monitoring outcomes.



“Physical infrastructure is the lever of higher education and faculty is the fulcrum.”

Pranab Mukherjee
Hon'ble President of India



Project Identification process

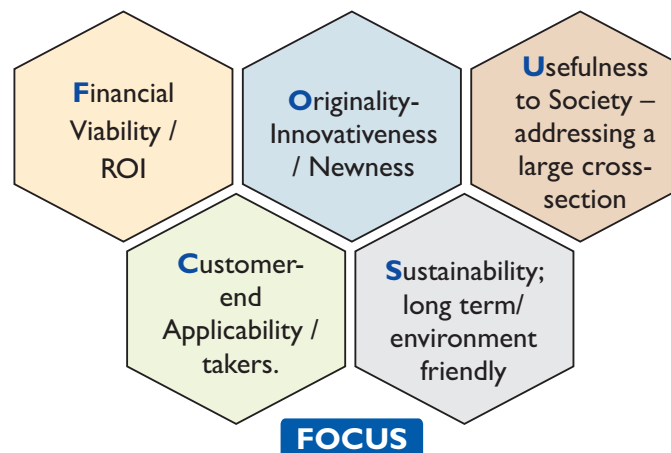
- The project coordinators of each department facilitate the potential project teams in filing their nominations for the Best BTech Project through an application form by 7th May each year.
- The application form consists of:
 - the title of the project, team, department and guide/s
 - a 300-word abstract of the content of the project
 - a 100-word write-up on the innovativeness of the project, and its impact on society at large.

Screening Process

- Within the first week of June, the project teams with members having a project GPA > 9 are identified. By 7th June, the shortlisted potential projects are shared for further pruning by the screening committee.
- A screening committee consists of:
 - the Director, SOET,
 - the HODs, and
 - the Dean and the Dy Dean Academics
- The screening committee screens the top 5 projects by 12th June for the Award Committee, based on:
 - the project report,
 - the two write-ups
- The screening guidelines (weightage) are:
 - Financial Viability – (15%)
 - Originality/Innovativeness – (25%)
 - Customer Acceptability – (15%)
 - Usefulness to Society – (25%)
 - Sustainability – (20%)

School of Engineering & Technology FINAL-YEAR PROJECTS

Key Elements Needed in the Best Projects



- Identifying the top three BTech projects is carried out by the award committee consisting of:
 - the Vice-Chancellor,
 - external expert/s,
 - Director, SOET,
 - Dean Academics
- The award evaluation process is carried out by the award committee on a specific date after the Major tests (around 15th June).
- Each project team make a presentation of 20 minutes to the Award Committee, followed with a 10-minute Q & A session.

Best Project Awards, 2014-15

The Best BTech Project Award Committee selected six projects, out of 22 student projects displayed at Technovation earlier. The projects were evaluated keeping in mind FOCUS – i.e. Financial Viability of the project, Originality-Innovativeness/Newness, Customer-end applicability/takers, Usefulness to Society. After a thorough analysis the Committee declared the following projects as the winners of Best BTech Projects for 2015:

1. 'Suraksha' by Nitish Aggarwal, Nishant Bharadwaj and Nishant Ahlawat, Dept. of EECE (Project Guide Ms Charu Rana)

2. 'Dexto: Eka: The Humanoid Robot' by Himanshu Vaswani, Yash Gupta and Sumit Gupta, Dept. of EECE (Project Guide Mr Sidharth Bhatia)
3. 'Development of Mix Design and study the strength and durability of self-compacting concrete with use of waste materials' by Shwetang Kundu, Sumit Ahlawat and Utsav Jain, Dept. of Civil Engg (Project Guide Ms Prachi Sohoni)

The remaining projects were awarded Certificate of Merit:

1. 'Signs-A Language Spoken by the dumb, heard by the deaf and seen by the blind' by Nikhil Shukla, Prateek Maheshwari and Nalen Anand, Dept. of CSE (Project Guide Mr Gaurav Aggarwal)
 2. 'Utilization of WTP sludge and tea waste in brick manufacturing' by Prashast Gupta, Rakesh Kumar and Rounak, Dept. of Civil Engg (Project Guide Ms Vaishali Sahu)
 3. 'Energy harvesting through footsteps' by Sumit Dalal, Tushar Kaistha, Vishal Sangwan and Vismith Varshney, Dept. of Mech Engg. (Project Guides Mr Anmol Bhatia and Ms Neha Bhatia)
- The Best Project students will be awarded during the Annual Convocation

The University facilitates the process of patenting the ideas, if found to be unique.



Prof. Ravindra Ojha
ME (Industrial Engineering & Management), Asian Institute of Technology, Bangkok
BTech, Mechanical Engineering, Regional Engineering College, Warangal (Gold Medallist)
Director, School of Engineering and Technology

Prof. Ravindra Ojha has a vast industry experience of 32 years in the Automobile sector in India. He started his career at Telco (currently, Tata Motors) Jamsbedpur, as a Graduate Engineer Trainee to build his shop-floor skills. He subsequently moved to the tractor industry and contributed technically and managerially to the growth of different manufacturing plants and corporate offices of Eicher. Prof. Ojha went up the corporate ladder to become the Managing Director of GKN Driveline, India, which has four world class manufacturing plants in India, two of which are his creation. GKN is a 250 year old multinational company from UK and is the market leader in India and the world, for driveline products. He was declared the Best Managing Director of the Asia Pacific region in 2008 and it was under his leadership that GKN won innumerable excellence awards from car manufacturing leaders like Maruti, Toyota, Tata Motors and Honda.

Prof. Ojha has a specialization in Industrial Engineering and Management and is presently pursuing PhD on the contemporary and relevant topic 'Modelling and analysis for manufacturing excellence in the Indian economy' at THE NORTHCAP UNIVERSITY (formerly ITM University, Gurgaon). Currently he is teaching Project Management, Quality Assurance and Reliability Engineering, Material Science, Industrial Engineering and Manufacturing Processes to scholars at NCU. He has 11 publications to his credit which includes two Best Paper awards in 1986 and 1988 by IIE, Mumbai. His research paper on 'Manufacturing Excellence and its critical factors – an interpretive structural methodology application' was recently selected as the 'Outstanding Paper of 2014' by the Emerald Group Publishing Ltd. (UK) and was published in the Journal of Advances in Management Research, Vol. 111, No. 3.

Prof. Ojha is enthusiastic about his new initiatives at the University such as enhancing industry engagement through workshops with industry experts, giving new shape to summer internships, greater thrust to major technical projects, value creating through the ASQ student chapter etc. To break down departmental boundaries and to enhance social interaction amongst faculty, administrative and technical staff, Prof. Ojha has introduced FunCU (weekend fun-a great way to bond), at the University.

Prof. Ravindra Ojha has delivered lectures at Cranfield University, UK, MDI, Gurgaon, and taken sessions on leadership development and Lean-Enterprise in various GKN plants in the Asia Pacific region. He has travelled extensively across the world and studied the world's best manufacturing plants of GKN. His areas of interest include Manufacturing Excellence, Lean Management, Project Management, Quality Assurance and Leadership. He has several national and international publications in these areas. His rich industrial experience has enhanced the depth of teaching-learning in the School of Engineering and Technology at THE NORTHCAP UNIVERSITY.

Message from the Director School of Engineering and Technology

With the Government's policy of 'Make in India' gaining momentum, the coming decade is of the manufacturing or product industry and THE NORTHCAP UNIVERSITY's School of Engineering and Technology aims to be at the forefront by producing highly skilled professionals ready to seize every opportunity and meet the increasing demand coming up in the near future. The leaders of our country are currently engaged in evolving strategies to make India a manufacturing hub of the region and the country's manufacturing sector will improve its share and become a larger revenue generator and a major employer of engineering graduates in the next few years. Even in the IT sector, product companies such as Google, Yahoo and Microsoft will lead in the recruitment arena.

There is a push for higher quality product/ service engineers and we are preparing our young graduates for this giant leap, which is now the theme of our University's logo. To this end we have modernized our curriculum in line with industry needs, mapping objectives to curriculum, teaching-learning, examinations etc.

Above all, we strive to produce innovators who have pioneered cutting-edge technology. The idea is not just to teach a specific technology, but an interdisciplinary approach to problem solving and we are focused on teaching, self-learning, to keep up with the break-neck pace at which technology is advancing. This ability is developed by stressing on the fundamentals and using loads of hands on project work, instead of just teaching about the theoretical aspects of technology. The core idea is that practical is an intrinsic part of theory, they are not separate courses. We are making our lab courses more rigorous by making them in consultation with industry experts with emphasis on real life problems thus integrating the theoretical and practical courses to ensure that students can connect the two aspects. Such technical graduates will not only be offered higher compensation but will also be offered greater job stability.

I am confident that together we will meet future challenges and soar to greater heights, where only sky is the limit.

Prof. Ravindra Ojha
Director, School of
Engineering and Technology



At THE NORTHCAP UNIVERSITY, the criteria for appointment, retention, tenure and promotion are designed to attract faculty of the highest calibre; faculty that continuously strive to enhance their knowledge and teaching effectiveness.

Events: Department of Electrical, Electronics and Communication Engineering



National Workshop on frontier technology topic 'MEMS Design, Technology & Application'



Workshop on PLC and SCADA conducted by SOFCON, a NSDC, Ministry of Finance, GOI



Mr Jeevan Talegaonkar, General Manager & Head Practice Business Operations, Ericsson India Pvt. Ltd delivering a Lecture



Mr Tanuj Sharma, Manager of Projects (Industrial Robotics) delivering a lecture on Applications & Utilization of Robots in Industry



Ms Astrid Placke delivering a talk on Perovskite Photoanode

Department of Electrical, Electronics and Communication Engineering



Prof. Swaran Ahuja
PhD, MTech, IIT Delhi
Senior Professor,
Head, Department of
Electrical, Electronics &
Communication Engineering,
Dean Academics

A distinguished scientist, Prof. Swaran Ahuja is renowned for his designs of Telecom products and systems. His chief area of specialization has been Wireless Communications and while working in the industrial sector, Prof. Ahuja handled several R&D projects related to Telecom and IT. A number of products and systems developed by him have been commercialized. A few examples are Radio Telephone Systems, Synthesized Land Mobile Radios, Radio Direction Finding Systems, Mobile Communication Systems, Wireless-based Data Acquisition and Processing Systems, Point-to-Point Microwave Systems, VSAT Systems and High Speed Radio Modems. Prof. Ahuja has worked with various industries including Avionics, Telecom and IT. Prof. Ahuja has also designed several large Telecom and IT projects with nationwide installations. His current areas of interest are Wireless LANs, Software-defined Radios, and Digital Signal Processing. Prof. Ahuja's research papers have been published in many leading international journals, and he has participated in and organized several technology conferences.



Dr Hemani Kaushal
PhD, IIT Delhi
ME, PEC University of
Technology, Chandigarh
Associate Professor

A keen researcher, Dr Hemani Kaushal has received several national and international awards for her contributions to research. She is the recipient of the Best Presentation award in the International Conference on Light held at NIT, Calicut, and was awarded on National Science Day at IIT Delhi. Dr Hemani Kaushal has completed a project with Aeronautical Development Agency and is currently working on a project (sponsored by the Indian Space Research Organization) with IIT Delhi for establishing ground to satellite and inter-satellite optical links. Her research interests focus on Optical Communication, Digital Communication and Free Space Optics and Hybrid RF/FSO Communication and her PhD is in the domain of Optical Communications. Dr Kaushal has 12 years of research and teaching experience. She has 27 publications in various international and national journals and conferences to her credit. She is a member of the Indian Society of Technical Education (ISTE), Institute of Electrical and Electronics Engineers (IEEE), USA and Optical Society of America (OSA), USA.



Geetu Lalit
MTech, YMCA
University of
Science and Technology,
Faridabad
Assistant Professor

Ms Geetu Lalit is a young faculty member who began her academic career at NCU (formerly ITMU) in January 2013. She has involved herself significantly in academic activities and research pursuits. Her current work focuses on Digital Signal Processing, Image Processing, Analog Electronics and Network Analysis. She has published three research papers, one in a reputed international journal and the other two in national journals, which she presented in conferences. She is currently working on Compressor Sensing. She is GATE, UGC-NET qualified.



Sidharth Bhatia
MTech, SRM University,
Chennai
Assistant Professor

Mr Sidharth Bhatia's areas of interest include Computer Vision, Augmented Reality and Embedded Systems. He did his graduation in Electronics and Communication Engineering and his MTech thesis was on 'Augmented Reality Repair Guidance System'. He has since guided 10 BTech students in various projects. He has published four research papers, mainly in the sphere of Computer Vision, in international journals and is currently pursuing PhD at NCU (formerly ITMU). Mr Bhatia has three years of teaching and two years of research experience.

“ Learning with the right attitude and working as a team with the positive spirit of innovation and creativity is very crucial for any organization or individual to grow.

Prof. Swaran Ahuja, HoD EECE



Dr Neeraj Kumar Shukla
PhD, Uttarakhand Technical
University, Dehradun
MTech, JK Institute of Technology,
University of Allahabad
Associate Professor

Dr Neeraj Kumar Shukla is a faculty with great potential and has extensive experience in teaching and research, with special interest in the semiconductor industry. He is a recipient of the Best Emerging Researcher award at NCU. Prior to joining NCU (formerly ITMU) he has worked with MITS University, BITS Pilani, and Design KOP Labs, and authored laboratory workbooks on Digital Electronics, Electronics Workshops, and PCB Design. He has vast experience in setting up new laboratories and updating labs with the latest tools and technologies. He is a member of professional bodies like ISTE, IE, IETE, etc. His fields of interest are Digital Design, RTL Design, Verilog HDL, Low-Power SRAM Design and Characterization. He has published 65 research papers in national and international conferences and journals.



Dr Rekha Vig
PhD, MTech, Narsee
Monjee Institute
of Management Studies
University, Mumbai
Associate Professor

A promising researcher, Dr Rekha Vig is MTech (Telecom), PhD (Image Processing), NMIMS University, Mumbai. Her research work included 'Hand-based Biometrics using Image processing techniques in transform domain'. She has worked on the project 'Bharatiya AFIS' at CDAC, Mumbai, Department of IT, Govt. of India. She has guided seven MTech dissertations and several BTech

projects. She is currently mentoring four PhD scholars in the area of Speech and Image Processing. She has published more than 20 research papers in various reputed international journals and conferences. She was awarded a travel grant by the Department of Science and Technology, Govt. of India, for presenting her research paper at the IEEE International Conference on Hand-Based Biometrics-2011, Hong Kong. She has also won the Best Paper award for papers in IJCA and IJCSIS. Besides industry experience of 1.5 years Dr Vig has over 17 years of teaching and six years of research experience. Dr Rekha Vig is associated with NCU (formerly ITMU) since January 2014.



Dr Nitin Malik
PhD, Jamia Millia Islamia,
New Delhi
ME, MITS, Gwalior
Associate Professor

Dr Nitin Malik is a budding scientist whose research interests include soft computing applications to Radial Distribution System Security Analysis, Optimization and Control. He carried out research in the field of Electric Power Systems and earned his PhD at the Department of Electrical Engineering, Jamia Millia Islamia, in 2014. He is the coordinator of the Doctoral Research Programme at THE NORTHCAP UNIVERSITY. He has 13 years of teaching and four years of research experience. He has published 16 research papers in national and international journals and conferences. Dr Nitin was appointed as an expert to design the curriculum in Engineering for the state of Jammu and Kashmir in 2005 and revised the syllabus of the Department of EECE, NCU (formerly ITMU) in 2013. He has guided 10 MTech dissertations and six MTech projects. He has been the Editor of the Department's magazine 'Livewire'. Dr Malik is a life member of the Indian Society of Technical Education and Systems Society of India. He has co-authored eight books, edited two books, co-edited three books and developed all laboratory manuals.

“ THE NORTHCAP UNIVERSITY is one of the best institutions to hone your skills and talents. You come in with Potential and leave with Expertise.

*Shubham Daura
ECE Class of 2017*



Dr Vinay Budhbraja
PhD, NJIT, USA
MTech, IIT Kanpur
Associate Professor

Dr Vinay Budhbraja is BTech (Electronics and Communication Engineering), MTech (Materials Science) and PhD in Electrical and Computer Engineering, New Jersey Institute of Technology, USA (2012). During his PhD (July 2008 - December 2011) he worked at the National Renewable Energy Laboratory (NREL) and NJIT (joint collaboration). He has also worked as a postdoctoral research fellow at the Department of Electrical Engineering, University of Arkansas, Fayetteville (February 2012 – August 2013; Sandia National Lab. (January 2014 – August 2014). His research interests include Semiconductor Devices, Microelectronics PV/SC. He has 21 papers published in journals and international conferences. His fields of research interests are Microelectronics, VLSI, Semiconductor Devices and Photovoltaics. Dr Vinay Budhbraja started his teaching career at NCU (formerly ITMU) in January 2015.



Lt Col Anil Kumar Nigam (Retd.)
MTech, IIT Kanpur
FIETE, AMIETE, ADM
Assistant Professor

A telecom professional, Lt. Col. Nigam (Retd.) has more than 37 years of experience in management of telecom projects and imparting telecom-related training and education. He has the unique distinction of being part of the core group for fielding a Static Packet Switching Network (ASCON) of national importance, and of having served with the Mobile Area Grid Mobile Communication networks. He has intensive work experience in telecom operations, which includes planning and management of Radio Relay, UHF, VHF and HF, Radio Systems, Satellites, Landlines, Packet Switching Networks, Multiplexing Systems, various types of Exchanges, and other diverse media. He has published two books, 'Work Smart not Hard', and 'Digital and Analog Communication', as well as a number of articles and papers, most of which have been presented at regional and national level conferences. He is pursuing his PhD at NCU (formerly ITMU) in the area of Wireless Communication and his research is on Cognitive Radio Network.



Anita Sharma
MTech, Rajasthan University
Assistant Professor

Prior to joining the field of education, Ms Anita Sharma worked in the telecom industry for eight years in companies like Crompton Greaves and Widescom. Her research interest is in the area of Wireless Communication with an active interest in Cognitive Radios, which is the topic of her PhD at NCU (formerly ITMU). Her MTech thesis was on the topic 'Control of appliances using a Telephone'. Ms Sharma has vast experience in the areas of Wireless Communication, Satellite Communication, Communication Systems and Engineering, in addition to Analog Electronics and Digital Electronics. She is teaching graduate and postgraduate courses and has eight years of teaching experience. She has guided several BTech and MTech projects. She has contributed significantly to the development of the Satellite Communication Laboratory, Analog Electronics Laboratory, Digital Communication Lab, Data Communication and Networks Lab for BTech students, and Advanced Digital Communication and Computer Communication Labs for MTech students, at the University. She is a life member of the Indian Society of Electronics Engineers. Two of her research papers were published in the International Journal of Current Engineering and Technology in 2014.



Ashu Gautam
MTech, Punjab Technical University,
Jalandhar (Gold Medallist)
Assistant Professor

A brilliant student, Ms Ashu Gautam was a Gold Medallist in her BTech and a Silver Medallist in her MTech. Her areas of specialization are Microprocessors, ANN, Control and Instrumentation related fields. She is coordinating the Mentoring Committee at the University along with senior colleagues and alumni, as well as the summer industrial training of the Department of EEECE. She has 10 years of teaching experience and is pursuing her interest in Instrumentation and Controls. She has made significant contribution to the development of Advanced Microprocessor Laboratory, Instrumentation and Measurement. She is a lifetime member of ISTE. Three of her research papers have been published in international journals.



Mandeep Singh
MTech, Sant Longowal Institute of Engineering and Technology,
Punjab Technical University
Assistant Professor

Mr Mandeep Singh's areas of interest include Electrical Machines, Instrumentation Control and Optimization Techniques. He is pursuing PhD at NCU in the area of Control Systems and his research is on 'application of control in power systems'. His research papers have been published / presented in international journals and conferences. He has contributed significantly to the development of laboratories and lab manuals at the University. He has seven years of teaching and three years of research experience.

Engineers develop their competence through education, training and experience and are able to function successfully at work using their knowledge, skills and attitude.





Charu Rana
MTech, Modi Institute of
Technology and Science,
Sikar, Rajasthan
Assistant Professor

A dedicated faculty member, Ms Charu Rana is passionately pursuing the sphere of VLSI Design. Her research interests focus on Analog and Digital VLSI Circuits, Advanced Microprocessors and Embedded Systems using Microcontrollers. Presently she is pursuing PhD at Jamia Millia Islamia, Delhi. She has mentored many MTech dissertations and several BTech projects. She has published 12 research papers in Indian and international conferences and journals. Ms Rana has seven years of teaching experience and is a member of IEEE. She is also the IEEE, and SEE faculty coordinator at NCU's Department of EECE. Ms Charu Rana is a coordinator of NCU's Scholar Scheme, IGATE Modular Courses, Online Tests, Outcome Based Learning and Students Achievements.



Naresh Kumari
MTech, Rajasthan
Vidyapeeth University
Assistant Professor

Ms Naresh Kumari is an expert in the field of Control System Engineering and is pursuing PhD in the same field at NCU. She has five years of research and 18 years of teaching experience at various reputed engineering colleges. She is keenly interested in the fields of Electrical Technology, Control Systems, Power Systems, Network Theory, Electric Drives and Intelligent Instrumentation. She has been a core member in the development of workbooks for various Electrical

Labs and for the designing of the undergraduate curriculum at the University. Ms Naresh Kumari's research papers have been published in reputed international journals and in the proceedings of national and international conferences.



Shaveta Arora
MTech, Punjab Technical
University, Jalandhar
Assistant Professor

Ms Shaveta Arora's expertise is in Instrumentation and Control Engineering and has more than 13 years of teaching experience at various reputed engineering colleges. She is keenly interested in the domain of Fuzzy Logic, Virtual Instrumentation, biomedical instrumentation, Digital Signal and Image Processing and is pursuing PhD in the field of Fuzzy Image Processing at NCU. She has contributed significantly to the development of laboratories and lab manuals of the Department. Her research papers have been published in national and international conferences and journals. Ms Arora has guided several BTech and MTech projects. She is a member of ISTE and IEEE societies.



Amanpreet Kaur
MTech, Maharshi Dayanand
University, Rohtak
Assistant Professor

Ms Amanpreet Kaur is deeply interested in the domain of Digital Electronics, Microprocessors, Digital Signal Processing, Wireless and Mobile Communication, Image Processing, and Optical Communication. She is guiding BTech and MTech projects and dissertations at the University. She has made significant contribution to the development of new laboratories and upgradation of existing labs. Ms Amanpreet is pursuing PhD at NCU (formerly ITMU). Her research focuses on Image Processing and Wireless Communication. Her research papers have been published in national and international conferences and journals. She has seven years of teaching experience at THE NORTHCAP UNIVERSITY and was a Star Performer in 2013-14. Ms Amanpreet is the Project Coordinator of the Department of EECE. Ms Amanpreet is a member of IEEE, SPIE and ISTE societies. She actively participates in extracurricular activities at the University. She is the editor of the Department's Magazine 'Livewire'.

“The faculty at NCU constantly upgrade themselves to new methods of pedagogy adopted in classroom teaching.



Arun Kumar - Alumnus
BTech, Class of 2001
Director - IRIS Engineers,
Gurgaon



Madhulika Arora
MTech, Kurukshetra University
Assistant Professor

Ms Madhulika Arora started her teaching career at THE NORTHCAP UNIVERSITY (formerly ITM University, Gurgaon) in August 2013, after completing MTech (Electronics & Communication Engineering) and specializing in Microelectronics and VLSI Design. She is GATE and UGC-NET qualified. Her research interest is in VCO based ADCs. Ms Madhulika is pursuing PhD at PEC University of Technology, Chandigarh.



Kusum Dangi
ME, Panjab University,
Chandigarh
Assistant Professor

Ms Kusum Dangi's research interests are in the domain of Computer Networks, Wireless Sensor Networks, Digital Image Processing and Biomedical Electronics and she is pursuing PhD in the field of Wireless Body Area Networks, at NCU (formerly ITMU). Ms Dangi has guided 10 MTech dissertations and several BTech projects. She is an active member of IEEE Society. She has eight years of teaching and more than three years of research experience. Ms Dangi is a founder of the Santulan Society at THE NORTHCAP UNIVERSITY (formerly ITM University, Gurgaon), which deals with confidence building and overall development of students and faculty.



NCU offers a complete experience - an exceptional education in an environment conducive to growing and maturing, not just intellectually, but personally and socially as well. This is truly a shining example of what education should be.

*Kashish Jhamb - BTech, Class of 2009
CEO, City Innovates Pvt Ltd*



Sharda Vashisth
Banasthali University
MTech, Rajasthan University,
Udaipur
Assistant Professor

An outstanding teacher, Ms Sharda Vashisth has consistently been recognised by the THE NORTHCAP UNIVERSITY (formerly ITM University Gurgaon), year after year: 'Best Teacher' award (2012-13), 'Star Performer' (2013-14), and in September 2015 she was honoured with the 'Best Teacher' award for the academic year 2014-15. She is keenly interested in the field of Digital Electronics and Signal Processing. She has 19 years of teaching and 11 years of research experience. Ms Vashisth has guided 20 MTech dissertations and several projects based on Signal Processing, Biomedical Electronics, Neural Networks and Microcontrollers. She has contributed significantly to the development of departmental laboratories at NCU. Her research interests include Digital Filters, S to Z Transformation Techniques, Multirate Signal Processing and Biomedical Electronics. She has several national and international research publications to her credit and is a lifetime member of ISTE. She has submitted her PhD thesis on the topic 'Design and development of bio-physical embedded systems for G-stress of an aircraft pilot' at Banasthali University.



Vandana Khanna
MTech, IIT Roorkee
Assistant Professor

Prior to joining THE NORTHCAP UNIVERSITY (formerly ITM University, Gurgaon) in 2009, Ms Vandana Khanna worked as Senior Design Engineer at Freescale Semiconductor Ltd and Motorola India Ltd, for six years. She worked on many projects in nanometer technologies like 130nm, 90nm and 65nm, and achieved three Bravo awards for best performance. Ms Vandana Khanna's areas of interest are Digital Electronics, Microprocessors, VLSI Design and Photovoltaic Cells. Presently she is pursuing PhD in the area of Photovoltaic Cells at NCU. She has guided many MTech dissertations and several BTech projects. Ms Vandana Khanna's research papers have been published in reputed international journals and in the proceedings of national and international conferences. She has worked for the development of various labs and design of curriculum at the University. Ms Vandana Khanna is a resource person who interacts with industry professionals and organizes value added courses related to IT and latest technologies for the students of the Department of EECE. She is also the coordinator of NCU's Peer-Tutor Scheme. She was a NCU Star Performer in 2013-14. She has six years of industry, six years of teaching and 3.5 years of research experience.





Sheila Mahapatra
MTech, Gandhi Institute of
Technology and Management
University, Andhra Pradesh
Assistant Professor

A self-motivated faculty member, Ms Sheila Mahapatra was the recipient of the Best Teacher award (2012-13) and was a Star Performer (2013-14) at NCU (formerly ITMU). Her expertise is in the area of Power Systems. She has in-depth knowledge of Power Systems, Power Electronics, Network Theory, Control Systems, and Electrical Machines and is currently pursuing PhD at NCU in the area of Control Applications in Power Systems and her research is on Facts Controller. She is a lifetime member of ISTE, & IEEE and is keenly focused on her interest in FACTS technology. She has vast experience in setting-up of Labs and updating them with latest tools and technologies. She was nominated as Joint Faculty with Dept. of CSE for her outstanding achievement and to contribute to the other Department as well. She has eight publications in international journals and conferences to her credit. Ms Mahapatra has eight years of teaching and five years of research experience.



Kashish Jhamb
MSc, University of Alberta,
Canada
Assistant Professor

A dynamic and enterprising faculty member, Mr Kashish Jhamb has received numerous awards and honours including the Outstanding Student Award, Queen Elizabeth II Graduate Master Research Scholarship, Queen Elizabeth II Graduate Doctoral Research Scholarship, and Alberta Graduate Research Scholarship, University of Alberta's GSA Ring Star Award. He holds MSc (Hons) in Electrical and Computer Engineering from the University of Alberta, AB, Canada (2011). From August 2009 to August 2011 he was a Research Assistant at the Microwave and Millimeter Wave Lab, Department of Electrical and Computer Engineering, University of Alberta, Canada. His current research interests include Miniaturized Multi-band Antennas, Design and Development of Miniaturized Microwave and Millimeter Wave Components, and Ultra-Wideband Transceiver Systems for Medical and Security Applications. His research papers have been published / presented in referred journals and conference proceedings. He has two years of research and teaching experience and he is an alumni of NCU (formerly ITM University, Gurgaon).



Meenakshi Yadav
MTech, YMCA University
of Science and Technology,
Faridabad
Assistant Professor

Ms Meenakshi Yadav is a promising young faculty. Her areas of interest are Low-power Designing Techniques in CMOS Technology and Hardware Description Languages. She graduated in Electronics and Communication Engineering (MDU, 2010) and in MTech (Very Large Scale Integration) she specialized in VLSI Design. One of her research papers was presented in an international conference and three research papers have been published in international journals. She is associated with NCU (formerly ITMU) since January 2013. She has three years of teaching experience.



Mona Aggarwal
MTech, Guru Gobind Singh
Indraprastha University, Delhi
Assistant Professor

Ms Mona Aggarwal's current research interests are in the domain of Optical Wireless Communication, Cooperative Communication and Indoor Visible Light, Mixed RF/FSO Communication Systems. She is BTech, Punjab Technical University, Jalandhar, and an MTech in Electronics and Communication Engineering. She has submitted her PhD thesis in ECE at Netaji Subhas Institute of Technology (NSIT), University of Delhi. She has more than 10 years of teaching experience at the under graduate level. She has published 20 research papers in international journals (IEEE, IET, WILEY etc.) and conferences. She is student member of IEEE. Ms Mona is associated with NCU since July 2015.

For the faculty, the mission is to make education an experience for the students, to convert theory into practice, and to prepare students for real-world situations and conditions. For the University, the aim is to create leaders in word, deed and principle who will take the nation and its people to the next level of progress and prosperity.



Shaifali Jain

MTech, Maulana Azad National Institute of Technology, Bhopal
Assistant Professor

Ms Shaifali Jain has keen interest in the field of Network Theory, Analog Electronics and Electrical Technology. Ms Jain qualified at the prestigious GATE exam with a 95 percentile score. She has worked with the Oriental Institute of Science and Technology, Bhopal and Gurgaon Institute of Technology & Management. Ms Jain has 10 years of teaching and one year's research experience. She has presented/published 12 research papers in conferences and reputed national and international journals. She has guided several BTech and MTech projects and is a lifetime member of ISTE.



Nitin Garg

MTech, Guru Gobind Singh Indraprastha University, Delhi
Assistant Professor

Mr Nitin Garg has had a brilliant academic record throughout and is a consistent performer. He qualified GATE in 2013 with 99.21 percentile and holds an MTech in Digital Communication. Mr Garg brings with him industry experience of around two years at Ericsson India Pvt Ltd., as an Engineer, where he handled projects of BSNL and Airtel. He is keenly interested in Optical Research and plans to do his research in the same field. He loves sports and plays the guitar and strikes the right chord with the new generation, on the campus. He has presented two research papers in international conferences.

*Well-designed and
comprehensive student feedback
and counselling systems are in
place for tracking and
monitoring outcomes.*



Pooja Sabherwal

MTech, Punjabi University,
Patiala
Assistant Professor

An experimentalist by nature, Ms Pooja Sabherwal is currently working on ECG Signal Analysis. She is pursuing research in the field of Signal Processing and her MTech thesis was on VHDL Modelling and Simulation of FFT/IFFT Processor. She has guided three MTech dissertations and several BTech projects based on VHDL Modelling, Microcontroller, Signal Processing. Ms Sabherwal has more than 10 years of teaching and three years of research experience. She has published several research papers in national and international conferences and journals. She is the recipient of the Best Paper award in ICEIT conference on 'Advance Mobile Communication and Networking' held in April 2015. She has contributed significantly to the development of the Department's laboratories and lab manuals. She is a life member of the Indian Society for Technical Engineers and an active member of IEEE Society and is currently pursuing PhD at THE NORTHCAP UNIVERSITY (formerly ITM University Gurgaon).



Naman Joshi

MTech, IIT Jodhpur
Assistant Professor

Prior to joining NCU (formerly ITMU) in July 2014, Mr Naman Joshi worked as a software developer in Hoppr (Y2CF Digital Pvt. Ltd), Gurgaon. He holds an MTech in Low Energy, Low Cost Semiconductor Devices. He did BE in Electronics and Communication Engineering at College of Technology and Agriculture Engineering (CTAE), Maharana Pratap University of Agriculture and Technology (MPUAT), Udaipur, Rajasthan. He has one year's industry and more than one year's teaching experience.



Nidhi Sharma

MTech, Panjab University, Chandigarh
Assistant Professor

Ms Nidhi Sharma is a specialist in Embedded System: PIC16C6x series and AT89C51 Microcontroller, Microprocessors and Communication Engineering and has guided various hardware projects based on microcontrollers. Ms Nidhi holds an ME in Electronics & Communication and her thesis was on, 'Reliability analysis of multistage optical interconnect networks for high speed multiprocessor systems'. She has authored several papers in national and international journals. Her broad area of research deals with Embedded Systems and recent trends in Image Processing. Her core competency is in MATLAB, Keil, Mplab, UMPS tools. Ms Sharma has seven years of teaching experience.





Jyothi Varanasi
MTech, NIT Warangal
Assistant Professor

Ms Jyothi Varanasi is a brilliant faculty member with over nine years of experience in teaching. She has been teaching Electrical Machines, Power Systems, Network Theory and Electric Technology at Delhi Technological University. Her strength is in software development and she has good command over software tools and languages. She has worked as a software developer in the industrial sector before joining academics. Her review papers have been published in national and international conferences and journals. Her areas of interest are mainly Power Systems, Electrical Machines, Power System Stability, Power Electronics and Control Systems. Ms Jyothi is pursuing PhD in the area of Renewable Energy at Delhi Technological University.



Rajesh Kumar
MTech, NIT, Kurukshetra
Assistant Professor

A bright student, Mr Rajesh Kumar qualified at the prestigious GATE exam with a 98.7 percentile and has cleared the All India written exam of Bhabha Atomic Research Centre (BARC)-2013. His research interest is in the field of Control Systems and Circuit Analysis. He served as a member on the Placement Advisory Committee of NIT, Kurukshetra. Mr Rajesh joined NCU (formerly ITM University, Gurgaon) in July 2013. Mr Rajesh is pursuing PhD at Netaji Subhas Institute of Technology, Delhi. He has two years of teaching experience.



Pankaj Rakheja
MTech, Maharishi Dayanand
University, Rohtak
Assistant Professor

Mr Pankaj Rakheja has done MTech in Electronics and Communications Engineering in DNA Cryptography in MATLAB. His fields of interest are Cryptography, Steganography, Microprocessor, Digital Signal Processing, Wireless & Mobile Communication, Integrated Circuits, Image Processing, and Optical Communication. Currently he is working on Cryptography and other recent trends using various simulators Qualnet, Opnet, NS-2 and MATLAB. Mr Rakheja is pursuing PhD in the domain of Image Processing at NCU (formerly ITMU). He has published about 20 research papers in international journals and conferences in the fields of telecommunication, cryptography and networking. He has four years of teaching and research experience.



Deepti Chahar
ME, Thapar University,
Patiala
Assistant Professor

Ms Deepti Chahar's core competency is in the area of Antenna Design and Computational Electromagnetics. She graduated in Electronics and Communication Engineering (MDU, 2010) and did ME in ECE. She has three publications, two in an international journal and one in an international conference, to her credit. She joined NCU (formerly ITMU) in July 2014. She is UGC-NET qualified.



Pavan Khetrapal
MTech, Guru Nanak
Dev Government
Engineering College, Ludhiana
Assistant Professor

Prior to joining NCU in January 2015, Mr Pavan Khetrapal was working with SISTec, Bhopal, as Associate Professor where he was rewarded and recognized for outstanding results and other contributions to the Department. He brings with him about two years of industry and nearly 14 years of teaching experience. He has published several papers in referred journals and international conferences. He has written a book entitled 'Power System Economics' for 8th Semester Syllabus, RGPV, Bhopal. His current research area includes Benchmarking, Reform and Policy Issues, Productivity Measurement and Stochastic Frontier Analysis. He is BE (Electrical Engineering), RGPV University, Bhopal and MTech in Power Engineering. He also holds a Diploma in Electrical Engineering, SV Government Polytechnic, Bhopal. He is currently pursuing PhD in the area of Benchmarking of Indian Electricity Distribution Utilities at Maulana Azad National Institute of Technology, Bhopal.

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qualified and experienced
faculty from India and abroad,
with extensive
research experience.*



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Since 1996, we have believed that academics truly make sense only when it is applied to some part of life. So, we try to groom our students in a manner that helps them develop passion for their subject and creativity in its application.

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With all this, we work towards our goal of bridging the gap between the classroom and the real world.



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Anjali Garg
MTech, Delhi Technological
University, Delhi,
Associate Professor

An outstanding student, Ms Anjali Garg was a University Topper in her MTech at Delhi Technological University. She has expertise in the domain of Control Systems and Machines and has many research publications in national and international journals to her credit. Her research interests include Network Theory, Power Systems, Fuzzy Logic and its applications. Presently she is working on a DST project funded for Rs 25.05 Lakhs. Her work has been appreciated and rewarded at THE NORTHCAP UNIVERSITY (formerly ITM University, Gurgaon). Ms Anjali has submitted her PhD thesis entitled 'Voltage Control of Induction Generator' at NIT, Kurukshetra. Ms Anjali has 20 years of teaching experience and has been associated with NCU (formerly ITMU) since 2000. She is a life member of the Indian Society of Technical Education. She has many research papers in the field of power generation and control using self-excited induction generator.



Saurabh Sachdeva
MTech, University of Delhi
Assistant Professor

At the forefront of designers of antennae systems for space applications, Mr Saurabh Sachdeva's experience is in the field of Antennae and EMT Theory. During his MTech, he did his final year project at Antenna Systems Group, Space Applications Centre, Indian Space Research Organization, Ahmedabad, on Design and Analysis of Reflectarray Antenna Using Aperture Coupled Patch Elements. The design was greatly appreciated and was proposed to be used for forthcoming satellites. His research interests are in the field of Microstrip Antennae, Reflectarray and Phased-Array Antennae, and Ultra-Wideband Antennae. He is pursuing PhD at Jamia Millia Islamia. Mr Sachdeva has four years of teaching and one year's research experience. He is an active member of the Hostel Committee at the University.



Events: Department of Computer Science & Engineering and Information Technology



Dr Puneet Agarwal, Principal Consultant & Head of Unit - Neurology, Max Super Specialty Hospital Saket, New Delhi



A special lecture on 'Signal Representation and Decomposition' by Prof. SD Joshi, IIT Delhi



Signing of MoU between NCU and VDoIT



IEEE International Conference on Computing, Communication and Automation



Mr Devender Pal Khari, CEO & Director, Business Development, DKOP Labs, Noida, interacting with students

Department of Computer Science and Engineering and Information Technology



Dr Latika Singh
PhD, National Brain
Research Centre,
Gurgaon
MIT, GJU, Hisar
Associate Professor and
Head, Department of CSE & IT

Dr Latika Singh is Head, Department of CSE & IT. For her outstanding performance THE NORTHCAP UNIVERSITY honoured her with the Best Teacher award 2015. She specializes in Speech Signal Processing and Data Sciences. She has more than eight years of experience in teaching and research. She has contributed 13 research papers in national and international journals, 15 papers in conferences, convened one IEEE international conference and one national level workshop. She was Principal Investigator of one DST funded project and co-investigator of AICTE funded project. She is guiding six PhD students and has guided 12 MTech dissertations (one jointly with ITB, Ireland). She is a member of the Computer Society of India, Association for Computing Machinery (ACM) and Indian Academy of Neurosciences.



***Education is not the
filling of a pail but the
lighting of a fire.***

William Butler Yeats



Prof. Prabha Sharma
Post-doctoral Fellow,
University of Florida, USA
PhD, Northwestern
University, USA
MA, University of Delhi
Distinguished Professor
Emeritus

Prof. Prabha Sharma is an AICTE and UGC Emeritus Fellow, Department of Mathematics and Statistics, IIT Kanpur. She has a long and illustrious career of 39 years of teaching and research at IIT Kanpur. Professor Sharma has guided seven PhD and two MTech theses at IIT Kanpur. She has 16 research publications in refereed national and international journals. She has been a referee for international journals such as Algorithmica, Journal of Heuristic, Naval Research Logistics Quarterly, and European Journal of OR. Her areas of research are Combinatorial Optimisation, Design and Analysis of Algorithms for Hard Combinatorial Optimisation Problems, Computational Neuroscience. She has prepared two NPTEL video lecture courses which are now available on You Tube named Linear Programming and its Extensions; Probability Theory and its Applications. Professor Prabha Sharma has 46 years of research and teaching experience and has actively participated in national and international conferences by chairing sessions and presenting research papers. She has recently been selected as a Member of the Central Council of the Operational Research Society of India as well as a member of its Editorial Board.



Prof. Naveen Prakash
PhD, IIT Delhi
BSc (Engg.) Delhi
College of Engineering
Sr Professor

An exceptional educationist, Prof Naveen Prakash graduated in Electronics Engineering and is a PhD in Computer Science from IIT Delhi. He has about 42 years of experience in research and teaching including industrial R&D. He has been a visiting professor at the University of Paris, Sorbonne, and the University of Toulon du Var. Professor Prakash has delivered lectures in many countries in Europe (France, UK, Switzerland, Belgium), Japan, Canada, Tunisia, Syria, Egypt etc. He is a member of Programme Committees of over 100 international conferences and has chaired five of them. He is a member of the Editorial Board of the Requirements Engineering Journal, Springer and of IJISMD, IGI Global. He has published over 60 papers in international conferences/journals.

Prof Prakash has provided educational consultancy to the Asian Development Bank project in Sri Lanka and the African Development Bank project in Tanzania. He has also been a consultant for Detailed Project Reports for over 20 educational institutions in India. His consulting services have been used in World Bank projects as well as by UNDP and others. His current research interests are in Requirements Engineering for Data Warehouses, business rules for Business Modelling, developing Information Systems for the Internet.





Prof. Meena Kumari
PhD, MSc,
University of Delhi
Professor

Prof. Meena Kumari has 37 years of distinguished experience in research and development at the prestigious DRDO, Ministry of Defence. As a Divisional Head at DRDO she has guided, supervised and monitored research in the interdisciplinary field of cryptology of over 80 scientists working in the field of Mathematics, Computer Science and Electronics. As Scientist 'G' and Head of R&D Division, she has led research groups in the area of Mathematical Analysis of Crypto Algorithms, Solvers for Regional Language based Cipher, Black Box Analysis & Reverse Engineering of Machine Ciphers, Traffic Analysis, Steganography and Security Assessments of Networks. In her capacity of Group Head she led research on two latest crypto primitives sigma LFSR & TSR and to develop new crypto primitives. She has designed PC based off-line Text Cipher System, besides many other advanced systems and software.

Prof. Meena Kumari had been a member of Technology, Product & Management Council at DRDO. She is a consultant to DRDO and IGNOU and is working on the boards of various Scientific and Research Organizations. Prof. Meena Kumari has supervised various MTech/MS and PhDs of scientists and students in her brilliant career of over three and a half decades. She has written a large number of research papers and developed various softwares of significant usage. She received the Commendation Certificate from the Scientific Advisor to Defence Minister for her significant contribution in the area of 'Stream Ciphers' in 1988.

She has been associated with THE NORTHCAP UNIVERSITY (formerly ITM University, Gurgaon) since July 2013. Presently she is teaching Network Security & Cryptography and Applied Cryptography to MTech and BTech students and guiding PhD scholars at the University.



Dr Supriya P Panda
PhD, MS, BGSU, Ohio, USA
MSc, IIT Kanpur
Associate Professor

Dr Supriya P Panda's scholarly interests range widely from Algorithms, Soft Computing, Software Engineering, TOC, to Modelling and Simulations. She has 29 years of impressive experience ranging across varied academic institutes of repute in India. She started her career in 1990 at BITS, Pilani, and continued for 10 years in the Department of Computer Science. Subsequently, she has worked as Dean, Academics, at SETP (ASIAN CERC), MREC, Jaipur, for one year; an Associate Professor at the Dronacharya College of Engineering, Gurgaon, for two years and then as a Professor at School of IT, IIMT (Oxford Brookes University, UK), Gurgaon, for eight years. Dr Panda has five years of experience as a Teaching Fellow at Bowling Green State University (BGSU), Ohio, USA, during her MS and PhD. She was in the Dean's list at BGSU and given the Best Teaching Fellow award. She has guided over 50 BTech and 10 MTech students in her career span across various organizations. She has published several papers, of which four are in reputable international journals.



Deepti Gaur
PhD, Banasthali University,
Rajasthan
MTech, BIT- Mesra, Ranchi
MSc, Rajasthan University
Associate Professor

Dr Deepti Gaur's research interests are in the area of Metagraphs, Fuzzy Metagraphs and Data Mining. Her PhD thesis was entitled

'Theory of Metagraphs and its applications for Rule Based Systems'. She has published more than 25 papers in international peer reviewed journals, international and national conferences. She is an editor and reviewer of several international journals and conferences. Presently she is teaching Neuro-Fuzzy Systems and Soft Computing, Data Structures and Algorithms and Data Base Management Systems. She is currently mentoring five PhD scholars at the University. Dr Deepti has 16 years of teaching and research experience.



Dr Prachi Ahlawat
PhD, MTech,
Banasthali University,
Rajasthan
Associate Professor

Ms Prachi Ahlawat is a specialist in the field of System & Network Administration, Computer Network, Network Programming, Fundamentals of Computer Programming and Object oriented programming with C++. Ms Prachi recently completed PhD in the area of Wireless Sensor Network at Banasthali University, Rajasthan in 2014. She is an MTech in Computer Science and Engineering at the same University, with honours. She has completed three live projects with ST Microelectronics, Greater Noida, on C#.NET. She has six years of teaching experience at both postgraduate and undergraduate level. She had guided five MTech theses and eight BTech Projects. She has authored 20 refereed articles, nine of which are in peer reviewed, reputed international journals indexed in international databases and 11 in IEEE and Springer indexed international conferences. Ms Prachi is certified in Usable Security and Software Security, University of Maryland and member of the team responsible for setting up of the CISCO Academy at NCU.



Dr Akansha Singh
PhD, IIT Roorkee
MTech, Sobhit University
Associate Professor

Dr Akansha Singh recently completed PhD in the field of Digital Image Processing. She is enthusiastic about further research in the same area. She has authored a number of books for UG Engineering courses and co-authored chapters in two books: Advances in Energy Aware Computing and Communication Systems (McGraw Hill); Quality, Reliability, Security and Robustness in Heterogeneous Networks (Springer Berlin Heidelberg). Her research papers have been published/ presented in national and international journals and conferences. She has been a reviewer of several conferences and journals including Elsevier Journal of Computer Vision and Image Understanding. She has five years of teaching and four years of research experience. She is associated with NCU since July 2014.



Dr Usha Batra
PhD, Banasthali University
MTech, Rajasthan
Vidyapeeth University
Associate Professor
& Associate Head,
Dept. of CSE&IT

A brilliant student, Dr Usha Batra is a University Rank Holder in her BTech and was awarded the Silver Medal by MDU, Rohtak. She is a specialist in Enterprise Application Integration combining knowledge of AOP, Java and web services under the umbrella of software engineering. Dr Batra has guided a number of projects at PG and UG levels. She was the Chief Editor of IEEE LACC 2014 Conference and a reviewer of Elsevier's International Journal and CSI Conference. She was a convener of a special session on Enterprise

Application Integration at IEEE Conference. Prior to joining NCU, she worked as a Lecturer at Jaypee University, Noida. She has more than 12 years of teaching and eight years of research experience. She has published and contributed more than 25 quality papers in international referred journals, conferences and as book chapters. Dr Batra completed PhD at Banasthali University in 2014 on 'SOA based Healthcare Data Interoperability'.



Dr Vijendra Singh
PhD, MTech, Birla Institute
of Technology, Mesra, Ranchi
Associate Professor

Dr Vijendra Singh's research interests include Data Mining, Pattern Recognition, Image Processing, Big Data and Evolutionary and Soft Computation Bioinformatics and he has more than 30 scientific papers in this domain. He has two years of IT industry and 12 years of teaching experience. He was selected for Who's Who in Science and Engineering, 2011. Vijendra is a Member of ISTE India, IEEE, and ACM. He is a Programme Committee Member of several reputed international conferences like IEEE conference and is a member of the editorial board and reviewer of various international journals like BMC Bioinformatics, Springer, Journal of Next Generation Information Technology, Korea etc.



Richa Chhabra Sidana
MTech, PEC Chandigarh
Assistant Professor

Prior to joining NCU in July 2015, Ms Sidana worked with EDIFECs, a US Based healthcare company as an Associate (Software Engineering). Her areas of interest are in the domain of Cloud Computing, Cluster Computing and Computer Architecture. Presently she is supervising two BTech and one MTech project. She has two years of teaching experience. She is GATE qualified.



Deepak Satyarthi
MTech, MCA, Maharshi
Dayanand University,
Rohtak
Assistant Professor
(Systems)

Mr Deepak Satyarthi's areas of interest include Software Engineering, Software Testing, Project Management and Networking. He is an MTech in Software Engineering as well as an MCA, MDU, Rohtak. He also heads NCU's Server Room. He has over 13 years of teaching and three years of industry experience.



Over the years we have developed a 'sui generis' methodology that bridges the gap between the theoretical and practical concepts of Computer Science while maintaining the roots with the core.

*Dr Latika Singh,
HoD, Dept. of CSE&IT*





Gaurav Aggarwal
MTech, Kurukshetra University
Assistant Professor

A young and dynamic assistant professor, Mr Gaurav Aggarwal's expertise is in the domain of Computer Graphics and Java. He attended the IT&T International Conference, 2012, held at Cork, Ireland, and presented two research papers and one poster, doing NCU proud. He is pursuing his PhD in Speech Signal Processing at NCU (formerly ITMU). He has one year's industry, four years of research and six years of teaching experience.



Dr Divya Sharma
PhD, MTech,
Kurukshetra University
Assistant Professor

Dr Divya Sharma is a product of the Kurukshetra University from where she holds BTech (Hons), MTech and PhD degrees. Her doctorate research was in the domain of Mobile Ad Hoc Networks at Kurukshetra University. She specializes in Mobile Communication, Advance Computer Networks and Cloud Computing. She has 15 national and international research publications to her credit. She is a certified CCNA instructor and is certified by Johns Hopkins University in 'Data Scientist Tool, Exploratory Data Analysis and Getting and Cleaning Data'. She is a member of the team responsible for setting up of CISCO academy at NCU. She has seven years of teaching experience at both postgraduate and undergraduate levels and a short span of industry experience.



Hitesh Yadav
MTech, Maharshi
Dayanand University,
Rohtak
Assistant Professor

Ms Hitesh Yadav is a teacher with great potential. Presently she is pursuing PhD in the area of Software Engineering at NCU. She has published three research papers in national and seven international conferences and three have been published in international journals. She has guided five BTech projects and three MTech Projects. Her special interests include vocal music and dramatics. She is a certified CCNA instructor.



Meghna Sharma
MTech, Guru
Jambheshwar University
Assistant Professor

Prior to joining NCU (formerly ITMU), Ms Meghna Sharma worked as a scientist/engineer in SC Controls system Group ISRO Satellite Centre, Bengaluru. She is a recipient of the Science Award conferred by the Government of Haryana in 2007. Her research interest centres on Data Mining, DBMS & Machine Learning. She has 13 years of teaching and 1.5 years of industry experience. She has 17 papers published in international and national conferences and 15 papers in international journals. Ms Meghna is pursuing PhD in the field of Data Mining at YMCA University, Faridabad. She is a member of Association of Computing Machinery (ACM) and Special Interest Group of Knowledge Discovery Databases of ACM.



Jyotsna Singh
MTech, Kurukshetra
University
Assistant Professor

Ms Jyotsna Singh is a dedicated assistant professor in the field of Computational Neuroscience. Prior to joining THE NORTHCAP UNIVERSITY (formerly ITM University Gurgaon) Ms Jyotsna Singh was teaching at NIT Kurukshetra. She is pursuing her PhD in the same field at NCU. Ms Jyotsna has published 11 research papers in national and international journals of repute. She has filed two patents on 'Smart Refrigerator' and 'Wireless Mobile to Mobile Charger'. She is currently working on the research project 'A Computational Model for STN (Sub Thalamic Nucleus) in Parkinson Disease to Investigate the Discharge Patterns'. This project is funded by DST under CSRI (Cognitive Science Research Initiative). She has guided 10 MTech dissertations. She is passionate about organizing recreational and educational trips and is the Activity Coordinator under NSS. Her contributions to the upliftment of underprivileged children have been lauded. Ms Jyotsna Singh has 13 years of teaching and over two years of research experience.

**“ The key is not to
prioritize what's on your
schedule, but to schedule
your prioritise.**

Stephen Covey



Jagdeep Kaur
MTech, Punjabi University,
Patiala
Assistant Professor

Ms Jagdeep Kaur is keenly interested in the domain of Software Engineering and Artificial Intelligence. She has seven years of experience teaching UG and PG students at university and college level and has guided several BTech and MTech projects. She is pursuing PhD in Component-based Software Engineering at Gautam Buddha University, Greater Noida. She has published 10 papers in international journals and presented five papers at various national and international conferences.



Suman Bhatia
MTech, MSc, (Gold Medallist)
Guru Jambheshwar
University of Science
and Technology, Hisar
Assistant Professor

Ms Suman Bhatia was awarded the Gold Medal for her outstanding performance in MSc (IT) by Guru Jambheshwar University of Science and Technology, Hisar. She has more than nine years of teaching and five years of research experience. Her core competency is in the areas of Computational Neuroscience, Operating Systems, Network Security and UML. She has published several research papers in national and international journals. She is currently pursuing PhD at NCU and the topic of her thesis is 'Modelling Action Potential Propagation in Axon Using Fluid Dynamics Approach'. Presently she is teaching Software Project Management and Linux Operating Systems to UG students at the University.



**THE NORTHCAP
UNIVERSITY to me is
synonymous to a perfect
amalgamation! An
amalgamation of knowledge,
quality, talent, class and
invaluable expertise.**

*Vidhi Sachdeva,
BTech, Class of 2002
Consultant, Deloitte*



Shilpa Mahajan
ME, PEC University of
Technology, Chandigarh
Assistant Professor

A committed researcher, Ms Shilpa Mahajan specializes in Computer Networks, Data Structures, Operating System and Mobile Computing. She is CISCO Academy Instructor for NCU and has made significant contribution in the setting up of the CISCO Lab at the University. She is a certified CCNA instructor and is certified by Johns Hopkins University in 'Data Scientist Tool, Exploratory Data Analysis and Getting and Cleaning Data'. Ms Shilpa submitted her PhD thesis in the area of Wireless Sensor Network at Guru Nanak Dev University, Amritsar. She has nine years of teaching and five years of research experience. She has guided nine MTech theses and 12 BTech projects. She has published 27 research papers of which 13 are in peer reviewed reputed international journals and 12 in IEEE and Springer indexed conferences. She is a lifetime member of ISTE.



Anil Kumar Mishra
MTech (Software Engineering),
Maharshi Dayanand University,
Rohtak
Assistant Professor

Mr Anil Kumar Mishra is presently the Chairman of the Industry - Institute Interaction Cell at NCU. He has published several papers in national and international journals. He is pursuing PhD in the field of Ubiquitous Software Projects at NCU. His areas of interest include Software Engineering, Software Metrics and Software Project Management and Ubiquitous Computing. He is regularly invited as a panelist on live talk shows on national TV, as an expert. He is a veteran of over 16 years of teaching, 10 years of research and two years of industry experience.



Supriya Raheja
MTech, Guru Jambheshwar
University of Science
& Technology, Hisar
Assistant Professor

Ms Supriya Raheja is an expert in the field of Fuzzy Logic and Vague Logic. She has submitted her PhD thesis in the same field. She has several research papers published in reputed international journals and conferences. She has guided 10 MTech theses and has seven years of teaching and four years of research experience. She is a member of the editorial board of various journals and is the editor of the Department's magazine 'Reflection'. Ms Supriya is the faculty coordinator of Intranet project 'NCU Connect' and is also coordinating FOSS Community at NCU.





Dr A Charan Kumari
PhD, Dayalbagh
Educational Institute & IIT-Delhi
MPhil, Bharathidasan
University, Tiruuchirapalli
MCA, Andhra University
Assistant Professor

A faculty with great potential, Ms A Charan Kumari is MCA, Andhra University, where she stood First in the District. She recently completed PhD in Computer Science (Dayalbagh Educational Institute, Agra, in collaboration with IIT Delhi). She has 13 years of teaching experience in various institutions and has received accolades including the Best Teacher award at DL Reddy College, Andhra Pradesh. She has more than five years of research experience and her current research interests include Search-based Software Engineering and Optimization using metaheuristic search techniques. She has published papers in international conferences and journals. She is a life member of Systems Society of India (SSI).



Anuradha Dhull
MTech, ITM Gurgaon
Assistant Professor

Ms Anuradha Dhull is a brilliant student who completed her MTech (CSE) with distinction. She is pursuing PhD in Data Mining at NCU. Her core competency is in Database, Data Mining and Data Structure. She has published more than 20 research papers in international journals/conferences. She is ANIIT certified professional from NIIT and has also earned Microsoft certification in SQL Server. She has six years of teaching and more than four years of research experience. She is an active reviewer of IEEE and Springer conferences. She is a member of the Computer Society of India and Association for Computing Machinery (ACM). She has supervised six MTech theses/ dissertations and several BTech projects. She actively participates in various FDPs/workshops/seminars organized by reputed organizations such as IIT Delhi, JNU, DTU etc.



Jyotika Pruthi
MTech, Banasthali
University, Rajasthan
Assistant Professor

A versatile young faculty, Ms Jyotika Pruthi has won many awards, including 'Interscience Young Investigator Researcher' award for the best paper and best poster presentation and won IET, UK PATW computation from Delhi Zone. She has demonstrated her projects at Miranda House, University of Delhi. Her areas of interest include Digital Image Processing, Biomedical Engineering, Neural Networks, Artificial Intelligence and Soft Computing. She has published nine research papers, one in an international journal and eight in international conferences including IEEE (London) and Springer (Las Vegas, USA). She has keen interest in research and is pursuing PhD in Image Processing at NCU. Her special interests include creative writing and dramatics. Processing at NCU.



Geetika Munjal
MTech, Guru Nanak Dev
Engineering College, Ludhiana
Assistant Professor

Ms Geetika Munjal's core competency is in the domain of Computer Architecture, Software Engineering, E-Business, C-Programming, E-Commerce and ERP. She is pursuing PhD in the field of Data Mining at NCU. She has authored nine research papers in various international journals and conferences including IEEE. She has seven years of teaching and four years of research experience. Ms Geetika is a lifetime member of ISTE.

*We aim to perform all duties
with a view to fostering a
culture of excellence and high
quality in all we do.*



Sonal Gahlot
MTech,
ITM University (now NCU), Gurgaon
Assistant Professor

Ms Sonal Gahlot is keenly interested in the field of Software Engineering. She joined the University in July 2014 and brings with her two years of teaching experience. She has four research publications in Indian journals to her credit and is working on her PhD at Maharshi Dayanand University, Rohtak. Presently she is teaching Data Structures and Algorithms using C++ and Cryptography and Network Security.



Gopika S
MTech, Cochin University
of Science & Technology
Assistant Professor

Ms Gopika S is associated with NCU since January 2014 and is actively involved in teaching Communication Theory, Programming Course on Advanced Java, Theory of Computation, Programming in C, Computational Linguistics, Human Computer Interaction, Design of Real Time/ Embedded Systems. She has presented four research papers at national and international conferences and has more than two years of teaching experience. She is UGC-NET and GATE qualified.



Neha Sahu
MTech, Manav
Rachna University,
Faridabad
Assistant Professor

Ms Sabu is keenly focused on developing skills in MATLAB and Neural Network. She is trained in Pattern Matching at HCL, Noida. She is a member of the IEEE Society and has contributed to its growth at NCU. Her areas of interest include Artificial Intelligence and Image Recognition. She has published six research papers in international journals and presented two in international conferences. She is interested in clay modelling and various innovative tools of learning.

“The best part of being a student at THE NORTHCAP UNIVERSITY is that you get lots of opportunities to grow, apart from studies.

*Shikher Jandyal
BTech 3rd Year CSE,
Class of 2017*



Dr Yogita Gigras
PhD, MTech,
Banasthali University
Assistant Professor

Dr Yogita Gigras is keenly interested in the areas of Analysis and Design of Algorithms, Object Oriented Programming, Operating System, Computer Networks, and Soft Computing. Dr Yogita is an expert auditor of ISO 9001:2008. She is a product of Banasthali University, where she did MTech and recently completed PhD in Soft Computing. She has authored 10 international research publications. She has one year's industry, five years of research and six years of teaching experience.



Neeti Kashyap
MTech, GGS Indraprastha
University, Delhi
Assistant Professor

Neeti Kashyap is an enthusiastic young teacher working on her PhD at NCU (formerly ITMU) to become an expert in the field of Software Engineering. Ms Neeti has deep interest in the field of Mobile Ad Hoc Network Routing Protocols. She has presented one research paper in an international conference and five have been published in international journals. Ms Kashyap has guided five MTech theses and five BTech projects. She has five years of teaching experience.



Sujata
MTech, Maharshi
Dayanand University Rohtak,
MSc, Kurukshetra University
Assistant Professor

Ms Sujata's areas of interest include Software Engineering, Software Quality, Testing and Cloud Computing. She holds an MTech in Software Engineering and is pursuing PhD in Software Engineering at Banasthali University. She has two years of industry and more than six years of teaching experience. She has served as Technical Reviewer in various international journals and IEEE conferences. Ms Sujata has published 14 papers in national and international journals and conference proceedings. She has guided nine MTech projects and 16 BTech projects. She has prepared the Laboratory Manuals for Software Engineering, Object Oriented Software Engineering, Unified Modeling Language, Software Project Management, Programming in Java and Matlab and Introduction to Databases.





Sandeep Singh
MTech, Jawaharlal Nehru
University, Delhi
Assistant Professor

Mr Sandeep Singh started his career as an instructor in a computer consultancy firm. He has guided MTech theses in the area of Parallel Computing, Soft Computing and Cognitive Neurocomputing. His research papers have been published in national journals and conferences. His expertise is in the areas of Cognitive Neurocomputational Modelling, Simulation of Mathematical Models and Computer Networks. Mr Sandeep Singh is pursuing PhD in the field of Computational Modelling of Tumor Growth and Treatment at NCU (formerly ITMU). He has 13 years of teaching experience.



Mehak Khurana
MTech, GGSIP, Delhi
Assistant Professor

Ms Mehak Khurana is a dedicated teacher and brings with her more than three years of teaching experience as an Assistant Professor. Her key areas of interest are Cryptography, Information Security, Cryptanalysis and Cyber Security. She is pursuing PhD in the field of Information Security and Cryptography at NCU. She has contributed papers in international journals and conferences. She is a lifetime member of Cryptology Research Society of India (CRSI).



Poonam Sharma
MTech, Thapar University
Assistant Professor

Ms Poonam Sharma is actively involved in teaching Discrete Mathematics. Prior to joining NCU (formerly ITMU), in July 2014, she was teaching at Sharda University, Greater Noida for two years. She has two research publications, one in an international conference and the other in a journal. She is GATE and UGC-NET qualified.



Rita Chhikara
MTech, Bhai Maha Singh
College of Engineering,
Punjab Tech. University
MBA-IT, Sikkim and Manipal
University
Assistant Professor

A self-motivated faculty, Ms Rita Chhikara's research interests include Image Processing, Data Mining and Machine Learning and she is working on her PhD in Data Mining at NCU. She has published 17 research papers in peer-reviewed international journals of repute and presented four in national and international conference proceedings. She has guided nine MTech theses and six BTech projects. She is the University's ERP Coordinator and Member Secretary of Academic Review Committee. She is a reviewer for IJCSIS, lifetime member of ISTE and member of ACM and IEEE. She has about 14 years of teaching experience. She was the session chair for IEEE conference, ISMS 2015 held at Kuala Lumpur, Malaysia. She was a NCU Star Performer in 2013-14.



Sumanlata Gautam
ME, PEC University of
Technology, Chandigarh
(Gold Medallist)
Assistant Professor

An outstanding student, Ms Sumanlata Gautam is an ME (CSE) PEC Chandigarh (2007) with a CGPA of 9.8 (Gold Medallist). She has experience in diverse areas of industry and teaching. She has worked in Siemens Information Systems Ltd for two years on Dot Net technologies. She is keenly interested in Speech Signal Processing. She has more than five years of teaching experience. Her research papers have been presented / published in various national and international conferences and journals. Ms Sumanlata is currently pursuing PhD in the area of Speech Signal Processing at NCU. She is GATE qualified.



Neha Goyal
MTech, Manav Rachna College
of Engineering, Faridabad
Assistant Professor

Ms Neha Goyal is keenly interested in the areas of Bioinformatics and Data Mining and is pursuing PhD in the same field. She holds a BTech, MDU, Rohtak and MTech, Manav Rachna College of Engineering, Faridabad. She has over four years of teaching experience. She has published 13 papers in international and national journals. She has guided three BTech projects and is presently guiding two BTech Projects and two MTech theses. Ms Neha is associated with the University since August 2014.

Events: Department of Mechanical Engineering



Conference on Emerging Trends in Mechanical and Industrial Engineering-ICETMIE-2015



Mr Ritesh Garg, Founder and Director of 'I For Nation Foundation', delivering a lecture on 'Empowerment through Enterprise'



Guest lecture by Mr Sudam Maitra, Dy MD, IFB and Former Chief Operating Officer - Supply Chain, Maruti Suzuki India Ltd.



Nitin Gupta, Senior Engineer, Samsung Engineering India Pvt. Ltd addressing the students



Mechanical Engineering Students at JBM Ltd.

Department of Mechanical Engineering



Dr Pramod Bhatia

PhD, Purdue University, USA
MS, University of Illinois,
Chicago, USA
Associate Professor
& Head, Department
of Mechanical Engineering

Dr Pramod Bhatia is the Head of the Department of Mechanical Engineering. Prior to joining THE NORTHCAP UNIVERSITY (formerly IITM University Gurgaon), Dr Bhatia worked as a consultant in USA for two years. Dr Bhatia is actively involved in teaching Combustion and Flames, Heat Transfer, Thermodynamics, Fluid Mechanics, Fluid Machines, Hydraulics and Pneumatics, Introduction to Mechanical and Production Engineering, and Basics of Mechanical Engineering. His areas of specialization are Computational Fluid Dynamics and Combustion. He has 20 national and international publications to his credit and is currently guiding six PhD scholars. Dr Pramod Bhatia has three years of industry, ten years of teaching and research experience.



Prof. JK Gera
MBA, FMS,
University of Delhi,
MTech, IIT Delhi
Emeritus Fellow

Prof. JK Gera is BTech (Mechanical Engineering), MBA, FMS, University of Delhi (Delhi College of Engineering) and MTech, IIT Delhi. Following his premature retirement from the Indian Air Force (LAF) after 24 years of meritorious service, Prof. JK Gera joined the Department of Mechanical Engineering at THE NORTHCAP UNIVERSITY (formerly IITM University Gurgaon) in April 1979. During his tenure with the LAF, he served as Deputy Director at Air Headquarters, responsible for the maintenance of Russian aircraft support vehicles and equipment. Among other senior appointments, he was Officer-in-Charge, responsible for the overhaul of aero engines and components at the Base Repair Depot. He has also undertaken research work at IIT Delhi on Reliability and Maintainability Analysis of Aircraft Systems and Components, based on the Reliability Centred Maintenance Concept. Besides being a member of the Aeronautical Society of India, and the Society of Automotive Engineers, he is a Fellow of the Institute of Engineers and Graduate (Aeronautical Engineering). Professor Gera teaches Automobile Engineering, I.C. Engines, Power Plant Engineering, Maintenance Engineering, Machine Drawing, Emerging Automotive Technologies, and Industrial Engineering. He is responsible for the setting up, modernization and maintenance of laboratories in the Department. Professor JK Gera's areas of interest include Automobile Engineering and IC Engines. He has 24 years of industry, 20 years of teaching and three years of research experience.

“**Education is not an affair of 'telling' or being told,
but an active and constructive process.**

John Dewey

“**Companies look for
engineers who are
specialized in the latest
cutting edge technology and
possess great analytical and
technical skills.**

Dr Pramod Bhatia
HoD, Dept. of Mechanical
Engineering



Dr Feras Al-Hakkak

PhD, Amirkabir University
of Technology, Tehran, Iran
MSc, Sharif University
of Technology, Tehran, Iran
Associate Professor

Dr Feras Al-Hakkak is working as an associate professor in the Department of Mechanical Engineering. Prior to joining NCU (formerly IITM University, Gurgaon), he worked as a researcher at Iran Telecommunications Research Center and also taught various courses in Tehran and Amirkabir Universities, Tehran, Iran. His areas of specialization are biomechanics, solid design, and tensegrity structures. Dr Al-Hakkak is currently teaching machine design, finite element method, and numerical methods at NCU, and is engaged with research on green design and tensegrity structures. He has 14 national and international publications to his credit. Dr Feras is passionate about Sabaj Yoga and creating values.



Dr Rohit Singh Lather
PhD, IIT Delhi
MTech, VIT, Vellore / ARAI, Pune
Associate Professor

Dr Rohit Singh Lather is Mtech (Vellore Institute of Technology, in collaboration with the Automotive Research Association of India, Pune). He has deep interest in the areas of Engine Development, Alternative Fuels, Clean Energy, Emission Reduction and Automotive Engineering. He has four research publications to his credit, three have been presented in national and international conferences and one has been published in the SAE journal. As an expert, Dr Rohit has delivered lectures on Advance Engine Technologies at national level workshops. He is the President of LAHE IIT Delhi chapter. He has five years of research and three years of teaching experience.



Dr K Mathiyazhagan
PhD, National Institute of Technology, Tiruchirappalli
ME, J J College of Engineering and Technology, Trichy
Associate Professor

Dr K Mathiyazhagan, an associate professor in the Department of Mechanical Engineering, is a BE, IFET College of Engineering, TN, and ME (CAD/CAM). He has been a visiting research scholar at the University of Southern Denmark, Denmark. He has published 14 international papers with cumulative impact factor of (SCI/SSCI) 25.71 and one international book chapter with Taylor and Francis. He is a reviewer of six international journals (four

Elsevier journals and two Inderscience journals). He has also presented papers in nine international conferences and two international workshops. Dr K Mathiyazhagan has organized two international workshops and one international conference. He is an examiner for PhD theses at Anna University, Chennai. His current research interests focus on Green Supply Chain Management, Sustainable Supply Chain Management and Shipping Container Selection. He has research collaboration with the Department of Business and Economics, University of Southern Denmark and their research teams in USA, Brazil, China and Dubai. Recently he received NCU's Best Research Paper award 2014.



Anmol Bhatia
MTech, Maharshi Dayanand
University, Rohtak
Assistant Professor

Mr Anmol Bhatia is an assistant professor in the Dept. of Mechanical Engineering. He specializes in Manufacturing Technology & Automation. His sphere of interest includes Process Optimization in Unconventional Machining Processes. He is teaching various subjects at the UG and PG levels like Computer Aided Design, Metal Cutting, Industrial Engineering, Manufacturing Technology, Engineering Drawing etc. Mr Anmol has three years of teaching and one year's research experience. He has published 10 research papers in national and international conference proceedings and five research papers in international journals. Mr Bhatia has authored a textbook on Industrial Engineering and Operations Management, Katson Publishers. He is associated with professional societies like the Indian Society of Technical Education. He is pursuing PhD at YMCAUST, Faridabad.



Manoj Kumar Gopaliya
MTech, IIT Delhi
Assistant Professor
Dy Dean (Academics)
Undergraduate Studies,

Mr Manoj Kumar Gopaliya is MTech, IIT Delhi, and is pursuing PhD at IIT Delhi. He is a keen researcher in the domain of Fluid Mechanics, especially in CFD and Multi-phase slurry flow through pipelines. He has published seven research papers in peer-reviewed international journals of repute. He has 25 Google scholar citations at present. He has more than nine years of teaching experience across leading institutions in the NCR region. He is currently Deputy Dean Academics (UG studies) at the University. He was a NCU Star Performer in 2013-14. He is also a lifetime Associate Member of AeSI Delhi chapter.



Abhishek Pratap Singh
MTech, Maharshi Dayanand
University, Rohtak
Assistant Professor

Mr Abhishek Pratap Singh's areas of interest include Robotics, Automation, Mechatronics System Design and CFD. He is an MTech in Robotics and Automation and pursuing PhD in Computational Fluid Dynamics at THE NORTHCAP UNIVERSITY (formerly ITMU). He has presented five research papers in national and international conferences, published five research papers in international journals and authored one book. Mr Abhishek has nine years of teaching and research experience.



Learning with the right attitude and working as a team with a positive spirit of innovation and creativity is very crucial for any organization/ individual to grow.



Shiv Manjaree Gopaliya
MTech, Maharshi Dayanand University, Rohtak
Assistant Professor

Ms Shiv Manjaree Gopaliya is an MTech in Robotics and Automation and is presently pursuing PhD in the area of Robotics Engineering at NCU (formerly ITM University, Gurgaon). Her core competency is in the domain of Mechatronics, Robotics, Automation, Concurrent Engineering, Measurements and Instrumentation, Automatic Controls, Machine Drawing and Engineering, Machine Design, Graphics & Drawing.

She has four reputed international journal research papers and two international conference papers to her credit. Ms Gopaliya is lifetime Graduate Member of Aeronautical Society of India, Delhi chapter. She has more than 9.5 years of teaching and research experience. Prior to joining NCU in 2008, she was a lecturer at PDM College of Engineering, for three years.



Dr Ritwik Basu
PhD, IIT Mumbai
MTech, Jadavpur University,
Kolkata
Associate Professor

Dr Ritwik Basu is PhD in Metallurgical Engineering and Materials Science, IIT Bombay (2012). Following his PhD, Dr Ritwik worked as an Application Specialist for EBSD with Oxford Instruments, Indian operations, for more than a year. Thereafter, he was a postdoctoral researcher (September 2013 to February 2015) with Prof. Jerzy Szpunar's group for Advanced Materials and Renewable Energy, Department of Mechanical Engineering, University of Saskatchewan, Canada. He is associated with THE NORTHCAP UNIVERSITY (formerly ITMU) since March 2015. His research portfolio, over the past seven years, has been focused on studying plastic deformation and phase transformations, microstructure-property-processing relationship in metals and alloys. His expertise lies primarily in the use of scanning electron microscopy (SEM) coupled with electron backscattered diffraction (EBSD) and energy dispersive X-ray spectroscopy (EDS) and X-Ray diffraction techniques to characterize the microstructure and textures of NiTi shape memory alloys and steels subjected to different thermo-mechanical processing conditions. Dr Ritwik specializes in Nano Science and Technology and has more than four years of industry experience to his credit. Currently he is teaching Material Science & Engineering at the UG level. In addition to teaching he is Incharge of the Department's Research Committee and Coordinator for ASME.



Ashwini Kumar Sharma
MTech, GNDEC, Ludhiana
Assistant Professor

A keen researcher, Mr Ashwini Kumar Sharma has a number of innovative projects and research papers to his credit. Mr Sharma is a recipient of the Gwalior Gaurav Award, cash award and a letter of appreciation from the Vice-Chancellor of Rajiv Gandhi Technical University, Bhopal. Mr Ashwini Kumar Sharma filed for patent on 'Dual Flush Toilet' in October 2013 and for 'Coconut Opener' machine in June 2015. He has participated, with his team of students, at Mini BAJA and SUPRA SAEINDIA national competitions and won several prizes. He is Design Consultant – Design Clinic Scheme (MSME). He is actively involved in MSME's student projects and is a Faculty Advisor of SAE (Society of Automotive Engineers) at NCU (formerly ITM University Gurgaon). Mr Ashwini is a life member of ISTE (Indian Society for Technical Education) and IIIE (Indian Institute of Industrial Engineering). He has published five papers in national/international journals and presented nine research papers in national and international conferences. Mr Ashwini was a NCU Star Performer in 2013-14. He is keenly interested in the realm of Supply Chain Management. Mr Ashwini has more than 15 years of teaching, four years of research and one year's industry experience. He is also the Placement Coordinator of the Department of Mechanical Engineering. He is pursuing PhD at the National Institute of Technology, Kurukshetra. He holds a PG Diploma (Steam Engineering), Forbes Marshall Ltd, Pune.

“The faculty at NCU are sensitive to the academic and development needs of students; knowledgeable about the curriculum and requirements; accessible on a regular, predictable basis and concerned about their students' welfare and development.

*Abhilasha Shrivastava,
MTech student Class of 2003*



Deevesh Sharma
MTech, MNIT, Jaipur
Assistant Professor

A promising young faculty Mr Deevesh Sharma started his academic career as assistant professor at NCU (formerly ITMU) in July 2013. He is creative and innovative and has designed ergonomic work stations and tools for the blue pottery industry in Rajasthan. He was the finalist at the National Solid Modeling Contest 2012, held at Hyderabad. He has more than two years of teaching and research experience to his credit. His research interest is in the field of Ergonomics, Anthropometry and Product Design. He has presented two papers in an international conference and published one paper in an international journal.



Deepak Monga
ME, PEC University of
Technology, Chandigarh
Assistant Professor

Mr Deepak Monga has a brilliant academic record and was batch Topper during his Master of Engineering. He specialized in Thermal Engineering at PEC University of Technology, Chandigarh. He has two years of teaching and research experience. His core competency is in subjects like Thermodynamics, Heat and Mass Transfer and IC Engines. His research interest is in the area of Modelling and Simulation of Heat Transfer in Biological Tissues and his research paper has been published in an international journal. He is associated with ITMU (now NCU) since February 2014.



Gagan Baradia
MTech, IIT-BHU,
Varanasi
Assistant Professor

An outstanding student, Mr Gagan Baradia was awarded by the Governor and Chief Minister of Chhattisgarh for his excellent academic record in his graduation. He is a specialist in Production Engineering of IIT-BHU, Varanasi. He has more than two years of experience in an E-learning organization, one year's research and two years of teaching experience. He represented IIT-BHU at National Youth Camp organized by Vivekananda Memorial Trust, Kanyakumari, TN. He is a core team member of the Admission Committee for PG programmes and Faculty Advisor for SAE (Society of Automotive Engineers) at the University. Mr Gagan has been involved in teaching various courses like Modern Manufacturing Processes, Production Engineering, Manufacturing Science, Strength of Materials, Engineering Drawing etc. His research interests are in the area of Renewable Energy and Smart Materials. Mr Baradia enthusiastically participates in many extracurricular activities at the University.

*The University constantly
strives to promote an industry-
academia linkage and
research-based teaching
practice in order to keep pace
with the latest knowledge
evolving globally.*



Deepa Manani
MTech, IIT BHU,
Varanasi
Assistant Professor

Ms Deepa Manani is a specialist in Metallurgical Engineering. Ms Deepa is pursuing her interest in the field of Microstructure evaluation of AA 3003 alloy - Accumulative roll bonding. She has one year's research and more than three years of teaching experience. Currently she is teaching Engineering Drawing, Manufacturing Science and Fluid Mechanics. She is associated with NCU (formerly ITMU) since July 2014.



Lalit Upadhayay
ME, Thapar University
Assistant Professor

Mr Lalit Upadhayay has worked in the area of Erosion Wear and has published five research papers in international and national journals, presented three papers in international and national conferences and one of his research papers received Best Case Study award (Non-traditional area) in 2013 by the National Council of Industrial Engineering (NCIE). Mr Lalit is pursuing PhD at NCU on the topic, 'Total Quality Management and Systems Dynamics'. He has two years of industry experience in highly regarded organizations, two years of research and five years of teaching experience. Mr Lalit was a NCU Star Performer in 2013-14.





Swati Bhardwaj
ME, Maharshi
Dayanand University,
Rohtak
Assistant Professor

Ms Swati Bhardwaj is an expert in the area of design and has worked with Ansal Properties and Industries Ltd, Delhi, and other real estate companies for 10 years. She has eight years of teaching and two years of research experience. She is pursuing her interest in the field of Soft Computing and Laminar Jet Hydrogen Diffusion Flames. She is presently working on her PhD at NCU (formerly ITM University, Gurgaon). Ms Swati Bhardwaj has presented/published seven research papers in national and international conferences and journals.



Pradeep Kumar Rohilla
MTech, Maharshi Dayanand
University, Rohtak
Assistant Professor

Mr Pradeep Kumar Rohilla has two years of industry experience working at Bhusan Power and Steel Ltd. He also has seven years of teaching and two years of research experience. He has four national research publications to his credit and has authored a book on Soft Computing Based Pressure Control System, published by LAP LAMBERT Academic Publishing GmbH & Co. KG, Germany. Mr Pradeep Kumar is keenly interested in the area of Robotics and Automation. He is currently pursuing PhD on the topic 'Intelligent techniques for pressure control system having nonlinearity in pneumatic control valve'.



Renu Sharma
MTech, Dr B R Ambedkar
NIT Jalandhar
Gold Medallist
Assistant Professor

Ms Renu Sharma is a bright young faculty member whose research interests include Thermal Engineering and Damping studies on Fibre Reinforced Epoxy Polymer Concrete. She has published two papers, one in an international journal and another in ISOM conference. She has more than two years of teaching and research experience. She is associated with THE NORTHCAP UNIVERSITY (formerly ITM University, Gurgaon) since July 2014.



Shikha Kashyap
M Tech (Industrial Engineering),
Nagpur University, Nagpur
Assistant Professor

An outstanding student, Ms Shikha Kashyap was Nagpur University Topper in MTech. Prior to joining NCU (formerly ITMU), she worked with SRCCEM, Nagpur, in the Department of Industrial Engineering. She is enthusiastic about research in the areas of Risk Assessment / Management, Health and Safety and is pursuing PhD in the same area. Her expertise is in the area of Industrial Engineering. Ms Kashyap has presented four research papers in national and international conferences including Elsevier and two have been published in international journals. She has six years of teaching and two years of research experience.

NCU generates, disseminates and advances knowledge within the ever-changing international, multi-cultural and technological context of our world.



Sidra Khanam
BTech, Aligarh
Muslim University
Gold Medallist
Assistant Professor

A brilliant student, Ms Sidra Khanam was a Gold Medallist in her BTech (Mechanical Engg). She has submitted her PhD thesis at Industrial Tribology, Machine Dynamics and Industrial Engineering Centre (ITMMEC), IIT Delhi. She has been working in the area of Condition Monitoring of Bearings. Her research papers have been published in reputed international journals like Transactions of ASME, Journal of Vibration and Acoustics and Journal of Tribology. Two research papers have been presented in international conference proceedings, one of which received the Best Paper Presentation award from the Institute of Mechanical Engineers (IMechE), London. Her research interests include vibration analysis of rolling bearings with defects, modelling of local defects in bearings, detection and diagnosis of defects in rolling element bearings, signal processing of the vibration signals of rotor bearing system, and noise removal from the signal for extraction of pure information generated by the rotor bearing to assist in identification and location of defects. She is an active member of the American Society of Mechanical Engineers. She is currently teaching Engineering Graphics and Drawing, and Dynamics of Machines at NCU.



Sudhakar S
MTech, National Institute
of Engineering, Mysore
Assistant Professor

Mr Sudhakar S is associated with THE NORTHCAP UNIVERSITY (formerly ITMU) since July 2014 and brings with him more than two years of experience in industry, teaching and research. His fields of teaching and research are Advanced Manufacturing, Composite Materials, Operation Management, Six Sigma and Taguchi Methods. He has presented two research papers in international conferences and published two papers in reputed international journals. Mr Sudhakar completed his graduation in Mechanical Engineering, Visvesvaraya Technological University, Belgaum and MTech in Production Engineering and System Technology, National Institute of Engineering, Mysore.



Amit Arora
MTech, IIT Delhi
Assistant Professor

Mr Amit Arora specializes in teaching subjects like Heat Transfer, Elements of Mechanical Engineering, Engineering Drawing and Machine Drawing. His areas of interest include Single phase Heat transfer, heat transfer enhancement and optimization of heat exchangers. After MTech in Thermal Engineering, IIT Delhi he is currently pursuing PhD on the topic, 'Study of Enhancement of Heat Transfer using Upwash Delta Winglets in Fin and Tube Heat Exchangers' at IIT Delhi. Mr Amit is a lifetime member of the Indian society of Technical Education, New Delhi.



Anuj Sharma
MTech, MANIT, Bhopal
Assistant Professor

Prior to joining NCU (formerly ITM University, Gurgaon) in January 2015, Mr Anuj Sharma was working as an engineer at JBF RAK LLC, UAE. An assistant professor in the Department of Mechanical and Automobile Engineering, Mr Anuj is keenly interested in Industrial Design, Strength of Materials, Thermodynamics, Nanocomposites, Theory of Machines and Industrial Engineering.



Samir Kumar Panda
MTech, NIT Rourkela
Assistant Professor

Mr Samir Kumar Panda's core competency is in teaching subjects like Theory of Machines, Numerical Methods and Computing, Finite Element Analysis, Mechanical Design, Dynamics, Vibration and Control. His current research interests include Design, Fabrication and Control of Polymer Artificial Muscle Actuator, Biomimetic Robots, Underwater Smart Actuator Propulsor. Mr Samir has published two research papers in international journals and presented a research paper at an international conference. He has one year's teaching experience. He is pursuing PhD on the topic 'Gold - Polypyrrole bimorph actuator for underwater robotic applications', at IIT Guwahati. Mr Panda is associated with NCU since July 2015.



Anuj Kumar Jain
MTech, Maulana Azad National
Institute of Technology, Bhopal
Assistant Professor

Mr Anuj Kumar Jain has over nine years of experience constituting both corporate and academia. He has worked on a project, 'Steam Heating Oven in place of Electric Heating Oven' in the Department of Work & Engineering Services, BHEL, Jhansi. He has worked as a Mechanical Engineer at Titani Sugar Complex (formerly SIEL Ltd), Muzaffarnagar (June 2004-August 2005). He is BTech (Mech), Harcourt Butler Technological Institute, Kanpur; MTech in Stress and Vibration Analysis and is pursuing PhD in the field of Rotor Dynamics (crack & fracture analysis) at Delhi Technological University. He is Certified in Mainframe. He keenly interested in Symbol Shakti (Bond Graph Simulation) Software. His fields of teaching are Engineering Mechanics, Mechanics of Solids, Machine Design, Theory of Machine, Vibration etc. Prior to joining NCU in July 2015, he was teaching in Inderprastha Engineering College, Sahibabad and Swami Vivekanand Subharti University, Meerut, where he was Head, Department of Mechanical Engineering. He has presented two research papers at national level conferences.

Teachers' great strength lies in the example they set, of curiosity, open-mindedness, willingness to put their assumptions to the test and to acknowledge mistakes; most of all, they must transmit a love of learning.
The UNESCO Report, Learning: The Treasure Within (1996, p.146)

Events: Department of Civil & Environmental Engineering



Members of ASCE-Student chapter with Dr Robert D Stevens, PE, F. ASCE, President, ASCE – International.



Ms Savita Bradoo, Director of Quality at Convergys delivering a lecture



Mr Satish Vij delivering a special lecture on Current scenario and future development of railways in India



'Solar Energy - A Way towards Sustainable Development' by Mr Nilesb Anand, Senior Manager Engineering, DLF Utilities Ltd.



A guest lecture on Glimpses of Civil Engineering in the Industry in progress



Dr Pradeep Bhardwaj delivering a lecture on Management of Disasters at high altitude areas



Abbik Jain (our alumnus 2008-12 Batch), CEO Shiva Constructions Ltd., Gurgaon, interacting with students

Department of Civil and Environmental Engineering



Dr Amit Srivastava
PhD, ME, Indian Institute of Science, Bengaluru
Associate Professor & Officiating Head,
Department of Civil & Environmental Engineering

Dr Amit Srivastava joined NCU as an Associate Professor in July 2014 and is currently the Officiating Head, Department of Civil and Environmental Engineering. His research interest is in the domain of Geotechnical Engineering and his PhD research work was on 'Risk Analysis of Earth Dams under Static and Earthquake Loading conditions'. Dr Srivastava has 24 international journals and three national journal publications to his credit. He has published 30 research papers in international/ national peer reviewed conference proceedings. He has presented his work at various national/international platforms in places like Italy (Ravello), Egypt (Alexandria), and France (Paris) that have given him a unique perspective.

He is an active member of the American Society of Civil Engineers (ASCE), International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE), Indian Geotechnical Society (IGS), Institution of Engineers, India (AMIE), Indian Society for Rock Mechanics and Tunnelling Technology (ISRMTT) and International Tsunami Society. Dr Amit has bagged three awards from the Indian Geotechnical Society and one international award from ASCE. He has made significant contribution to several consultancy projects.



Brig. SK Sharma (Retd.)
BArch (Hons) IIT, Kharagpur
MTech (Urban Planning),
School of Planning
& Architecture, New Delhi
Pro Vice-Chancellor & Professor

Brig. SK Sharma (Retd.) is the Pro Vice-Chancellor of THE NORTHCAP UNIVERSITY (formerly ITM University, Gurgaon) and a Professor in the Department of Civil & Environmental Engineering. He superannuated as the Registrar of the University in August 2014. He has 40 years of experience in architecture, urban planning and engineering in the Indian Army, Defence Research and Development Organization, real estate, project management, and teaching. He retired as Chief Engineer Designs at the apex level of the Corps of Engineers at Army HQ, Delhi.

His major assignments include Project Head of an 85-acre township project, and Hotel Radisson, Manesar, both with Silver Glades Group; Project Coordinator of the Defence Research and Development Organization building in Lutyens Delhi, a six-storeyed, centrally air-conditioned building, built in harmony with the heritage buildings of Rashtrapati Bhavan and South Block. His technical assignments include, Head of Continuous Education Programme (CEP) for architects, planners and engineers of the armed forces, and management of 5000 technical personnel as Chief Engineer. He prepared a Quality Assurance Plan for the built environment for the use of the Military Engineer Services for all major building projects of the defence services. He has undertaken the planning, design and execution of township projects in the Northeast, in difficult and often hostile conditions, to include housing, community facilities and

infrastructure. He planned and executed aviation facilities on the northern borders, with a heli-runway, its hangarage, and aviation services. Brig. Sharma was HoD, Architecture Wing, on a teaching assignment at the College of Military Engineering, Pune. He planned the Soldiers' Facilities Complex in Pokhara, Nepal, as a recruitment centre, pension facility and living complex for Gorkha soldiers. He was on the design team of a multistoreyed Intelligence HQ for RAW at New Delhi, and the Indian Field Gun Factory, Kanpur.

Brig. Sharma's membership of professional societies includes Fellow of Indian Institute of Architects, Fellow of Institution of Engineers (India), and Fellow of Indian Institute of Town Planners. Some of his technical publications have been on Environment, Shelters and Networks, National Housing Policy, Thermal Comfort Designs, Performance of Engineered Construction at Bhuj during the earthquake - 2000, IT and the Built Environment, and New Trends in Construction. He has served on the National Panel for Revision of the National Building Code, BIS - 2003. He is a veteran of the 1971 operations in Bangladesh.

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THE NORTHCAP
UNIVERSITY *believes that*
for a brighter tomorrow the
present should be nurtured and
guided in the right direction
with a healthy spirit.





Prof. S Krishnamoorthi
ME, Indian Institute of Science,
Bengaluru
BE, University of Madras
Emeritus Fellow

A nominee for the Millennium Hall of Fame, Prof. S Krishnamoorthi's biography was included in the seventh edition of the International Directory of Distinguished Leadership, published in 1998. He has extensive teaching experience of 45 years, which include 36 years at the National Institute of Technology, Calicut (seven years) and Tiruchirappalli (29 years), before his retirement. Post retirement he has taught at Arulmighu Meenaksbi Amman College of Engineering, Kanchipuram, for four years and for eight months at the Ansal Institute of Technology, Gurgaon, prior to joining NCU (formerly ITMU) in May 2008.

Besides teaching, he has 20 years of research and administrative experience. He has carried out three R&D projects sponsored by the Government of India (National Rajiv Gandhi drinking water Mission and AICTE at a value of Rs 50 lakhs), and two R&D projects sponsored by the World Bank at a value of Rs 15 Lakhs. The recommendations of the research project on 'Water management studies in Agniar River Basin' sponsored by the World Bank are being implemented by the Government of Tamil Nadu. In addition, the recommendations of the national seminar on 'Water harvesting' organised by him, are being implemented by all the State Governments in India. He was awarded a Certificate of Merit by AICTE for an exemplarily carried out R&D project. His area of interest is Irrigation Water Management. He has published 25 papers in conferences, both within the country and abroad, and has visited Jerusalem and Bangkok for presentation of technical papers. He was a pioneer for mandatory inclusion of Environmental Studies in the curriculum of all educational programmes. It was based on his presentation of a paper on 'Curriculum for Environmental Education' in the international conference at Jerusalem in June 1999.



Dr Anil Kumar Misra
PhD, MSc,
University of Lucknow
Associate Professor

A dedicated faculty, Dr Anil Kumar Misra is PhD, in Hydrological, Remote Sensing & Geophysical studies, Center of Advanced Study in Geology, University of Lucknow. He has a PG Diploma in CAD/ Geographical Information System and Remote Sensing Techniques, Tricad Design Consultant Pvt. Limited, and PG Diploma in Hydrogeology, Annamalai University, Tamil Nadu. He is trained in remote Sensing and GIS, Geophysical Studies, Artificial Recharge to Ground Water and Tectonic Geomorphology, Anna University; CGWB, Wadia Institute of Himalayan Geology and Remote Sensing Application Centre, UP.

Dr Misra has worked with prestigious government organizations like the Earthquake Risk Evaluation Centre (EREC), India Meteorological Department, Government of India, and the Seismology Division, Department of Science and Technology (DST), Government of India. He has completed two research projects funded by Department of Science and Technology, and MSME, Govt. of India. He has to his credit 35 national and international research papers published in refereed journals. His areas of interest are Hydrology and Remote Sensing, and GIS. He is a member of the editorial board of the Journal 'Open Transactions on Geosciences' and a American. He was a NCU Star Performer in 2013-14. He is CSIR-UGC (NET) qualified.

“ Do not follow where the path may lead. Go instead where there is no path and leave a trail.

Ralph Waldo Emerson



Prachi Kaustubh Sohoni
ME, Shivaji University,
Maharashtra
Assistant Professor

A brilliant student, Ms Prachi Sohoni is a BE (with distinction) and ME (Structural Engineering), Walchand College of Engineering, Shivaji University. She is pursuing PhD at IIT Delhi and the title of her thesis is 'Framework for Shoring Selection for Multi-storey Building Construction'. She has two years of industry experience at Geometric Ltd. and six years of teaching and research experience. She has published nine research papers in reputed international journals and presented four papers in national and international conferences.





If our college
cricket team
captain gets the
best out of each player,
is it being a good leader
or a resourceful
manager?

Since 1996, we have believed that academics truly make sense only when it is applied to some part of life. So, we try to groom our students in a manner that helps them develop passion for their subject and creativity in its application.

So for us research and innovation isn't just a mere academic obligation, but a mindset. Our project and scholarship alliances with leading corporate houses, as well as student and faculty exchange collaborations with international universities take education to its next level. Our emphasis on student quality and a healthy faculty-student ratio ensures an atmosphere conducive for learning.

With all this, we work towards our goal of bridging the gap between the classroom and the real world.



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Ankit Pachouri
MTech, NIT Trichy
Assistant Professor

Mr Ankit Pachouri holds a BTech degree in Civil Engineering, Maharshi Dayanand University, Rohtak. In Mtech he specialized in Transportation Engineering and Management. He started his teaching career at NCU in October 2013. Mr Ankit has two years of teaching and research experience. His research interests include Transportation Planning, Transportation Systems, Urban Planning, Simulation Techniques in Transportation. He has published five research papers in reputed international journals.

*Education is one of the primary
needs of mankind. Every human
being has the right to be educated.
But this education should
not be restricted only to
bookish knowledge.*



Purnima Bajpai
MTech, MIT Pune
Assistant Professor

A young faculty with great potential, Ms Purnima Bajpai brings with her two years of industry experience gained at Punj Lloyd Ltd. as a Contracts Administrator. She is a BTech in Civil Engineering, and an MTech in Construction Management and is pursuing PhD at IIT Delhi. Her research focuses on understanding the performance challenges and risks associated with the power sector. Ms Purnima is keenly interested in teaching Construction Management, Surveying and Construction Planning, Cost Dynamics and Management. She has published five research papers in journals and conferences of repute. She is associated with NCU (formerly ITMU) since January 2014.



Lokesh Choudhary
MTech, IIT Guwahati
Assistant Professor

Mr Lokesh Choudhary's research interests focus on Numerical Modelling and Soft Computing in Geotechnical Engineering, Ground Modification and Improvement Techniques, Geotechnical Earthquake Engineering. He is a brilliant young BTech (Hons) graduate of the Institute of Technology and Management (now NCU). In 2012 he stood First in the Institute as well as secured university First Rank (Gold Medallist) MDU, Rohtak. He is MTech in Geotechnical Engineering, IIT Guwahati (2014). He is keenly interested in academics and research and has published several research papers in reputed journals and conferences.



Rohith P Poyil
ME, Anna University
Assistant Professor

A bright young engineer, Mr Rohith P Poyil is a BTech in Civil Engineering, TKM College of Engineering, Kerala University and an ME in Geomatics. Prior to joining NCU (formerly ITM University, Gurgaon) in October 2013, Mr Rohith worked with Hilite Builders Pvt. Ltd. as a Trainee Engineer for one year and with City Connect Foundation for four months as Assistant Urban Planner. He has published research papers in three international journals.



Vaishali Sahu
MTech, IIT Roorkee
Assistant Professor

A dynamic and dedicated young faculty, Ms Vaishali Sabu is the recipient of NCU's coveted Best Teacher Award 2015. She is pursuing research in the area of Environmental Engineering and her PhD, at NCU, is in the same field. She passed BE with distinction from SGSITS Indore and MTech from IIT Roorkee. Ms Vaishali Sabu has written a book titled Quality Assessment and Management for the Delhi Stretch of the River Yamuna, published in USA and Germany by LAP LAMBERT Academic Publishing in May 2012. She has published 15 research papers in reputed peer reviewed international journals and presented eight papers in national and international conferences. She has guided projects of two German student interns at ITMU (now NCU), from October 2011 to April 2012 and two MTech theses. She is a reviewer for the Journal of Civil & Architecture, USA. She has more than seven years of teaching experience.

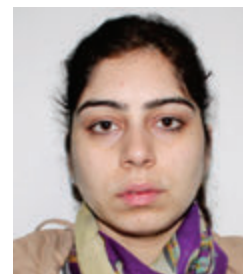
“ Input from industry is taken during the design of the curriculum and field practices are included in every course. Certain sections are taught by experts from industry through guest lectures and workshops. The curriculum offers scope for practical training and projects in industries.

*Dr Amit Srivastava, HoD
Civil & Environmental Engineering*



Garima Srivastav
MTech, IIT Delhi
Assistant Professor

Ms Garima Srivastav's core competency is in the domain of Finite Element Analysis, Excavation Methods and Machinery, Fluid Mechanics and Prestressed Concrete Structures, which she is teaching at the University. She is a BTech in Civil Engineering, HBTI Kanpur (2011) and MTech in Rock Engineering and Underground Structures, IIT Delhi (2013). Her expertise is in the field of Rock Engineering and Underground Structures. She is associated with NCU (formerly ITMU) since July 2014.



Megha Kalra
ME, PEC University
of Technology
Assistant Professor

A promising young faculty, Ms Megha Kalra received her BE (with distinction) at Chandigarh College of Engineering and Technology, Chandigarh in 2010 and ME (Structural Engineering) in 2012. She has more than two years of teaching and three years of research experience. Ms Megha has published six research papers in reputed international journals and conferences.

Events: Department of Applied Sciences



The SPIE student chapter organized an interactive session on Holography conducted by Prof. Kehar Singh (Fellow SPIE)

We have the experience of handling learning situations and delivering results to the satisfaction of our corporate patrons, built upon the extensive experience and insights of our faculty.



Dr Vinit Sharma, Department of Materials Science and Engineering, University of Connecticut (USA) delivering a lecture



Mr JC Kapoor, Chairman, Delhi Branch, Institute of Defence Scientists & Technologists (IDST), and Former Director of Centre for Fire, Explosives and Environmental Safety (CFEES), DRDO, briefing faculty about IDST sponsored projects for DRDO.

Department of Applied Sciences



Dr Rashmi Tyagi
PhD, MSc, BHU, Varanasi
Associate Professor &
Officiating Head,
Dept. of Applied Sciences

Dr Rashmi Tyagi is the Officiating Head, Department of Applied Sciences. She has worked in the Division of Microbiology, LARI, New Delhi, for more than 10 years and has expertise in the area of Algal Biofuel and Bioremediation. She has experience of a number of CSIR and DST-funded research projects on algae & UV-B radiation and algal biodiesel. Dr Rashmi has published 36 research papers both within the country and abroad. She has authored 'A Textbook of Biotechnology', which is universally read with interest, and two chapters in reputed books. Dr Tyagi's research interests focus on Algae, UV-B Radiation, Biofuel and Bioremediation. Dr Tyagi is guiding two PhD research scholars. She is one of the active researchers at NCU and is a coordinator of PG studies in School of Engineering. She is life member of ISTE. She was a NCU Star Performer in 2013-14. Dr Rashmi is GATE, NET-CSIR, NET-ICAR qualified.



Prof. Pramila Goyal
PhD, MSc, University of
Roorkee (IIT Roorkee)
Distinguished Professor
Emeritus

Prof. Pramila Goyal, PhD, MSc (Applied Mathematics), IIT Roorkee, joined NCU as a Distinguished Professor Emeritus in the Department of Applied Sciences and the Department of Civil & Environmental Engineering in August 2015. Her broad areas of research interest include Air Pollution Modelling, Environmental Impact Assessment, Emission Inventories, Carrying / Assimilative Capacity of Urban Cities, and Environmental Management Studies. Prof. Goyal was formerly a Professor at the Centre for Atmospheric Sciences, IIT Delhi.

Prof. Goyal has professional experience of 38 years in teaching and research; 55 publications in journals (44 international, 11 national) and 65 papers in peer reviewed national and international conferences. She has mentored 14 PhD and 17 scholars; developed / taught various courses to BTech, MTech, MBA and Pre PhD students during her tenure at IIT Delhi. She has visited several countries as Invited Scientist / Speaker under collaborative Scientific Research Projects. She is life member of various professional societies and committees. She is a Fellow of the Institute of Environmental Engineers, Journal of Environmental Research and Development.



Prof. SK Jain
PhD, MSc,
University of Delhi
Professor

Prior to joining NCU (formerly IITM University, Gurgaon) in June 2014, Professor Sushil Kumar Jain superannuated as the Chief Scientist, National Physical Laboratory (1978-2014). Professor Jain is a PhD and an MSc in Physics from the University of Delhi. He has contributed significantly to R & D in the areas of ultrasonic transducers, high power and underwater ultrasonic devices, photovoltaic silicon solar cells, and metrology of force related parameters, publishing more than 110 research papers. He is Chief Editor of the J. Pure and Appl. Ultrasonics and is actively associated with NABL in mechanical calibration.



Prof. Kalika Srivastava
PhD, MSc, IIT Kanpur
Professor

An outstanding scholar, Professor Kalika Srivastava was presented the General Proficiency Award for the best outgoing student of IIT Kanpur, and was a Gold Medallist in her BSc. She was also among the top 5% of candidates qualifying for the joint UGC-CSIR fellowship. An accomplished academic, Professor Kalika Srivastava has been associated with NCU (formerly ITMU) since 2003. She has 23 years of experience in teaching, administration and research, and has published papers in several journals in India and abroad. Her area of specialization is Functional Analysis. She is GATE, NET qualified.

“ *Our main objective is to encourage students to learn and apply mathematical tools for solving real time practical problems. We keep working to bring the best out of our students by calibrating the real-world requirements through our academic programmes.*

*Dr Rashmi Tyagi,
Officiating HoD
Dept of Applied Sciences*



Prof. A K Yadav
PhD, MSc, IIT Delhi
Post doctorate,
North Carolina
State University, USA
Professor

Dr AK Yadav is a Professor of Mathematics in the Department of Applied Sciences. He has also served as Head of the Department and Deputy Dean (Alumni). His research interests include Image Processing and Air Quality Modelling. Prof. Yadav was awarded two UGC sponsored research projects (one major and one minor). In 2009 he received a prestigious grant of \$170,000 from Hewlett Packard for Innovation in Engineering Education and an award from the Indo-US Collaboration for Engineering Education (IUCEE) for his leadership role in enhancing engineering education. He conducted and edited proceedings of the International Conference on Computational and Applied Mathematics in June 2014. He has authored a book chapter (Springer) and published more than 40 research papers in journals and conferences of international repute. He has visited several universities abroad in pursuit of research and academic excellence. Prof. Yadav is currently guiding five PhD scholars and he is Co-Principal Investigator of a DRDO sponsored project on Phase Retrieval Algorithms. Prof. Yadav is a life member of the Indian Society for Technical Education and the Indian Meteorological Society and is GATE and NET qualified. Prof. Yadav has 22 years of research and 19 years of teaching experience.



Dr Hukum Singh
PhD, Govind Ballabh Pant
University of Agriculture &
Technology, Uttaranchal
MSc, Rohilkhand University,
Bareilly
Associate Professor

Dr Hukum Singh is an associate professor of Physics and Coordinator in the Department of Applied Sciences. He has also served as Head, Department of Applied Sciences. He has worked on a DST funded research project as SRF for about three years. He is currently a mentor of recently sanctioned project of 30.3 lakhs from DST under WOS-A scheme. The title of the project is, 'Study of Optical and Electrical Properties of Nano-structured glasses for applications in Optical Recording Media'. He is also a Co-PI of a DRDO funded research project on phase retrieval algorithms.

Dr Singh has 20 research publications to his credit and has presented papers in national, international conferences and journals. He has also published a book, 'A Text Book of Engineering Physics' (Icon). His research areas are Photoacoustic Spectroscopy, and Optical Information Processing and Image Encryption. He is a member of SPIE (Society of Photo-Optical Instrumentation Engineers) USA, Optical Society of America (OSA), Optical Society of India and life member of ISTE. Dr Singh is guiding three PhD and one MTech scholar. Dr Singh has 17 years of teaching and research experience. He recently received NCU's Best Research Paper award 2014.

Faculty members are diligently involved in pursuing research in their area of expertise and also take consultancy projects from industry.



Dr Sunanda Vashisth
PhD, University of Delhi
MSc, Chaudhary Charan Singh
University, Meerut
Assistant Professor

Dr Sunanda Vashisth has significant expertise in the area of Fibre Optics and Physics. Prior to joining THE NORTHCAP UNIVERSITY (formerly ITM University, Gurgaon) she taught undergraduate and postgraduate students at the University of Delhi, where she has also conducted postdoctoral research. She has worked as a Junior Research Fellow and Senior Research Fellow in DRDO and DOE-sponsored projects respectively for more than two years, and worked at CSIR (Council of Scientific and Industrial Research) as a

Senior Research Fellow for three years. She is a reviewer of Optical Engineering Journal.

Dr Vashisth has published and presented 35 research papers in various international and national journals and conferences. She has prepared lab manuals, authored book chapters and edited a number of books. Her areas of interest are Doped Optical Fibre Amplifiers, Integrated Optics, Nano Optics and Fibre Gratings. Dr Vashisth is a member of SPIE (USA) and is the faculty advisor of SPIE student chapter at NCU. She is a member of the Optical Society of India and of American Society of Quality (ASQ). She is guiding two PhD research scholars. Dr Vashisth recently completed a DRDO-funded research project on phase retrieval algorithms. She has 12 years of teaching and 19 years of research experience. Dr Sunanda is incharge of the Holography set-up in the Central Research Facility at NCU. She recently received NCU's Best Research Paper award 2014.



Dr Sunil Hans
PhD, MSc, Jamia Millia Islamia,
New Delhi
Assistant Professor

Dr Sunil Hans is an assistant professor in the Department of Applied Sciences. He is a PhD in Mathematics in the area of Complex Analysis. He has published 19 research papers in international journals of repute. He is guiding two PhD scholars. His area of interest includes Complex Analysis and Approximation Theory. He is NET(JRF), CSIR-UGC, GATE qualified. Dr Sunil has eight years of research and six years of teaching experience.



Dr Divya Agarwal
PhD, IIT Roorkee
MSc, IIT Delhi
Assistant Professor

Dr Divya Agarwal's research focuses on Mathematical Programming and Nonlinear Programming Problems. Prior to joining NCU (formerly ITMU) she worked at Thapar University, Patiala. She is a keen researcher and is guiding MTech and PhD scholars. She has published 13 papers in international journals with good impact factor and presented several research papers in national and international conferences. She is a member of review committees of various international journals. Dr Divya has organized a workshop on 'Modelling with MATHEMATICA'. She has eight years of teaching and research experience. Dr Agarwal is GATE qualified.



Dr Dipti Vaya
PhD, MSc, MLSU, Rajasthan
Assistant Professor

Dr Dipti Vaya is an assistant professor of Chemistry in the Department of Applied Sciences since 2009. Prior to joining NCU (formerly ITMU) she was a lecturer in HMR Engineering College, New Delhi and VBRI, Udaipur. She holds a PG Diploma in Business Administration, Symbiosis, Pune. She has nine years of teaching and research experience at UG and PG levels. Her areas of interest are Photocatalysis, Material Science, Nanoscience, Polymer Chemistry and Waste-water Treatment. She has published several research papers in national and international journals and conferences. She is working on a DRDO project based on Polyurethane coating for blast mitigation worth Rs 10 lakhs. She is currently guiding MTech and PhD scholars in their research work. She is a life member of ISAS, Delhi chapter, Indian Chemical Society etc. She is CSIR-JRF, GATE qualified.



Dr Ambika Sharma
PhD, Jaypee University of
Information Technology,
Waknaghat, HP
MSc, HP University
Assistant Professor

Dr Ambika Sharma is an experimentalist by inclination and her research interests include structural, optical, thermal, and electrical properties of amorphous semiconducting materials. She is also working on polymer nanocomposites and their applications in solar cells.

Dr Sharma has published 26 research papers in international peer reviewed journals. She has actively participated in more than 20 international/national conferences to present her work. She is the reviewer of many Elsevier and Springer journals of high impact factor. Dr Sharma has recently completed a DST-sponsored research project (worth Rs 26 lakhs) entitled, Optical Study of Chalcogenide Glassy Alloys. Currently she is guiding two PhD scholars and one has already submitted her thesis.

Dr Sharma's outstanding performance has consistently been recognised by the University, year after year: 'Best Emerging Researcher' award (2012-13), 'Star Performer' (2013-14), and in September 2015 she was honoured with the 'Best Teacher' award for the academic year 2014-15. She has helped in establishing the Central Research Facility at the University and is presently the Faculty Incharge of this facility. Dr Ambika has six years of teaching and nine years of research experience.



Dr Sangeet Srivastava
Postdoctorate, National Taiwan
University, Taiwan
PhD, IIT Delhi
MSc, IIT Kanpur
Visiting Scientist, CNRM, France
Assistant Professor

Recipient of the Young Scientist award by DST (Government of India) Dr Sangeet Srivastava has made significant contribution in several projects on climate change, in India. He co-authored a book, Climate Change and Disease Dynamics in India, which was presented to the Vice-President of India in May 2012. Dr Sangeet Srivastava is keenly interested in research on Climate Change and Climate Modelling. Dr Sangeet has visited several universities abroad for research and academics. He has two years of industry, 10 years of teaching and 15 years of research experience.

The University has created an enabling work environment and support infrastructure for its faculty to innovate and pursue research, besides learning technology to facilitate enhancing the teaching-learning processes.



Dr Phool Singh
PhD, Banasthali University,
Rajasthan
MPhil, MSc, Maharshi Dayanand
University, Rohtak
Assistant Professor

Dr Phool Singh has a PhD in Mathematics in the area of Computational Fluid Dynamics. He has been working at NCU (formerly ITM University, Gurgaon) since 2007. He is actively involved in organizing conferences and workshops sponsored by DST, CSIR, NBHM etc. He takes keen interest in organizing blood donation camps and youth festivals at the University. He has published 12 papers in international journals of repute. He is guiding five PhD research scholars. His areas of research interest include Soft Computing, Computational Fluid Dynamics, Neuroscience, Image Encryption and promoting Open Source software like SCILAB, Python, OPEN FOAM etc. He has been awarded a CSIR-DST project amounting to Rs 19.3 lakhs. His h-index is 5 with 80 citations. He scored a high percentile of 99.07 in GATE with an All India Rank- 23. Dr Phool Singh has nine years of teaching and research experience. He is CSIR-NET qualified.





Dr Pranati Purohit
MPhil, Sambalpur University
MSc, Utkal University
Assistant Professor

Dr Pranati Purohit recently completed PhD in Physics at Sambalpur University from where she holds an MPhil degree. Her area of research is Nanoelectronics and Piezoelectric materials. She has published eight papers in national/international journals and presented 15 papers at various national and international conferences. Dr Pranati has 14 years of teaching experience at various technical colleges and universities and seven years of research experience. She is a life member of the Odisha Physical Society.



Dr Bharti Arora
PhD, MPhil, MSc,
University of Delhi
Assistant Professor
Dy Dean, Research,
Development and
Industrial Liaison

Dr Bharti Arora, a meritorious student throughout at University of Delhi, she has been awarded 'UGC Research Fellowship in Science for Meritorious Students'. She was also selected for the 'Jawaharlal Nebru Scholarships for Doctoral Research Studies', in 2008. She has three years of teaching experience which includes Lady Irwin College and Hansraj College, (University of Delhi), and NCU (since July 2013). She is well acquainted with UV-visible & Circular Dichroism (CD) Spectroscopy, Gel Electrophoresis and Bioinformatic softwares/tools.

Dr Arora's areas of interest/ specialization include Biophysical and Biochemical aspects of Nucleic Acids, DNA Polymorphism and Interaction studies, Biopolymers, Ionic liquids, Bioinformatics to determine the functionality of genomic DNA sequences. She has published five research articles in reputed international journals (RSC and Elsevier publications) with a total impact factor of 10.69. Dr Arora has published three chapters in books by renowned international publishers (Wiley-Scrivener, Pan Stanford). She has participated and presented papers in several national and international conferences.

She is a life member of the DNA Society of India. She is an invited reviewer for many SCI journals. In addition to nine years of research experience she has one year's experience of research administration and is looking after the research administration at the University as the Deputy Dean, Research, Development and Industrial Liaison (RDIL), since August 2014.



Dr Ruchi Gupta
PhD, IIT Delhi
MSc, University of Delhi
Assistant Professor

Dr Ruchi Gupta is working in the field of Fibre and Integrated Optics. She has published six research papers in peer reviewed international journals of repute. She has presented her research papers at several international conferences held in the country and abroad. She is an active member of the Optical Society of America (OSA). Dr Ruchi has two years of teaching and five years of research experience. She is associated with the University since July 2013.



To enable our students to start off running, we expose them to the industrial environment through regular visits to industries, industrial training and live industry-oriented projects. We also invite experienced people from industry to interact with and advise our students on a regular basis.



Dr Sunita Sharma

Post Doc, Nanotech, IIT Delhi
PhD, MSc, Guru
Jambheshwar University
of Science & Technology, Hisar
Assistant Professor

Dr Sunita Sharma is an experimentalist in the field of Materials Science. She is also Post Doc, Material Science, Inter-University Accelerator Centre, Delhi: Post Doc, LAMP Group, Raman Research Institute, Bengaluru. Apart from teaching Physics, she is actively involved in the emerging area of research in solar cells. Her research focuses on nanomaterials, lasers and non-linear optics. She has participated in various conferences and ICTP activities in India, Singapore and Africa. Dr Sharma has authored over 54 research papers and edited four chapters in books. She was a member of the Materials Research Society, Singapore (2009-2011) and Photonics Society of India (2006). She was among the toppers in her postgraduation. Dr Sharma received the Junior & Senior Research Fellowship from CSIR & DST during her doctoral studies. She has two years of teaching and twelve years of research experience to her credit. She is associated with the University since July 2013.



Dr Kamlesh Sharma

Postdoctorate, USA,
South Africa, and Mexico
PhD, MSc, Jamia Millia Islamia,
New Delhi
Assistant Professor

Dr Kamlesh Sharma is the recipient of various national and international prestigious awards and fellowships. She received SAMI Post Doctoral Fellow award from University of Witwatersrand, Johannesburg, South Africa; Research Assistant award from State

University of New York at Binghamton (SUNY), NY, USA; Postdoctoral Research Associate award from University of Illinois at Chicago (UIC), Chicago, USA; Postdoctoral Investigator award from Biomedical Institute, National Autonomous University of Mexico (UNAM), Mexico; Senior Research Fellow Award from CSIR, New Delhi, India. She has Postdoctoral Fellowship from University of Pretoria (UP), Pretoria, South Africa; Visiting Fellowship from University of Wisconsin – Madison, Madison, USA.

Dr Kamlesh is the author and editor of the book, 'Synthesis of Steroidal Heterocyclic Organic Compounds' published by the renowned international publisher, LAP LAMBERT Academic Publishing, in February 2014. Dr Sharma is the author/co-author of more than 17 research papers in peer-reviewed journals of international repute. Her research interest includes Synthetic Organic Chemistry: Methodology as well as Total Synthesis, Computational Chemistry: Molecular Modelling, Quantum Chemistry, SAR study. Her molecules of interest are Heterocyclic compounds, Steroids, Spiroketal, Adenosine, Cysteine, Indole, Anthocyanin, Flavanol, Carbohydrates, etc. She is associated with NCU (formerly ITM University, Gurgaon) since February 2014.



Dr Ashutosh Pandey

PhD, MSc, DDU
Gorakhpur University
Assistant Professor

Prior to joining NCU (formerly ITMU) in July 2014, Dr Ashutosh Pandey was working as a Senior Lecturer at the School of Management Sciences, Lucknow. His research interest includes Operations Research and Demography. He has published several research papers in peer reviewed journals. Dr Ashutosh has eight years of teaching experience.

*Experts from industry guide
the students during their live
project work to give them a
real-world orientation.*



Dr Amita Bhagat

PhD, IIT Roorkee
MSc, CCS University,
Meerut (Gold Medallist)
Assistant Professor

Dr Amita Bhagat holds a brilliant academic record and has been an outstanding student throughout her studies. She is a recipient of the Gold Medal for both her graduation and post-graduation. Her research domain includes Retrieval Queueing Systems, Stochastic Modelling and Performance Analysis. She recently earned her doctoral degree at the Department of Mathematics, IIT Roorkee, on the topic 'Performance Analysis of Retrieval Queueing Systems'. She is presently interested in exploring new dimensions in her field including fluid queues. She has presented her research papers in national and international conferences, including the 8th International Conference on Queueing Theory and Network Applications at Providence University, Taichung, Taiwan. She has published several research papers in international journals of repute including SCI journals. She is associated with the University since August 2014. She is a member of various reputed associations including the International Association of Engineers (IAENG), International Association of Computer Science and Information Technology (IACSIT). Dr Amita has one year's teaching and six years of research experience.



Dr Tejpal Singh Chundawat
PhD, University of Delhi
MSc, Mohan Lal Sukhadia
University, Rajasthan
Assistant Professor

Dr Tejpal Singh Chundawat's research interests focus on Stereo-selective and Chiral Catalysts in Organic Chemistry. Dr Chundawat is a Co-PI of a DRDO funded research project on Polymer Synthesis entitled, 'Development of Polyurethane Coating for Blast Mitigation'. He is a PhD in Organic Chemistry, Department of Chemistry, University of Delhi (2014). He worked as a Research Associate at the R&D Centre, Jubilant Chemsys Ltd, Noida, for two years. He has published six research papers in international journals and has presented eight papers in national and international conferences. He is associated with the University since January 2014.



Dr Rani Yadav
PhD, University of Delhi
MSc, Himachal Pradesh
University
Assistant Professor

Dr Rani Yadav is an assistant professor in Mathematics at NCU. In PhD the subject of her research was in the area of Approximation Theory. She has published 10 papers in journals of international repute including journals in SCI expanded list. She has been a reviewer of an international journal. Dr Rani presented a paper in an international conference held at Abu Dhabi University, UAE. She has seven years of teaching and four years of research experience. Prior to joining NCU in January 2015, she was working as Teaching-cum-Research Fellow at NSIT, New Delhi.



Dr Sanjay Yadav
PhD Mathematics, IIT Roorkee
MSc, C.C.S. University Meerut
Assistant Professor

Dr Sanjay Yadav is a PhD in Applied Mathematics in the area of Computational Fluid Dynamics. He has published five papers in journals of international repute including journals in SCI expanded list. He has presented a research paper in an international conference held at IMPA Rio de Janeiro, Brazil. Prior to joining NCU (formerly ITM University, Gurgaon) in December 2014, Dr Sanjay was working as an Assistant Professor at AMITY University, Rajasthan. He has one year's teaching and five years of research experience.



Dr Satwanti Devi
PhD, IIT Roorkee, Uttarakhand
MSc, GBPUA&T, Pantnagar,
Uttarakhand
Assistant Professor

Dr Satwanti Devi recently completed PhD at the Department of Mathematics, IIT Roorkee. Her area of research is Geometric function theory. She started her teaching career as an assistant professor in the Department of Applied Sciences, NCU in July 2015. She has research publications in the field of Complex Analysis. Dr Satwanti is CSIR-JRF, NET, GATE qualified.



Dr Ravindra Kishor Bisht
PhD, MSc, Kumaun University,
Nainital
Assistant Professor

Dr Ravindra Kishor Bisht specializes in the area of Metric Fixed Point Theory. His PhD thesis was titled, 'A Study on Chaotic Dynamical Systems, Fixed Points and Computer Simulation of Fractals'. He has 26 research publications in international journals of repute including SCI journals to his credit. Dr Bisht is a reviewer of 'Mathematical Reviews' (American Mathematical Society). Dr Bisht is associated with THE NORTHCAP UNIVERSITY (formerly ITM University, Gurgaon) since July 2014. He is CSIR NET qualified.



Dr Sandeep Mogha
PhD, IIT Roorkee
MPhil, MSc, CCS University
Assistant Professor

Prior to joining NCU, Dr Sandeep Mogha was working as an Assistant Professor at DIT University, Dehradun. Dr Sandeep Mogha is PhD in Mathematics in the field of Data Envelopment Analysis. He is an assistant professor in the University since August 2015. He has published eight research papers in international journals. He has presented his research paper in an international conference 'IDEA-2014' held at Malaya University, Malaysia in April 2014. He has also presented four papers in international conferences, three of which were in proceedings by Springer. He is NET-UGC (JRF) qualified.



PhD, Hemwati Nandan Bahuguna
Garhwal University, Srinagar,
Garhwal
MSc, Gurukula Kangri
Vishwavidyalaya, Haridwar
Assistant Professor

A dedicated faculty, Dr Gupta completed his PhD work under ISRO funded project at IIT Roorkee as Junior Research Fellow (JRF) from 2007-2010. Prior to joining NCU, he was working as Assistant Professor at GNIT, Greater Noida (UP). He has over eight years of research and teaching experience. Currently, he is guiding five PhD scholars in the field of Image processing and Computer Vision. He has supervised five MTech and five BTech dissertations. His current research interest includes Image processing and Computer Vision. He has published various research papers in reputed journals and conferences.



Dr Aditya Sharma

PhD, IIT Delhi
MPhil, MSc, University
of Delhi
Assistant Professor

A promising faculty, Dr Aditya Sharma recently completed PhD in Chemistry at IIT Delhi, in collaboration with the National Physical Laboratory, Delhi, as a Senior Research Fellow. She secured First Position in Chemistry in her graduation. She has published six research papers in reputed international journals and presented her work at international conferences. The article entitled 'Nanopatterned Cadmium Selenide Langmuir–Blodgett Platform for Leukemia Detection' authored by her, has been highlighted in Nature India (doi:10.1038/nindia.2012.60) and IIT Delhi website. Dr Aditya Sharma is well conversant with UV-Visible & FTIR Spectroscopy, Electrochemical Analysis (CV, DPV and EIS), Langmuir Blodgett technique, Contact Angle, Zetasizer and Gel Electrophoresis. Her areas of interest include Biosensors, Cancer diagnostics and Nanomaterials synthesis. She is associated with NCU (formerly ITM University, Gurgaon) since January 2014. She is CSIR-JRFNET qualified.

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THE NORTHCAP UNIVERSITY
(FORMERLY ITM UNIVERSITY, GURGAON)

BS BEST
B-SCHOOL
SURVEY-2015
SPECIAL
ISSUE

**RANKED IN
'A'
CATEGORY**

BEST B-SCHOOL SURVEY-2015

	OVERALL PERCENTILE	AUDIT PERCENTILE	PERCEPTION PERCENTILE	AUDIT SPLIT						
				INTELLECTUAL CAPITAL	ADMISSIONS AND PLACEMENTS	INFRASTRUCTURE	INDUSTRY INTERFACE	GOVERNANCE	SCALE OF OPERATIONS	
A5										
ITM University, School of Management, Gurgaon (now NCU)	70	70	65	90	60	40	50	75	30	
Acharya Banglore B-School, Karnataka	70	65	70	65	70	65	45	55	80	
Balaji Institute of Management & Human Resource Development, Maharashtra	75	65	90	60	65	80	50	50	80	
Balaji Institute of Modern Management Pune, Maharashtra	75	75	55	55	85	80	50	55	70	
Fortune Institute of International Business, New Delhi	70	65	90	40	80	30	65	90	70	
ICBM School of Business Excellence, Andhra Pradesh	70	75	35	75	70	80	85	70	70	
Institute of Management and Information Science, Odisha	70	75	40	90	25	95	90	65	70	
Lala Lajpatrai Institute of Management, Maharashtra	70	65	75	55	70	35	55	75	95	
MIT School of Telecom Management, Maharashtra	70	75	45	70	80	30	75	55	95	
PES University, Karnataka	70	60	90	50	65	40	70	50	95	
Prestige Institute of Management Gwalior, Madhya Pradesh	70	75	35	65	60	45	90	70	95	
St. Joseph's Institute of Management, Tamil Nadu	70	70	60	75	80	35	65	25	70	
Universal Business School, Maharashtra	75	70	70	70	65	85	70	70	45	

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The School of Management focuses intensely on the quality of input, teaching-learning processes including curriculum design and pedagogy, competent and motivated faculty, quality infrastructure including IT support and most importantly industry interaction. Stress is laid on holistic learning, entrepreneurship, values and professional ethics.

The School of Management also draws upon the faculty resource and knowledge base of School of Engineering and Technology and School of Law, the students get synergetic and holistic pedagogical support, which is vital for today's fast changing business world. Choice of electives for the students are not only from the School of Management, but also from other Schools, as the managers in real life need technical, managerial and legal competency sets.



Prof. Prem Vrat welcomes Mr Rajan Jain, Managing Director, GTC Process Technologies India (P) Ltd. and ex-Executive Director (Projects), Engineers India Ltd.



“*If your actions inspire others to dream more, learn more, do more and become more, you are a leader.*

John Quincy Adams



Prof. Prem Vrat
PhD, IIT Delhi
MTech, IIT Kharagpur
FNAE, FNASc,
FWAPS, FISTE, FIIIE
Pro-Chancellor, Professor of
Eminence & Chief Mentor

An outstanding academic, Prof. Prem Vrat, is the Pro-Chancellor, Professor of Eminence and Chief Mentor at THE NORTHCAP UNIVERSITY (formerly ITM University, Gurgaon). Just prior to joining NCU as the Vice-Chancellor, in September 2011, he was Professor of Eminence at the Management Development Institute (MDI), Gurgaon. Prof. Vrat was Founder-Director, IIT Roorkee; Vice-Chancellor, U.P. Technical University, Lucknow; Professor, Dean, Dy. Director and Director-in-charge, IIT Delhi; Professor and Division Chairman of Asian Institute of Technology, Bangkok. He is an Honorary Professor at IIT Delhi and Distinguished Adjunct Professor at AIT, Bangkok. Prof. Prem Vrat was also an Honorary Research Fellow at the Department of Engineering Production, University of Birmingham (U.K.) and as an International Visiting Fellow at University of Western Sydney, Australia. He has extensive experience of more than 47 years in teaching, research, management development and consultancy.

He has guided 38 PhD theses, 118 MTech and 65 BTech major projects on Industrial Application of Systems Approach and Management Science. He has published more than 436 research papers in reputed journals and proceedings of international and national conferences. His research papers have received more than 4200 citations with g-index of 63 and maximum citation of a paper as 595. He has authored/co-authored seven books and completed five sponsored projects and 33 consultancy assignments. His book, 'Productivity Management: A Systems Approach' received awards from DMA as well as ISTD. Springer has published his book, 'Materials Management: An Integrated Systems Approach' under Springer Text Books in Business and Economics and is available both in print and e-book version, worldwide.

Prof. Prem Vrat is a Fellow of the Indian National Academy of Engineering, National Academy of Sciences, World Academy of Productivity Sciences, ISTE and IIIE. Recipient of multiple awards and recognitions, Professor Vrat was conferred Doctor of Engineering (Honoris Causa) by Bundelkhand University; Distinguished Alumnus Award by IIT Kharagpur; Distinguished Service Award by IIT Delhi; Outstanding Contribution Award for National Development by IIT Delhi Alumni Association; Uttaranchal Ratan Award, Lillian Gilbreth Award; 13 Best Paper medals and prizes. Prof. Prem Vrat was honoured with the National Systems Gold Medal by the Systems Society of India (SSI), the highest award conferred by the Society on distinguished scientists and Honorary Member of IIIE, the highest recognition by IIIE. He was conferred the 'Life Time Achievement Award' at the 18th Annual International Conference of the Society of Operations Management at IIT Roorkee in December 2014. SAE India Foundation bestowed on him the 'Guru' award in August 2015 for his outstanding contribution in SAE activities.

Prof. Vrat has been on the Board of Governors of many technical institutions and universities, on the



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enables you to do
more than what
your job requires,
is it freedom or
more responsibility?

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editorial boards of many Indian and foreign journals. He was Chairman (NWRC), AICTE, Programme Implementation Committee (PIC) of National Project on Earthquake Engineering Education (NPEEE); Chairman, Working Group on HRD in IT, Department of IT, Government of India; Member of Adhoc Task Force (ATF) appointed by the Cabinet Secretariat; Independent Director on the Board of Air India; Member (MEAC) of National Board of Accreditation; Member, Technology Forum of INAE; and Member, Advisory Group of Experts for Technology Upgradation in Indian Railways – 'Make in India'.



Prof. DR Agarwal
PhD, MA (Economics), MSc
Agra University
Professor Emeritus

Prof. DR Agarwal is a veteran with 54 years of teaching and four years of research experience. Prior to joining NCU (formerly ITM University Gurgaon), Professor Agarwal worked as a faculty member in the Department of PG studies in Economics in Dronacharya Government College, Gurgaon. Professor Agarwal also worked as Project-Economist (Class 1 Cadre) on deputation from the Haryana Higher Education Department for four years, and has taught at Kurukshetra University. He formulated a number of development projects/schemes for all round development of Mewat and was instrumental in setting up a vocational training centre and a research-cum- reference library for carrying out research work on Mewat. He was the state level coordinator for training programmes organized by the Department of Higher Education for college teachers and principals. He was a 'Distinguished Faculty' from 1999-2010 of the prestigious programme of The University of London for the courses of BSc (Management) and BSc (Economics) at the external study centre in ITM, Gurgaon (now NCU). The Governor of Haryana honoured Dr Agarwal in 1997, for his contribution in the field of Hindi Literature. Dr Agarwal was conferred the Life Time Achievement Award by the Director General Education, Haryana in 2011. He has written several research papers and books on Quantitative Methods, Statistics and Economics. He has been associated with institutes like NIEPA, IGNOU, NCERT, and has been honoured by a number of organizations and the Governor of Haryana.



Dr P Malarvizhi
PhD, MJP Rohilkhand
University, Bareilly
MPhil, MBA, MCom, Madurai
Kamaraj University, Madurai
Associate Professor

Dr P Malarvizhi is an experienced academician and researcher with over 25 years of teaching experience to her credit. She teaches Accounting for Decision Making, Strategic Cost Management, Accounting for Managers, Management Control Systems, Cost & Management Accounting, Financial Accounting, Corporate Taxation, Personal Taxation, Corporate Environmental Accounting & Reporting at the Post Graduate and Undergraduate level. She is an active researcher in the field of Corporate Environmental Accounting & Reporting. She has published research papers in national and international journals and presented diverse research papers both at national conferences (IIT, IIM, MDI etc) and international conferences (London, Scotland, Canada etc.). Dr P Malarvizhi served as an advisor to the Ministry of Environment & Forest (MoEF) Government of India as State Level Expert Appraisal Committee (SEAC) member for Environmental Accounting to advise Delhi Government on Environmental Impact Assessment of Development Projects. She has been invited by the Internal Audit Standards Board of the Institute of Chartered Accountant of India (ICAI) to develop detailed background material on Environmental Accounting, Environmental Reporting and Environmental Audit. She is also invited to be on the employee selection panel of public and private sector organizations in India. She was also an exchange faculty of University of Bradford, UK. She has conducted numerous training sessions for All India Civil Services, Group-A officers (LAS Officers) on 'Environment – Policy & Management', as part of Public Policy & Management Trainings, sponsored by DOP&T, GOI. Dr Malarvizhi has also conducted Management Development Programmes for middle and senior level executives in association with PHDCCI, New Delhi.



Dr Charu Shri
PhD, VMOU, Kota
MBA, CCSU, Meerut
Associate Professor &
Acting Head,
School of Management

Dr Charu Shri is the Acting Head of Department in the School of Management and teaches Entrepreneurship, Organization Behaviour and Quantitative Techniques. She is certified in Entrepreneurship Education from NEN (National Entrepreneurship Network) in the Foundation Course in Entrepreneurship and Advanced Knowledge: Business Models and Business Plans. Dr Charu is a certified trainer of iBizSim: International Business Simulation by iBizSim, Germany. She is also certified in Mind Dynamics and Personal Excellence in 'The NLP Way'. She has conducted Management Development Programmes, Faculty Development Programmes and Staff Development Programmes in several institutes and companies. She has 14 years of experience as a management educator and trainer. She has more than 30 research papers and articles to her credit in national and international conferences and journals. She has edited one book and many chapters in other books.



Dr Sushmita Biswal Waraich
PhD, University of Delhi
MPhil, MA, Utkal University,
Bhubaneswar
Assistant Professor

A faculty with great potential, Dr Sushmita B Waraich is PhD (OB & HR), University of Delhi and MPhil (Industrial Psychology), Utkal University, Bhubaneswar. She also has a PG Diploma in Training and Development. She has over 13 years of work experience in industry, research and teaching at B-schools including teaching at corporates like Ericsson and Genpact (formerly GECIS). Her areas of teaching include HRM, OB, Entrepreneurship and Values and Ethics. Dr Sushmita has worked on projects funded by ICSSR, Ministry of Commerce and Tata McGraw Hill. She has a number of publications/presentations in national and international refereed journals and conferences. She received the Best Dissertation Paper award at the 7th National Research Conference organized by All India Management Association, Doctoral Dissertation Competition in November 2012. Dr Sushmita has invited guest lectures (international) to her credit and has additional interest in writing for national dailies.



Jaya Ahuja
MPhil, ICAI Research Staff
College Hyderabad, ICAI
Business School
MBA, North Maharashtra
University
Assistant Professor

A promising young faculty, Ms Jaya Ahuja is pursuing PhD at Jamia Millia Islamia. She holds an MPhil, MBA, and a Diploma in Labour Law & Labour Welfare. Ms Ahuja keenly pursues her

interest in the areas of Organizational Behaviour, Human Resource Management, Strategic Management, Industrial Relations and Labour Laws. She has over six years of teaching and research experience in the field of HR & OB. She has presented papers in national and international conferences at IIM Bangalore, IIT Delhi, MDI Gurgaon. She has several research publications in national and international journals. She has authored three books in the form of monographs, published by Lambert Academic Publishing, Germany. She has attended a workshop on Coaching and Mentoring by Edu Convex in association with Cambridge University, and was awarded a certificate by the Scottish Qualifications Authority. Ms Ahuja has been a Principal Consultant to coordinate the workshop on International Strategic Human Resource Management for working executives of the University of Colombo, Sri Lanka. She has conducted several workshops on Mentoring, Team Management and Career Counselling. She was a recipient of the Best Faculty award in 2012 and was a Star Performer in 2013-14 at NCU (formerly ITM University, Gurgaon). She is certified in 'White Belt in Variation Reduction' by the American Society for Quality. Ms Jaya is NET-JRF qualified.



Dr Anshu Agrawal
PhD, IIT Delhi
MCom, MA (Economics),
MA (History)
HNB Garhwal University
Assistant Professor

Dr Anshu Agrawal has done PhD on 'Effectiveness of Mergers and Acquisitions' at the Department of Management Studies, IIT Delhi and has five years of research experience in the field of M & A. She holds an MCom, MA (Economics) and MA (History) from HNB Garhwal University. She is keenly interested in the areas of management accounting and financial management, apart from Mergers and Acquisitions. She has published book chapters, and papers in national journals and international conferences. She is NET-JRF qualified.



Dr Shaveta Sachdeva
PhD, MPhil, Dayalbagh
Educational Institute, Agra
MA, Dr Bhimrao Ambedkar
University, Agra
Assistant Professor

Prior to joining NCU Dr Shaveta Sachdeva was teaching at the Dayalbagh Educational Institute, Agra. She completed PhD in Economics, with the research title 'Global Economic Scenario and Business Process Outsourcing Industry: An Analysis'. Her core competency is in the domain of Microeconomics, Macroeconomics, Elementary Statistics and International Economics. Dr Shaveta has participated in several international and national conferences, seminars and workshops. She has published her research papers in journals of repute like International Journal of Research in Commerce, Economics and Management, The Socioscan: An International Quarterly Journal of Ethno and Social Science, Journal of International Economics, etc. Her research interest is in the field of Banking and Finance, Environmental Issues, Global Recession and SMEs. Dr Shaveta has four years of research and teaching experience. She is associated with NCU since January 2015.



Jiveta Chaudhary
MBA, Guru Gobind Singh
Indraprastha University
Assistant Professor

Ms Jiveta Chaudhary focuses on cultivating effective learning experiences through open & constructive communications, discipline, student empowerment and strong content. She has extensive experience in student mentoring, student counselling, career counselling,

personality development, corporate etiquette etc. as a resource person. She has served the ITES and the NBFC service sectors, and has been part of academia for more than seven years. She received accolades for presenting her paper titled, 'Analysis of Relationship between Psychological Empowerment and Organizational Commitment: An Empirical Study of BPO Employees in Gurgaon (India)', at the national conference on Emerging Challenges for Sustainable Business held at IIT Roorkee in June 2012. Ms Jiveta Chaudhary is a product of GGS Indraprastha University holding a BBA, MBA and pursuing PhD in Management (Organizational Behaviour) from the same University. Ms Jiveta is an MBTI® Certified Practitioner. Her areas of interest include Organizational Behaviour & Development, Training & Development, Philosophy of Management, Business Communication, Marketing of Services & Consumer Behaviour. Ms Jiveta has guided more than 65 major MBA research projects, and has to her credit many research paper publications in international journals. She has organized several national and international workshops on Research Methodology, Case Study Development, Quality Education, etc. She is UGC-NET qualified. Presently Ms Jiveta is also pursuing a Diploma in Training & Development ISTD. Her special interests include creative writing, coordinating events and handling operations.



Mohd Hussain Kunroo
MA, University of Hyderabad
Assistant Professor

Mr Mohd Hussain Kunroo is an assistant professor in Economics at the School of Management. Prior to joining NCU (formerly ITM University, Gurgaon) in July 2015, he worked as a Research Associate in the Ministry of Commerce and Industry, Government of India. Mr Kunroo has also taught Economics as a visiting faculty at Amity University, Noida. Mr Kunroo completed his Economics (Hons) from Aligarh Muslim University and Masters in Economics

at University of Hyderabad. He is UGC-NET qualified and is pursuing PhD at the Department of Economics, Jamia Millia Islamia, New Delhi. He has published / presented his research papers in several national and international journals and conferences like DSE, University of Delhi, TIES, and CESS Hyderabad. He has actively participated in workshops on research methodology, quantitative methods and econometrics. His areas of interest include International Trade and Finance, Applied Econometrics, and Empirical Macroeconomics.

*A 'real-world experience' is
a crucial component of our
education and training.*



Karishma
MBA, NPTI, Faridabad
Assistant Professor

Ms Karishma is associated with the University since July 2015 and brings with her more than two years of teaching experience. Ms Karishma is BTech, YMCA, Faridabad and MBA NPTI, Faridabad. She specializes in the areas of Operations Management. She is pursuing her PhD in Operations Management from NCU (formerly ITM University, Gurgaon). Ms Karishma is teaching Project Management to BTech students and Operations Management to BBA students at the University. She has over three years of experience constituting both corporate and academia. She is NET-JRF qualified.



Mansi Khurana
MSc, Banasthali University
Assistant Professor

Ms Mansi Khurana is the recipient of the Canada Commonwealth Scholarship 2011, for a six month research project at Concordia University, Montreal, Canada. Ms Mansi won the Best Graduate Poster award in a conference held at Concordia University, Montreal. She has also worked as a Research Assistant at Concordia University, Montreal. She has over four years of experience in teaching and research and one year's industry experience to her credit. She has submitted her PhD thesis on the topic 'Bias Reduction in Shrinkage Estimator using Resampling Methods in Linear Regression Models' at Banasthali University. Her areas of interest include linear and non-linear models, time series analysis, and various data mining techniques. Her research papers have been published in journals of national and international repute. She is certified in 'Data Science with R' from Jigsaw Academy, Bangalore.

“ Due to IT and knowledge revolution, informational role of a teacher has given way to a broader facilitating role of inculcating a desire to learn – on life-long basis. Today, Google, YouTube, on-line learning resource materials have become ubiquitous. Hence, a teacher must co-create value in a learner in a collaborative manner.

Prof. Prem Vrat, Pro-Chancellor



Parul Munjal
MBA, Panjab University,
Chandigarh
Assistant Professor

Ms Parul Munjal is an assistant professor in the area of Finance. Prior to joining the University, she worked as an Assistant Professor at the University School of Business, Chandigarh University, Mohali for over three years. She has keen interest in Financial Accounting, Banking, Finance and Operations Research. Ms Parul has presented her research papers in national and international conferences and published a paper in a national journal of repute. She is JRF qualified. She is pursuing PhD (Finance) at NCU (formerly ITMU).



Dr Shilpa Sindhu
PhD, CDLU, Sirsa
MBA, Vamnicom, Pune
Assistant Professor

Dr Shilpa Sindhu specializes in Marketing and Marketing Research. Prior to joining NCU (formerly ITM University Gurgaon) in 2012, she worked for six years in marketing and marketing research of agri-products in India. She qualified ARS-NET, conducted by the Indian Council of Agricultural Research (ICAR). She has publications in national and international journals and conference proceedings. Her areas of interest are Principles of Marketing, Retail Marketing, Sales and Distribution. Dr Shilpa has three years of teaching experience. She holds a PhD in Business Administration at CDLU, Sirsa.



Dr Ruchi Nayyar
PhD, Singhania University,
Rajasthan
MCA, IGNOU, Delhi
MBA, SCDL, Pune
Assistant Professor

Dr Ruchi Nayyar specializes in B2C E-Commerce with special emphasis on Internet Retailing. She has keen interest in the area of consumers and brand communication in today's digital world and the development of a digital roadmap by a business. She has conducted management development programmes for marketers focusing on capitalizing on the power of digital media to increase their online visibility and overall marketing efforts. Her PhD was in the field of Online Retailing. She has a Diploma in Computer Engineering from Kasturba Polytechnic for Women, New Delhi. Dr Ruchi has seven years of industry, six years of research and eight years of teaching experience. Her research papers, in the online marketing domain, have been published in several journals of repute.



Sheetal Mittal
MBA, Faculty of
Management Studies,
University of Delhi
Assistant Professor

Ms Sheetal Mittal's areas of interest include Marketing, Consumer Behaviour and Brand Management. Prior to becoming an academican she has worked for nearly six years in the corporate sector as a marketing professional with Nestle India Ltd, Egon Zebnder International and Hindustan Motors. Ms Sheetal started her teaching career from ITM University (now NCU) and now has 10 years of teaching experience to her credit. She is presently pursuing fellowship in Consumer Behaviour at International Management Institute and also pursuing PhD. Her research publications are in the sphere of consumer buying behavior and student engagement in reputed international and national journals.



There is stress on holistic learning, entrepreneurship, values and professional ethics. NCU endeavours to create business leaders of tomorrow – business leaders with a sense of values and ethics, sensitive to the environment and to other human beings.

*Dr Charu Shri,
Acting Head, School of Management*





Palak Mehta
MBA, Amity University
of Rajasthan
CFA, ICFAI University, Jaipur
Assistant Professor

Prior to joining the University in January 2015, Ms Palak Mehta worked for more than two years as an Assistant Professor in the Department of Accounting & Taxation, The IIS University, Jaipur. Ms Palak Mehta is pursuing PhD in Management (Finance) at The IIS University, Jaipur and has joined the University as an assistant professor in the field of Finance. She is a CFA Charter holder. She has publications in national and international journals. Her area of expertise is in Financial Accounting, Cost Accounting, Management Accounting, Taxation, Auditing and Corporate Accounting.



Tripti
MA, Amity University, Noida
Assistant Professor

A faculty with great potential, Ms Tripti is pursuing PhD in International Economics at Amity University, Noida. She holds Masters in Economics from the same University and has also taught at Amity University, for a short period. She has had two months of training from A.C Nielsen, a top marketing research firm in the world. Ms Tripti is BA Economics (Hons.) from the University of Delhi. She is UGC-CBSE NET (Economics) qualified. She has deep interest in the areas of International Economics and Monetary Economics. Her research papers have been published in refereed and reputed international journals.



Sunaina Sangwan
MBA, Banasthali University
Assistant Professor

Ms Sunaina Sangwan is a certified recruiter, and has a number of certifications to her credit such as Negotiation Skills, Six Sigma, Five S, and Business Etiquette. Ms Sunaina is an MBTI certified practitioner. She is pursuing PhD at THE NORTHCAP UNIVERSITY (formerly ITMU). She has attended a workshop on Coaching and Mentoring by Edu Convex in association with Cambridge University, and has been awarded a certificate by the Scottish Qualifications Authority. She has expertise in the areas of Organisational Behaviour, Human Resource Management, and Talent Acquisition. She has research publications in national and international journals like Franklin Publishing, USA. Ms Sunaina has two years of industry and four years of teaching experience.



Dr Nirupma Gupta
PhD, GGSIP University, Delhi,
MPhil, CDL University, Sirsa
MMM, MCom,
Kurukshetra University
Assistant Professor

Dr Nirupma Gupta's areas of interest include Consumer Behaviour, Retail Marketing, Sales and Distribution Management, Human Resource Management, and Organization Behaviour and she specializes in the domain of Marketing. She has a Post Graduate Diploma in Business Administration (HRM), Kedarnath Aggarwal Institute of Management, Bhiwani. Prior to joining NCU (formerly ITMU) in October 2012, she worked as a full-time faculty

member for two years and a visiting faculty member for three years at various graduate and postgraduate colleges in the field of Marketing and Human Resource Management. She has several research publications in national conference proceedings and national and international peer-reviewed journals.

*The needs of society have
evolved over the years and
education is, without a doubt,
a catalyst for growth.*



Dr Saumya Dixit
PhD, MBA, Indian Institute of
Information Technology,
Allahabad
Assistant Professor

Dr Saumya Dixit's present research focuses on e-waste management. Her research interests include Reverse Logistics, Green Supply Chain, Pro-environmental Consumer Behaviour. Her research papers have been published in peer reviewed international journals. She has attended workshops on case writing conducted by premiere B-schools and has cases registered with The Case Centre (former ECCH). She has two years of teaching experience. She has keen interest in the domain of Brand Management, Integrated Marketing Communication, Principles of Marketing and Principles of Management. She has qualified UGC-NET.

Events: School of Management



A special lecture on 'Linking Education to Change, Entrepreneurship and Innovation' followed by Mr Vivek Singhal (Ex. IITD)



Prof. Rajat Kathuria delivering a lecture on India's Macro-Economic Revival



Dr Ranjit Sinha, Adjunct Professor, School of Management, delivering a talk



Prof. Prem Vrat felicitates Mr Annurag Batra, Chairman and Editor-in-Chief, Businessworld



Workshop conducted by Mr Priyo Guba, and Mr Somit Madan, Senior Managers, DSC Club



Prof. GB Singh (Indian Statistical Institute, New Delhi, JNU and MDI, Gurgaon) delivering a lecture on 'Economics of Real Estate in India'



Workshop on 'Digital Library Resources' by Mr Shantanu of PROQUEST



Lecture by Mr Rajesh Kumar Jha, Regional Legal Director-South East Asia, Reckitt Benckiser Ltd.

School of Law

The vision of the School of Law is to be ranked amongst the premier law schools of the country. The School is committed to providing the highest quality professional legal education to equip students to face the challenges posed by the internationalization of the legal profession and to equip them for a transnational practice.

Apart from a team of competent and dedicated law teachers, a host of other legal professionals like judges, eminent lawyers, in-house general counsels, activists, bureaucrats and leaders of the bar and the bench, regularly groom our students on lawyering and critical legal thinking skills.



Professor Saligram Bhatt, Adjunct Professor of Law delivered a special lecture on 'Change in sustainable development in India'



“ I chose to go to law school because I thought that someday, somehow I'd make a difference.

Christopher Darden



Professor Pushpesh Pant
PhD (JNU)
Professor & Dean,
School of Law

Formerly Professor of International Relations at JNU, Prof. Pushpesh Pant served in the Executive and Academic Councils of various Universities. He was also the Course Director for the IFS probationers training programme at the School of International Studies. He designed and developed the basic course on Indian Foreign Policy for the IFS Institute. Prof. Pant has 42 years of teaching experience at the Delhi University and the Jawaharlal Nehru University. He has guided over 25 PhD and 75 MPhil scholars. He has been a Visiting Professor at the Indian Academy of International Law and Diplomacy, New Delhi.

Prof. Pant was an Advisor to the Department of Culture and to the Steering Committee for Technological Missions, Department of Science and Technology, Government of India. He is a Member of the Institute of Defense Studies and Analyses and Member of the Indian Council of World Affairs. He has been advisor to the National Book Trust of India, and Member, Committee on Youth Tourism, Ministry of Tourism, GOI. He has worked extensively with the media including radio and television programmes on varied topics.

Professor Pant has contributed research articles in prominent journals including India Quarterly, International Studies and IDSJ Journal, and newspaper columns and articles in national dailies.



Dr Praveen Kumar Lohchab
PhD, LLM, Maharshi Dayanand
University, Rohtak
Assistant Professor &
Officiating Head,
School of Law

Dr Praveen Kumar Lohchab's areas of interest are Environmental Law, Property Law, Constitutional Law, and Comparative Constitutional Law. Prior to joining ITM University (now NCU), Mr Lohchab has taught at the Delhi Institute of Rural Development, New Delhi, affiliated to GGSIP University, Delhi. He started his career as a legal associate in the Punjab and Haryana High Court, Chandigarh with the firm RK Sibag & Associates, Chandigarh. Mr Lohchab is the recipient of the Gold-Medal for securing First Rank in BA-LLB at the MD University Merit List (2007). Mr Lohchab has contributed 14 research papers to peer-reviewed national and international journals. He takes keen interest and actively participates in various national and international conferences and workshops. Recently, he has published his first e-book entitled 'Global E-Waste Management Laws'. He was recently awarded a PhD in Environmental Law by MD University, Rohtak. He is NET-JRF qualified.



Dr Arvind P Bhanu
PhD, LLM, Aligarh
Muslim University, Aligarh
MA, Dr BR Ambedkar
University, Agra
Associate Professor

Dr Arvind P Bhanu has been working in the field of law for more than a decade. He has served various institutes in different capacities, from Assistant Professor to Principal and Head. He specializes in Constitutional Law and his PhD was in the same area. He also has a PG Diploma in Labour Laws and Labour Relations, AMU, Aligarh. He has 41 research publications on different issues, in national and international journals of repute and has been a columnist in the magazine 'LAWZ'. He has presented several research papers in national and international conferences. Dr Bhanu has been on the list of panels of examiners in universities and other Hon'ble establishment. He is guiding four PhD scholars. Constitutional Law and Law of Crimes are his favourite research areas. Dr Bhanu is UGC-NET qualified.

“THE NORTHCAP UNIVERSITY has helped me develop a multifaceted personality. Studying Law, with a multidisciplinary approach, is really intriguing and fascinating.

*Anurag Mehta
3rd Year BBA-LLB(H)*





Dr Rahul J Nikam
PhD, LLM, NALSAR
University of Law,
Hyderabad
Assistant Professor

Dr Rahul J Nikam has keen interest in teaching Law of Contract, Corporate and Business Laws. He is the Faculty Coordinator for NCU Legal Services Committee and Member, SDRG, School of Law. His PhD thesis was on Space Activities and IPR Protection. During the course of his PhD research, he was teaching a variety of subjects including International Law, International Trade Law, IPR, Air Law, and Space Law. He has authored a book on 'Space Activities and IPR Protection' and co-edited a book on 'Space Activities and Contemporary Issues: Perspectives on Asia-Pacific Region'. He has three years of research, five years of teaching as well as two years of industrial experience.



Dr Ritu Gupta
PhD, MDU Rohtak
LLM, CCSU, Meerut
Assistant Professor

Dr Ritu Gupta is associated with NCU since August 2015. She has a PG Diploma in Intellectual Property Rights, Indian Law Institute, Delhi. Dr Ritu has over eight years of teaching and two years of research experience in the RTE sector. She has attended/participated in various international/national conferences. Her research papers have been published in national journals of repute. She is NET qualified.



Archana Sarma
Assistant Professor
MPhil, LLM,
National Law School of
India University, Bangalore

Ms Archana Sarma is passionately interested in Criminal Law and Human Rights. She worked as a Law Researcher at People's Watch, Madurai, where she was involved in research projects pertaining to post-tsunami relief and rehabilitation in Tamil Nadu and Pondicherry. She is pursuing PhD at NLU, Delhi and the title of her thesis is 'Computer Forensics in Criminal Investigation: Challenges for Law Enforcement agencies in India'. Ms Sarma teaches Criminal Law and Human Rights Law. She has been an active participant in many national and international seminars, and written articles in leading journals. Ms Sarma began her teaching career in 2008 as a Law lecturer with MS Ramaiah College of Law, Bengaluru. She has one year's industry, over two years of research and seven years of teaching experience. Ms Archana is passionate about music.



Subhradipta Sarkar
MPhil, LLM, NLSIU, Bengaluru
Assistant Professor

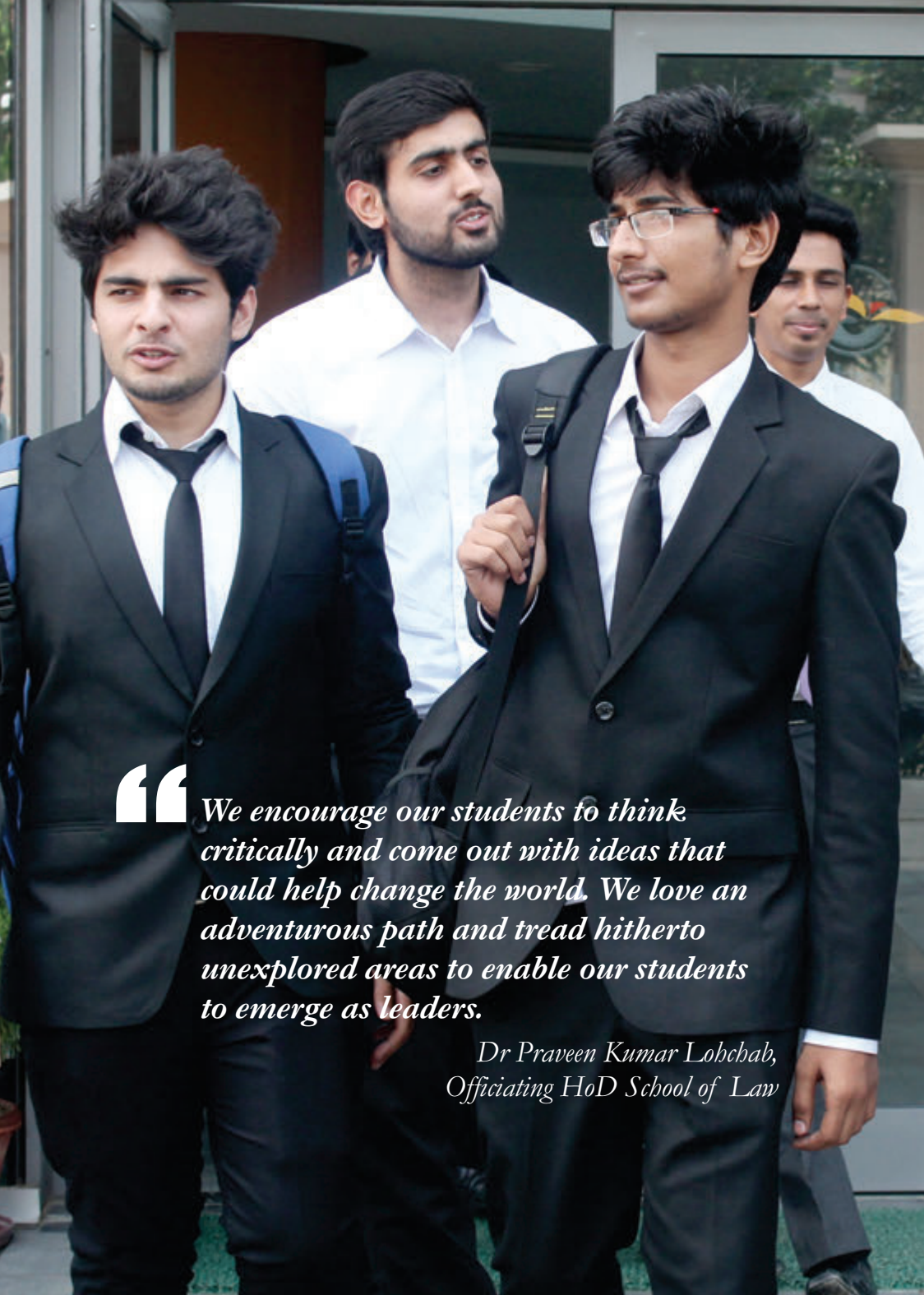
Prior to joining NCU's School of Law in September 2010, Mr Subhradipta Sarkar was an Assistant Professor at MATS Law School, Raipur. Mr Sarkar's areas of interest are primarily Jurisprudence, Human Rights, Refugee Law and Disaster Management. As a student of Law, he has invaluable experience of

interning with institutions like the National Human Rights Commission (NHRC) and the United Nations High Commissioner for Refugees (UNHCR). His professional career began as a Law Researcher at People's Watch, a Madurai-based Human Rights organization, where he dealt with issues involving custodial torture, caste discrimination and the post-tsunami situation. He started his teaching career at the Bangalore Institute of Legal Studies (BILS) as a Law lecturer, in 2008. He is pursuing PhD at NLSIU, Bengaluru and the title of his thesis is 'Centre-staging International Human Rights, Humanitarian and Environmental Concerns in the Natural Disaster Management Legal Regime: An Evaluative Study'. He actively participates in seminars and continues to write in various national and international journals as well as national dailies.



Ambrina Khan
Assistant Professor
LLM, National Law
School of India University,
Bangalore

A brilliant student Ms Ambrina Khan was a Gold Medallist in her LLB, Allahabad University (2011). She is a graduate of the National Law School of India University, Bengaluru (2013) and started her teaching career at THE NORTHCAP UNIVERSITY (formerly ITMU), in July 2014. Ms Ambrina specializes in Human Rights Law and Family Law. She has presented her research papers in several national seminars and conferences. She has worked with Human Rights lawyers and filed PILs relating to the rights of women prisoners in the High Court of Allahabad. Her areas of interest are International Humanitarian Law, Family and Human Rights Laws. She is UGC-NET qualified.



“We encourage our students to think critically and come out with ideas that could help change the world. We love an adventurous path and tread hitherto unexplored areas to enable our students to emerge as leaders.

Dr Praveen Kumar Lobchab,
Officiating HoD School of Law



Pallavi Bajpai
LLM, NALSAR
University of Law,
Hyderabad (Gold Medallist)
Assistant Professor

An outstanding student Ms Pallavi Bajpai was awarded a Gold Medal by the President of India, Hon'ble Shri Pranab Mukbarjee, for her outstanding contribution in the field of Comparative Constitutional Law, during her LLM studies. Her core subjects are International Commercial Arbitration, Business legislations, Corporate Laws and Indian Legal System. As an intern, she has worked with ONGC, Suri & Co. and JP Cement. Her areas of interest are Corporate Law and Governance. Ms Pallavi has participated in several national and international conferences. She started her teaching career at NCU (formerly ITM University, Gurgaon) in August 2014. She is UGC-NET qualified.



Srishty Banerjee
LLM, Delhi University
MA, HP University
Assistant Professor

Ms Srishty Banerjee is a Topper in her graduation and is a recipient of several awards and merit certificates. Her areas of interest include Constitutional Law, Administrative Law and Human Rights. Ms Srishty started her teaching career at Mewar Law College, Ghaziabad, and then worked as an Assistant Professor with Amity University, Noida. She has over two years of teaching experience and has 10 publications at national and international levels, to her credit. She has made more than 10 presentations in various national and international academic conferences. Ms Banerjee is a member of the editorial board of International Journal of Law and Legal Jurisprudence, Legal Desire Quarterly Journal and Law Mantra Online Journal. She is an MA in Public Administration, HP University. She is UGC-NET qualified in law.



Events: School of Law



National Conference on the Protection and Enforcement of the Rights of Women and Children



Ms Abba Kashyap, CEO, Med Spa, delivering a lecture on Marketing Strategies



International Conference on the Protection of Civilians during Armed Conflicts and Other Violent Situations



Dr Anuradha Sai Baba, Legal Advisor, International Committee of the Red Cross, Regional Delegation, delivering a lecture on 'International Humanitarian Law'



Prof. (Dr) BT Kaul, Chairperson, Delhi Judicial Academy delivering a lecture



Lecture by Dr Adish C Aggarwala, President, International Council of Jurists & Chairman, All India Bar Association



Law students visit to Juvenile Home



Lecture by Prof. Marian Pinheiro, Principal Director, School of Law, Vivekananda Institute of Professional Studies, Delhi



Lecture by Prof. SC Raina, Faculty of Law, Delhi University



Dr Praveen Kumar Lobchab chairing the 8th International Conference on 'Recent Advances in Civil Engineering, Architecture and Environmental Engineering for Sustainable Development' (CEAESD- 2015)

Centre for Languages Learning



Dr Shrutimita Mehta
PhD, CCS University, Meerut
MA (English), University of Delhi
Three years' Advanced
Diploma (German),
University of Delhi
Assistant Professor &
Head, Centre for
Languages Learning,
Deputy Dean (Students)

A dynamic and versatile faculty member, Dr Shrutimita Mehta's core competency is in teaching Language Skills, Effective Communication, English Literature, Essentials of English, Phonetics and Business Communication. She is a certified BEC Trainer, and certified by the British High Commission to teach all levels of Business English Certificate Courses.

She has published several papers in national and international journals and has presented papers at various Indian and international seminars and conferences. She has 19 years of teaching and nine years of research experience.

As Deputy Dean (Students), Dr Shrutimita Mehta has contributed significantly in motivating students to get involved in various co-curricular and extra-curricular activities organized at the University.

**“ Possessing good
communication skills is
of utmost importance in
today's world.**

Dr Shrutimita Mehta, Head, CLL



Dr Payal Khurana
PhD, MA, (English),
University of Jammu
Assistant Professor

An outstanding scholar, Dr Payal Khurana is a University topper and received scholarships of merit in her MA (English). She is PhD in English with specialization in American Literature, University of Jammu. Her rich experience includes two years of industry, more than eleven years of research and teaching at different levels i.e. School, College and University. Her expertise is in teaching English Literature, English Language and Communication Skills. She has presented papers in international and national conferences of repute and has many publications in journals and book chapters to her credit. Dr Payal conducts debates and group discussions to improve Communication skills of students. She holds Certificates in Teaching of English (CTE); Basic course in French; HIV and Family Education and Guidance. She is a rapporteur / anchor for quiz programmes, seminars, conferences, debates etc. She is a life member of 'The Society for the study of Multi-Ethnic Literature of United States' and member of 'Inter-University Centre of International Studies'.



Dr Divyabha Vashisth
PhD, MA, Gurukul Kangri
University, Haridwar
Assistant Professor

Dr Divyabha Vashisth is an expert in teaching English Communic, Linguistics and Phonetics, and Advanced Literary Theories. She has presented 16 papers in national and international conferences,

published six papers and supervised several MPhil dissertations. Dr Divyabha has formed a society 'Samvad', which facilitates MUNs, National Youth Parliament, reading, writing and spoken English at NCU. She has also formed a club 'Abhiyukt – a debating Society'. She conducts Communication Workshops, Debates and Group Discussions to improve the Communication skills of students. She is a certified BEC Trainer and is also certified by the British High Commission to teach all levels of Business English Certificate Courses. Dr Divyabha has more than 11 years of teaching and 13 years of research experience.



Ms Prerna Chauhan
MBA (HR), IMT-CDL Ghaziabad
MA (English), IGNOU
CLL – Counsellor and Faculty

Ms Prerna Chauhan is involved in designing and delivery of high impact sessions for a varied adult learner profile. She engages in sessions chiefly related to enhancing English language proficiency, verbal ability and communication skills. She has mentored aspirants on the verbal ability section of the Common Admission Test-CAT. She facilitates sessions on personality development and soft skills including aspects such as body language basics, facing an interview, engaging in group discussions, designing and delivering presentations professionally and aspects of contextual spoken English. She is a certified 'Master Trainer and Facilitator' from Middle Earth-HR in association with Carlton Advanced Management Institute and is keen on behavioural training and organizational interventions that focus on collective growth of employees and add value to the organization. Her special interests include yoga and reading books. Ms Prerna has a multifaceted experience in the field of education and learning with around eleven years of work experience.



Shivani Sharma
MA (English),
University of Delhi
Assistant Professor

Shivani Sharma worked as a Fulbright Foreign Language Teaching Assistant at Boston University, Massachusetts, USA (2014-2015). Presently she is pursuing MPbil at Jamia Millia Islamia, Delhi. She is passionate about improving the reading, writing, speaking and listening skills of students, both at school and university levels. She has participated in academic training workshops by Regional English Language Office (RELO), American Embassy, Delhi. She has written a play for a workshop by renowned Indian playwright Mahesh Dattani. She has been a Material Developer and co-authored units on expository, descriptive and narrative writing for IGNOU. Ms Shivani's special interests include creative writing, photography, theatre and heritage walks. She is associated with the University since July 2015.

“*The University's philosophy is to nurture talent and provide a constructive environment for academic development and the realization of the full potential of all its students.*

*Rakesh Kumar Sharma
BTech, Class of 2000
DGM Telewings Telecom Ltd*



If our
students
make their own
video game,
does it count
as work or play?

Since 1996, we have believed that academics truly make sense only when it is applied to some part of life. So, we try to groom our students in a manner that helps them develop passion for their subject and creativity in its application.

So for us research and innovation isn't just a mere academic obligation, but a mindset. Our project and scholarship alliances with leading corporate houses, as well as student and faculty exchange collaborations with international universities take education to its next level. Our emphasis on student quality and a healthy faculty-student ratio ensures an atmosphere conducive for learning.

With all this, we work towards our goal of bridging the gap between the classroom and the real world.



Established by an Act of Legislation by Government of Haryana & approved by UGC & Bar Council of India.
Bachelors, Masters & Ph.D. programmes offered in Engineering, Management and Law.

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www.ncuindia.edu

School of Professional Attachment

The School of Professional Attachment (SPA) is a unique concept for nurturing students from induction to placements, a bridge between a student and his first job. SPA has been created for the holistic development of the students and to enhance student employability, making them industry ready for a smooth transition from campus to corporate.

SPA's main objective is to equip students with the right kind of skills and attitude so that they become more effective, efficient and productive in their employer's organizations. Students are sponsored for internship, required as a part of their academic curriculum and finally for job opportunities in a suitable company, based upon their field of specialization. The sustained efforts of the SPA have resulted in over 90% placements of students, who passed out in June 2015.



*'Campus to Corporate'
conducted by Ms Anju Jain,
Country HR Manager,
Caterpillar India Ltd.*

Deloitte conducts placement drive at the University



*NCU is leveraging the inherent
advantage the institution has as a
private university, to freely
innovate and design the academic
systems which suit it best.*

School of Professional Attachment



Mr BK Gupta

BSc (Hons) Electrical Engg,
Punjab Engineering College,
Chandigarh
Director,
School of Professional
Attachment

Mr BK Gupta is Director, School of Professional Attachment, ITM University. Academically, in addition to being an Electrical Engineer, he has undergone an advanced management programme at Indian Institute of Management Ahmedabad and a UNDP fellowship at International School of Technology, Norway.

Professionally, he carries with him a rich real-life corporate experience of almost 40 years with corporate giants like BHEL and Engineers India Limited (EIL). His last corporate assignment has been as an Executive Director (Information Technology, Corporate Affairs and Corporate Social Responsibility) at EIL, Asia's leading engineering, project management & consultancy (PMC) organization in the field of petroleum refining, oil & gas processing, petrochemicals, pipelines, fertilizers, ocean engineering, non-ferrous metallurgy & allied fields. He has been responsible for a large number of IT projects of national and international importance in the areas of Business Process Re-engineering, Enterprise Resource Planning, 3-D Plant Design Systems, Knowledge based Expert Systems, Document Management Systems and Project Management Consultancy. He has been very actively involved with imparting corporate training to various PSUs and Government departments. He has to his credit a very rich experience of handling a large number of initiatives in the areas of Corporate Communications, Corporate Planning and Corporate Social Responsibility.



Students make history with 172 placement offers with TCS in a single day!



Mr Manoj Dhar, Dantal Engineering Pvt. Ltd, interacting with students during the on-campus placement drive



Mr BK Gupta welcomes Mr RP Singh, Director, CB&I



Ernst & Young team lighting the lamp before the on-campus placement drive



Deloitte leaders conduct the initial round of the Deloitte Collegiate Cyber Threat Competition (CCTC)



Mr Hemant Boora (Head HR, ICAT) is welcomed by Mr BK Gupta, Director SPA



Mr Devanshu Nagpal, Mabindra & Mabindra at Pre-placement session of Mechanical Engineering students



*A
bridge
between
the
students
and
their
first job*



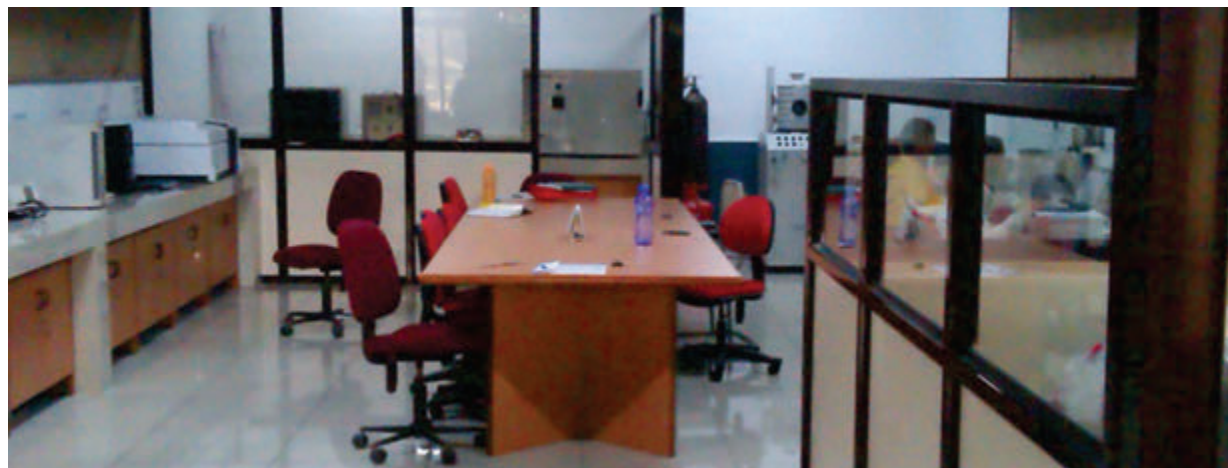
Central Research Facility



Dr Ambika Sharma
PhD, Jaypee University of
Information Technology,
Waknaghat, HP
MSc, HP University
Assistant Professor

A Central Research Facility (CRF) has been established at THE NORTHCAP UNIVERSITY to provide the latest and advanced analytical instruments for research in the areas of Physics, Chemistry, Engineering and interdisciplinary sciences. It has strengthened research-relevant infrastructure of basic science and technology at the University and faculty members are utilising this facility to pursue their research work. Several UG, PG, and PhD level projects funded by NCU and external agencies are being carried out at the facility. CPR is mainly equipped with the following state-of-the-art equipments:

1. Holography set-up
2. UV-VIS-NIR Spectrophotometer
3. L-C-R meter
4. I-V Picometer
5. Vacuum Coating Unit



NCU Library & Information Resource Centre



Deepak Sharma
Assistant Librarian
Master of Library and
Information Science,
Kurukshetra
UGC-NET (LibISc)

THE NORTHCAP UNIVERSITY Library & Information Resource Centre (LIRC) is among one of the best University Libraries of Delhi-NCR. It has a collection of 60,000 books in print, covering all areas of engineering, law, management and social sciences etc. and provides its users the latest and modern services like access to online journals, OPAC and WEBOPAC facility, through Libsys software, bar code based circulation system, reprography service, scanning and printing facility, and above all the Book Bank facility for students. It has a seating capacity for 250 readers and is open from 8.00 am to 8.00 pm on all working days and 8.00 am to 10.00 pm, during examinations. LIRC subscribes to all reputed journals and magazines and to multiple copies of 15 national dailies.

The Multimedia Section has been established at LIRC for easy access to online resources. At present, LIRC is subscribing to IEEE Explore Digital Library, ACM Digital Library, ABI/INFORM, American Society for Civil Engineers (ASCE), American Society for Mechanical Engineers (ASME), Manupatra and Lexis Nexis for Law students, Sage online journals and E-Brary (e-books database) having 1,18,000 e-books. All these resources have IP based access and are accessible from anywhere, through remote access facility.

LIRC's Book Bank facility helps students to concentrate on their studies as it provides them five books in each semester, for permanent retention. The main facilities provided by LIRC include circulation, online renewal of books, photocopy, scanning, printing, reference service, WEBOPAC. Search engine KNIMBUS offers single window access to all LIRC resources.

LIRC is a member of reputed libraries network DELNET (Developing Library Network) and the American Center Library, New Delhi. Students and staff members of the University can access their resources, whenever required. LIRC also organizes events such as the annual book fair, guest lectures and conferences, from time to time, for the benefit of its users



The Public Face of the University

New Academic Block

THE NORTHCAP UNIVERSITY's Auditorium offers an engaging and interactive learning atmosphere representing the 'best public face' of the University. All events that take place in the facility reflect the dignity and decorum of the University itself. It is one of the most modern air conditioned 450 seater Auditorium in the NCR region designed by Mr Saby Sen, chief architect, Sabyasachi Sen & Associates.

The main entrance to the auditorium is through the grand glass-fronted foyer with double glazing and a low emissivity coating as is per international standards. It cuts down on sound and glare, has good thermal performance and provides abundant natural light to make the building energy efficient. The indoor spaces are well lit and adequately ventilated, ensuring that the building's indoor environment is healthy. From the foyer you can view all four floors above, with their free flowing balconies supported on colonnades. You can glance at the beautiful garden with its fountains playing, on the left, and the open staircase visible as a maze, on the right. The foyer offers a large space suitable for meeting and registrations before events taking place in the auditorium and get-togethers etc. later. The auditorium is on the ground floor with balcony seats on the first floor which can be reached with the lifts or by using the staircase.



The auditorium is used primarily by NCU to host international and national conferences, conduct important events like Scholarship Distribution, Annual Convocation, Orientation programmes, placement activities, seminars, FDPs, cultural events etc. The University has close collaboration with the industry and the corporate world and so can offer this unique infrastructure facility also to them to hold conferences, seminars, training programmes and other events including cultural events subject to certain conditions and in keeping with the honour and propriety of the University.

It has state-of-the-art acoustic facilities, high fidelity sound enhancing system, LCD and projection room, stage lighting, power backup and a very large wooden flooring stage with length 32 ft and width of 66 ft. The equipment available include computer, ceiling-mounted digital projector, fixed projection screen, overhead projector, Multi-Region DVD/VCR, whiteboard, speaker telephone, lighted podium, tables etc. A keyboard remote for PowerPoint presentations and wireless microphones are all available. Its key success factor is the interactive space it offers. Another unique feature is that it also provides wheelchair access and has wheelchair stations. Washroom blocks with



modern facilities, with separate washrooms for specially-abled are positioned at the back of the Auditorium on both levels of the Auditorium.

Basement car parking facility is available to visitors and for chauffeur driven cars guests can alight outside the foyer entrance.

Faculty Development

The faculty constitute the core academic resource at THE NORTHCAP UNIVERSITY and the ongoing personal and professional growth of its faculty is a matter of priority for the University. It regularly conducts Faculty Development Programmes to help the faculty develop as scholars, to publish, to share insights within the community of faculty and at professional conferences to improve their work in the classroom. Aside from enhancing faculty effectiveness, such programmes help in improving the quality of instruction students receive by making adjustments in instruction within disciplines in a rapidly changing environment. It also helps in improving the scholarly activity in the campus.



Prof. Ravindra Ojha, Director School of Engineering and Technology conducts FDP in the Department of CSE&IT



Prof. Prem Vrat, Pro-Chancellor, during FDP in School of Management on 'Multi-criterion Decision Making'



Prof. (Dr) R Venkata Rao, Vice-Chancellor, National Law School of India University (NLSIU), Bangalore conducting an FDP



Prof. Kebar Singh during FDP on the theme of 'Engineering Inclusive Teaching and Research',



FDP on 'Outcome Based Teaching and Learning' organized by Department of Applied Sciences and Centre for Languages Learning



Mr Sanjay Sabay, Competency Solutions, conducting a workshop



CCNA Module -1 Certification course at the Summer School 2015 conducted by the Dept. of CSE&IT



A Faculty Development Program (FDP) by Prof. Ajay K Ghatak

Our Gallery of Awardees

*A mediocre teacher tells. A good teacher explains.
A superior teacher demonstrates, but a great teacher inspires.*

Best Teacher Awards

Recipients of our 'Best Teacher' award for the academic year 2014-15 have displayed outstanding performance through inspirational and innovative teaching, effective communication, class participation, passion and commitment. They have enriched the teaching-learning environment at THE NORTHCAP UNIVERSITY by maintaining and setting high standards. Their contribution is testified through sustained excellence in student and peer evaluations, and in their Annual Faculty Appraisal Process.



DR AMBIKA SHARMA
Department of Applied Sciences



MS VAISHALI SAHU
Department of Civil &
Environmental Engineering



DR LATIKA SINGH
Department of Computer Science
and Information Technology



MS SHARDA VASHISTH
Department of Electrical, Electronics
and Communication Engineering

Best Research Paper Awards

To encourage and recognize research activities of Assistant Professors, Associate Professors and PhD scholars of THE NORTHCAP UNIVERSITY, the Publication Award Recommendation Committee (PARC) awarded the Best Research Paper Awards for 2014-15 to :



DR HUKUM SINGH
Department of Applied Sciences



DR SUNANDA VASHISTH
Department of Applied Sciences

'Fully phase image encryption using double random-structured phase masks in gyrator domain.' Applied Optics, 53 (28), 6472-6481 (2014).



DR K. MATHIYAZHAGAN
Department of Mechanical Engineering

'Analysis of enablers for implementation of sustainable supply chain management-a textile case.' Journal of cleaner production, 83 (2014), 391-403.

Support Staff

A strong team of academic and administrative staff at THE NORTHCAP UNIVERSITY is fully committed to support academics.



**Wg Cdr (Retd)
Manohar Vasudev**
Controller of
Examinations



R S Sharma
Estate Manager



Kiran Mrig
Dy Manager
(Students) Admin



Kirti Singhal
Chief Finance &
Accounts Officer



Deepika Deswal
Dy Manager (HR)



Rajendra Sharma
Dy Manager
Accounts



Shibhan Kaul
Dy Manager
Admin



Chetan Singh
Placement Manager



Sunita Pal
Sr Executive
Assistant



AK Dhar
Administrative
Officer



Sudesh Kumar
Sports Officer



Aarti Khunger
ERP Consultant



Rekha Mathur
Sr Copy Editor &
Content Writer



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Technical Editor



Lalit Narayan Lal
Graphic Designer



Aroop Goswamy
Sr Executive
Assistant



Dr Nancy Malik
Medical Officer



Dr Shilpy Wadhwa
Medical Officer



**Maj (Dr)
RK Srivastava (Retd.)**
Medical Officer



Nikita Kapoor
Psychologist cum
Counselor



Vijay Ghai
Sr Executive
Assistant



Brijesh Dubey
Sr Executive
Assistant



Sanjeev Kumar
Security Officer



Akhilesh Kumar
Technical Assistant



Ashutosh Sharma
Sr Executive
Assistant

₹ 10 Million Vice-Chancellor's Innovation Fund

Students at THE NORTHCAP UNIVERSITY do not merely embrace academics but become innovators, ground breakers, leaders and nation builders.

The Vice-Chancellor's Innovation Fund has been instituted to encourage research at THE NORTHCAP UNIVERSITY. The scheme aims at encouraging innovative ideas amongst research workers, faculty members and students to seed research activity.

Research proposals for funding from the VC's Innovation Fund are submitted by faculty members to pursue an innovative research idea. The research proposal can involve collaboration with one or more scholars from THE NORTHCAP UNIVERSITY, including students. The project proposal will be peer reviewed by an expert from THE NORTHCAP UNIVERSITY and one external expert. The principal investigator for the project proposal will also present the proposal to a committee consisting of one member of the Governing Body, the Vice-Chancellor and two professors. The Committee, after considering the referee reports and the project proposal will recommend sanction of the project from VC's Innovation Fund.

A total fund of Rs. 1,52,500/- have been sanctioned for three project proposals of Final year BTech students in the year 2015.

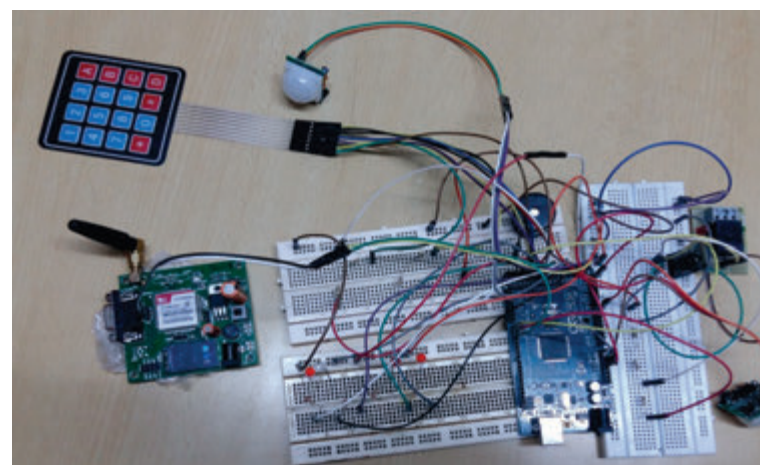
Director (SOET) monitors the progress and outcomes / proper utilization of allocated fund.

S. No.	Student Name	Dept	Faculty Coordinator	Subject Area	Title	Duration	Fund Alloted (Rs)
1	Antariksha Kar, Ishant Bhardwaj	EECE	Mr Siddharth Bhatia	Robotics	Six Degrees of Freedom Autonomous Mobile Robotic Manipulator	2 Year 2 Months	Rs. 1,00,000
2	Udit Handa, Shubham Gupta	EECE	Ms Nidhi Sharma	VLSI (FPGA Implementation) & Signal Processing	Hand Gestures Using Color Segmentation Implementation FPGA	1 Year	Rs. 36,500
3	Sharad Bansal, Nishan Chaturvedi	EECE	Ms Anjali Garg	Engineering and Technology	Security Box	6 Months	Rs. 16,000

Total Fund Sanctioned: Rs. 1,52,500/-



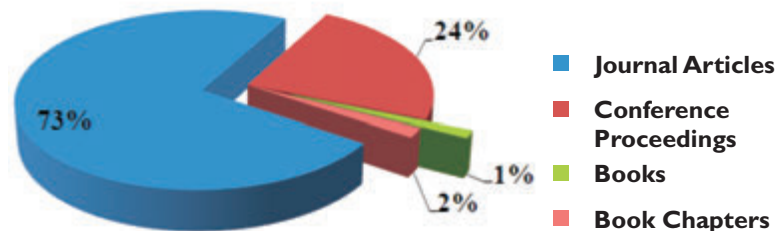
Humanoid robot, 'Dexto:Eka' developed by final year ECE students secured the 2nd Runners-up position in Student's Innovation Pavilion held at GRIDTECH 2015 at ITPO, Pragati Maidan, New Delhi



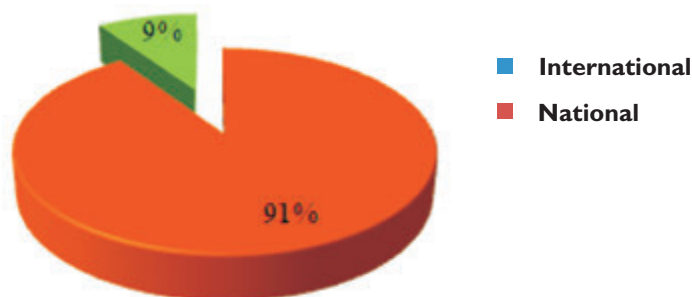
'Security Box' of the Department of EECE is being developed by Sharad Bansal and Nishan Chaturvedi mentored by Ms Anjali Garg

Publications (2014-2015)

Publications	
Journal Articles	184
Conference Proceedings	61
Books	4
Book Chapters	4
TOTAL	253



International	229
National	24
TOTAL	253



List of Book Chapters Published

International

1. Rohit Bhatia, **Bharti Arora**, Jitender Gaur, Eun Ha Choi and Pankaj Attri 'Utility of Bentonite Composite for Waste water Treatment' in Bentonite: Characteristics, Uses and Implications for the Environment, Chapter No. 6, pp. 137-150, Nova Science Publishers, USA, ISBN - 978-1-63482-142-1, **APS2015BC001**.
2. **AK Yadav**, **Sunanda Vashisth**, **Hukum Singh** and **Kehar Singh** (2015) 'Optical Cryptography and Watermarking Using Some Fractional Canonical Transforms, and Structured Masks' in Advances in Optical Science and Engineering, Chapter 5, pp. 25-36, Springer India, ISBN - 978-81-322-2366-5 (Print) 978-81-322-2367-2 (Online), **APS2015BC002**.

National

1. Bharat Gupta and **Nirupma Gupta** 'Peer Influence on Service Purchase Decisions by Young Adults' in Marketing in a Changing and Connected World, Chapter No. 21, pp. 260-270, Bloomsbury Publisher, New Delhi, ISBN - 978-93-84898-84-7, **SOM2015BC001**.
2. **Surbhi Malhotra**, Aarti Sehgal and **Charushri Garg** 'Emerging trends in the E-marketplace' in Marketing in a Changing & Connected World, Chapter No. 9, pp. 112-121, Bloomsbury Publisher, New Delhi, ISBN - 978-93-84898-84-7, **SOM2015BC002**.

List of Publications in Journals

Journals

International

1. Rishika Kaloniya, **Sharda Vashisth** and **Pooja Sabherwal** (2014), 'Study of ECG Signal Features Extraction using Wavelet Transform - A Review', Current trends in signal processing, Vol.4, No.2, pp.1-6, **ECE2014J054**.
2. Malika Narang and **Sharda Vashisth** (2014), 'Infant Cry Analysis for Emotion Detection by using Cross-Correlation Algorithm', Journal of Medical Science and Technology,

- Vol.3, No.2, pp.27-33, **ECE2014J055**.
3. Pankti Brar and **Sharda Vashisth** (2014), 'Arterial stiffness and parameters for its assessment', Journal of computational Biology, Vol.3, No.2, pp.16-19, I.F - 1.564, **ECE2014J056**.
 4. **Shaifali Jain** and Ragi Jain (2014), 'Microcontroller Based Solar tracking System for enhancing efficiency of a Photovoltaic system', Int. Journal of Engineering Research and Applications, Vol.4, No.9, pp. 73-79, I.F - 1.69, **ECE2014J057**.
 5. N Kumar Swamy, N Pavan Kumar, P Venugopal Reddy, Manish Gupta, S Shanmukharao Samatham, D Venkateswarulu, V Ganesan, Vikas Malik and **BK Das** (2014), 'Specific heat and magnetocaloric effect studies in multiferroic YMnO₃', Journal of Thermal Analysis and Calorimetry, Springer Publication, Vol.118, No.1, I.F - 1.982 (JCR), **ECE2014J058**.
 6. **Menka**, Anand Bulusu and S Dasgupta (2015), 'Insights into channel potentials and electron quasi-Fermi potentials for DG tunnel FETs', Journal of Semiconductors, Vol.36, No.1, pp.014005-6, I.F - 0.9, **ECE2015J001**.
 7. Sayan Seal, **Vinay Budhbraja** and Vasundara V Varadan, (2015), 'Enhanced Light Trapping in Thin Film Solar Cells Using a Plasmonic Fishnet Structure', International Journal of Photoenergy, No.910619, pp.1 -8, I.F - 2.166, **ECE2015J002**.
 8. **Prabhat Kumar Sharma**, Ankur Bansal and Parul Garg (2015), 'Relay Assisted Bi-directional Communication in Generalized Turbulence Fading', Journal Of Lightwave Technology, Vol.33, No.1, pp.133-139, I.F - 2.862, **ECE2015J003**.
 9. **Vandana Khanna**, **BK Das**, **Dinesh Bisht**, **Vandana** and PK Singh (2015), 'A three diode model for industrial solar cells and estimation of solar cell parameters using PSO algorithm', Renewable Energy journal, Vol.78, No.1, pp.105-113, I.F - 3.842, **ECE2015J004**.
 10. Nidhi Verma, Ishaan Dua and **Naresh Kumari** (2014), 'Scenario of Rural Electrification in India- Challenges and Impact', International Journal of Engineering Research and Applications, Vol.4, No.12, pp.39-43, I.F - 1.69, **ECE2015J005**.
 11. Aman Jain, Alisha Babbar, Divyanshu Singh and **Sheila Mahapatra** (2015) 'Metal sensing using SCADA', International Journal of Engineering Research and General Science V, Vol.3, No.1, pp. 648-651, **ECE2015J007**.
 12. **Jagdish Shivhare** and BVR Reddy (2015) 'Compact and Small Sized Single, Double and MultiFolded Hairpin Line Microstrip Bandpass Filters for RF/ Wireless Communications', International Invention Journal of Engineering Science and Technology, Vol. 2, No. 1, pp. 10-16, **ECE2015J008**.
 13. Akhil dixit, Rahul Mehendiratta, Tripti Chaudhary and **Naresh Kumari** (2015) 'Review Paper on PLC & Its Applications in Automation Plants', International Journal of Enhanced Research in Science Technology & Engineering, Vol. 4, No. 3, pp. 63-66, **ECE2015J010**.
 14. Divyanshu Singh, Aman Jain and **Naresh Kumari** (2015) 'Starter designing of DC shunt motor and its characteristics', International Journal of Multidisciplinary Research and Development, Vol. 2, No. 1, pp. 534-539, **ECE2015J011**.
 15. Aditi Kaushik and **Pooja Sabherwal** (2015) 'Study of Real-time system for monitoring and analyzing ECG using cell phone - A Review', Current Trends in Signal Processing, Vol. 5, No. 1, pp. 1-6, **ECE2015J013**.
 16. Aakansha Barala and **Pooja Sabherwal** (2015) 'Comparative Study of (operational Transconductance Amplifier) OTA to design Low Pass filter', Journal of VLSI Design Tools and Technology, Vol. 5, No. 2, pp. 11-15, **ECE2015J014**.
 17. Roopa Choker and **Pooja Sabherwal** (2015) 'Biomedical Image Processing: Retinal Blood Vessel segmentation using graph cut Technique', Current Trends in Signal Processing, Vol. 5, No. 1, pp. 17-20, **ECE2015J015**.
 18. Avinash Swami and **Shaveta Arora** (2015) 'Fuzzy based night color image enhancement', Current Trends in Signal Processing, Vol. 5, No. 1, pp. 1-6, **ECE2015J016**.
 19. **Jagdish Shivhare** and BVR Reddy (2015) 'A High Performance and Small Sized Four-Fold Microstrip Hairpin Line Bandpass Filter at 2.250 GHz for Communication Systems', International Journal of Engg and Advanced Technology, Vol. 4, No. 4, pp. 254-260, **ECE2015J017**.
 20. **Jyothi Varanasi**, MM Tripathi and Aditya Patil (2015) 'Transient Stability Improvement of Power System with Phase Shifting Transformer', International Journal of Technology Enhancement and Emerging Engineering, Vol. 3, No. 3, pp. 19-23, **ECE2015J018**.
 21. Vipul Mittal, Tanushree, Madhulika Arora, **Meenakshi Yadav** and Sakshi Chaudhary (2015) '4Bit Magnitude Comparator Design Using Different Logic Style', Journal of VLSI Design Tools and Technology, Vol. 5, No. 2, pp. 16-22, **ECE2015J020**.
 22. **Pankaj Rakheja**, Renu Saini, Nankita Asija and Diwakar Kamboj (2015) 'Unique Cipher Mechanism for Ensuring Secure Data Flow over Network', International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol. 4, No. 5, pp. 4023-4031, **ECE2015J021**.
 23. Ishaan Dua, Prerna Choudhary, Shubham Soni and **Sheila Mahapatra** (2015) 'Microcontroller Based Data Acquisition and Supervision', International Journal of Scientific & Technology Research, Vol.4, No.5, pp.95-99, **ECE2015J022**.
 24. **Mandeep Singh** and **Sheila Mahapatra** (2015) 'Implementation of Passive Filters for Harmonics Reduction', International Journal of Advanced Science and Technology, Vol. 78, No. 1, pp. 1-12, **ECE2015J023**.
 25. Taru Aggarwal and **Sharda Vashisth** (2015) 'Ventricular Arrhythmia Detection Techniques for ECG Signal: A Survey Approach', Research & Reviews: Journal of Neuroscience, Vol. 5, No. 1, pp. 25-30, **ECE2015J024**.
 26. **Anjali Garg**, KS Sandhu and LM Saini (2015) 'Models to investigate the performance of self-excited induction generator under switching operations', International Journal Renewable energy Technology, Vol. 6, No.4, pp.364-390, **ECE2015J025**.
 27. Ankita Jain and **Rekha Vig** (2015) 'Quality Enhancement of Biomedical Images using Super-Resolution Method based on Wavelets', International Journal of Computer Applications, Vol. 117, No. 13, pp. 8-13, **ECE2015J026**.
 28. Vaishali and **Rekha Vig** (2015) 'A Gaussian Feature Adaptive Integrated PCA-ICA Approach for Facial Recognition', International Journal of Computer Science and Mobile Computing, Vol. 4, No. 5, pp. 401-406, **ECE2015J028**.
 29. Suraina Kina and **Rekha Vig** (2015) 'A MFCC Integrated Vector Quantization Model for Speaker Recognition', International Journal of Computer Science and Mobile Computing, Vol. 4, No. 5, pp. 394-400, **ECE2015J029**.
 30. Jyoti Yadav, **Neeraj Kr Shukla**, P Bhatnagar and S Birla (2015) 'Design and Analysis of a Novel Ultra-Low Power SRAM Bit-Cell at 45nm CMOS Technology for Bio-Medical Implants', International Journal of Computer Applications, Vol. 115, No. 18, pp. 1-6, **ECE2015J031**.
 31. Nidhi Gupta and **Sidharth Bhatia** (2015) 'Touchless Human-Computer Interface for In-Car Devices', International Journal of Innovative Research & Development, Vol. 4, No. 6, pp. 49-53, **ECE2015J032**.
 32. Yogita Pail and **Sidharth Bhatia** (2015) 'Free RTOS Based Environmental Data Acquisition Using Arm Cortex M4F

- Core', International Journal of Research in Engineering and Technology, Vol.4, No.4, pp. 680-683, **ECE2015J033**.
33. Manish Kumar, **Sidharth Bhatia** and Monika Rana (2015) 'Vehicle Telematics With Real Time Operating System', International Journal of Research in Engineering and Technology, Vol. 4, No. 5, pp. 203-206, **ECE2015J034**.
 34. Amit Kumar and **Sidharth Bhatia** (2015) 'Atmega 328 Based Menu Ordering System Using Zigbee', International Journal of Scientific & Technology Research, Vol. 4, No. 6, pp. 124-125, **ECE2015J035**.
 35. Pragya Sharma, Upasana Yadav and **Neeraj Kr Shukla** (2014) 'An Expansive and Comparable Study of Effectual Algorithms for Placement in Physical Design', International Journal of Engineering Science and Technology, Vol. 6, No. 11, pp. 771-785, **ECE2015J036**.
 36. Upasana Yadav, Pragya Sharma and **Neeraj Kr Shukla** (2014) 'A Survey on Heuristic Algorithms on Detailed Routing in Physical Design Automation', International Journal of Scientific & Engineering Research, Vol. 5, No. 11, pp. 538-555, **ECE2015J037**.
 37. Munna Khan, Jyoti, **Sharda Vashisth** and Ashok K Salhan (2014) 'Automatic Food Intake Detection for Swallowing Sounds', International Journal of Computer Science System Biology, Vol. 7, No. 5, pp. 95, **ECE2015J038**.
 38. Chirag Gupta, Divyanshu Singh and **Nitin Garg** (2014) 'Measurement and Implementation of Antenna Radiation Pattern', International Journal of Multidisciplinary Research and Development 2014; Vol. 1, No. 7, pp. 407-410, **ECE2015J039**.
 39. Priyanka and **Charu Rana** (2015) 'Design and analysis of low power adiabatic techniques', IJISA, Vol. 7, No. 8, pp. 45-50, **ECE2015J040**.
 40. Anuj Mehta and **Saurabh Sachdeva** (2015) 'Multiband Microstrip Patch Antenna with Coaxial Feed for Commercial Applications', International Journal for Scientific Research & Development, Vol.3, No.3, pp. 2152-2154, **ECE2015J041**.
 41. **Shaifali Jain**, Ankita satija, Anshul Singh and Ayush Jain (2015) 'Intelligent Vehicle Monitoring System using Wireless Communication', Journal of Environment Science, Computer science and Engineering & Technology, Vol. 4, No. 3, pp. 336-343, **ECE2015J043**.
 42. **Pankaj Rakheja**, Renu Saini, Ruchika Bhatia and Nankita Asija (2015) 'A Novel Cipher Mechanism for Securing Data Flow Over the Network', International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol. 4, No. 6, pp. 5446-5452, **ECE2015J044**.
 43. Tejaswiny Singh and **Nandlal Yadav** (2015) 'Voice Recognition Based Patient's Room Automation', International Journal of Research in Engineering and Technology, Vol. 4, No. 6, pp. 308-310, **ECE2015J045**.
 44. **Amanpreet Kaur**, Mohit Ahlawat and **Swaran Ahuja** (2015) 'Estimation, Efficient Resource Allocation and Interference Management Techniques in Femtocell Networks: A survey Approach', International Journal for Research in Applied Science & Engineering Technology, Vol. 3, No. 6, pp. 242-246, **ECE2015J046**.
 45. **Amanpreet Kaur**, Dhiraj Khanna and Harvaneet Kaur (2015) 'Benchmarking of AODV Routing Protocol Implemented for Military Software Defined Radio Waveform', International Journal of Computer Applications, Vol.120, No. 2, pp. 39-42, **ECE2015J047**.
 46. **Vinay Budhbraja** (2015) 'Effect of Sio2 and Sinx Passivation on CDTE Based Solar Cells', International Journal of Engineering Research and Technology, Vol. 4, No. 7, pp. 10-12, **ECE2015J048**.
 47. **Sheila Mahapatra**, Nidhi Verma and Kartik Gupta (2015) 'Implementation of Solid State Relays for Power system Protection', International Journal of Scientific & Technology Research, Vol. 4, No. 6, pp. 65-70, **ECE2015J049**.
 48. Aakansha Barala, **Pooja Sabherwal** and **Nandlal Yadav** (2015) "Analysis of Operational Transconductance Amplifier using 180 nm Technology CMOS Process", Journal of Microelectronics and Solid State Devices, Vol. 2, No. 2, pp. 10-13, **ECE2015J050**.
 49. Rishika Kaloniya and **Pooja Sabherwal** (2015) "ECG signal recordings analysis for detection of sleep apnea", International Journal of Enhanced Research in Science Technology & Engineering, Vol. 4, No. 6, pp. 228-235, **ECE2015J051**.
 50. Pankti Brar and **Sharda Vashisth** (2015) "Piezoelectric sensor to non-invasively detect age associated changes in human carotid pulse", Int. J. Biomedical Engineering and Technology, Vol. 19, No. 1, pp. 40-52, **ECE2015J052**.
 51. Mohit Ahlawat and **Naresh Kumari** (2015) "Wind Energy Scenario: A Survey", Journal of Alternate Energy Sources and Technologies, Vol. 6, No. 2, pp. 12-18, **ECE2015J053**.
 52. Parul Puri, Parul Garg and **Mona Aggarwal** (2015) "Partial Dual-Relay Selection Protocols in Two-Way Relayed FSO Networks", IEEE Journal of Lightwave Technology, pp. 1-7, **ECE2015J054**.
 53. **Shilpa Mahajan**, Jyoteesh Malhotra and Sandeep Sharma (2014), 'An energy balanced QoS based cluster head', Egyptian Informatics Journal, Vol.15, No.3, pp.189-199, **CSE2014J068**.
 54. Priya Hooda and **Supriya Raheja** (2014), 'Vague Logic Approach to Disk Scheduling', International Journal of Intelligent System & Applications, Vol.12, pp.48-54, **CSE2014J069**.
 55. Neetu Gupta and **Hitesh Yadav** (2014), 'BPMN to BPEL:Implementing ATM System', International Journal on Recent and Innovation Trends in Computing and Communication, Vol.2, No.11, pp.3796-3798, **CSE2014J070**.
 56. Neha Gehlot and **Jagdeep Kaur** (2015), 'Dynamic inheritance coupling metric-design and analysis for assessing reusability', International Journal Software Engineering, Technology and Applications, Vol.1, No.1, pp.118-133, **CSE2015J001**.
 57. Jasmeet and **Neha Singh** (2015) 'Web Vulnerabilities caused by Social Media Web Service Integration', International Journal of Innovative Research in Computer and Communication Engineering, Vol. 3, No. 1, pp. 66-70, **CSE2015J002**.
 58. **Jyotika Pruthi** and **Gaurav Gupta** (2015) 'Metaheuristics: Statistical Modelling and Application for Image Segmentation and Image Enhancement', International Journal of Innovations & Advancement in Computer Science, Vol. 4, pp. 683-695, **CSE2015J003**.
 59. **Manisha Saini** and **Rita Chhikara** (2015) 'Performance Evaluation of DCT & DWT features for Blind Image Steganalysis using Neural Networks', International Journal of Computer Applications, Vol. 114, No. 5, pp. 20-23, **CSE2015J004**.
 60. **Swati Mittal** and **Geetika Munjal** (2015) 'Tree Mining and Tree Validation Metrics: A Review', IOSR Journal of Computer Engineering (IOSR-JCE), pp. 31-36, **CSE2015J005**.
 61. Prerna Priyadarshini and **Neeti Kashyap** (2015) 'Intrusion Detection in MANETS for Wormhole Attack', International Journal of Advance Foundation and Research in Computer, Vol. 2, No. 4, pp. 28-34, **CSE2015J006**.
 62. Kishu Pathania and **Shilpa Mahajan** (2015) 'Optimum Path Connectivity and Coverage in WSN to Increase Network Lifetime: A Review', IJCA, Vol. 115, No. 18, pp. 11-15, **CSE2015J007**.
 63. **Neha Sahu** and Chhavi Sharma (2015) 'Efficient Removal of

- Impulse Noise from Digital Images', Communications on Applied Electronics, Vol. 1, No. 4, pp. 34-38, **CSE2015J008**.
64. Neetu Gupta and **Hitesh Yadav** (2015) 'Events Modelling From BPMN to BPEL', International Journal of Innovations & Advancement in Computer Science, Vol. 4, pp. 570-572, **CSE2015J009**.
 65. Tannu Vats and **Sujata** (2015) 'Lean Six Sigma Frameworks: An Improvement in Teaching-Learning Process', International Journal of Science and Engineering Applications, Vol. 4, No. 1, pp. 17-23, **CSE2015J010**.
 66. **Prachi** and Seema Verma (2015) 'Communication Architecture for Underwater Wireless Sensor Network', International Journal of Computer Network and Information Security, Vol. 7, No. 6, pp. 67-74, **CSE2015J011**.
 67. **Prachi** (2015) 'A Probabilistic Key Management Protocol based on Kryptograph for WSN', International Journal of Computer Networks and Applications, Vol. 2, No. 2, pp. 76-83, **CSE2015J012**.
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 69. Kamakshi and **Sumanlata Gautam** (2015) 'Speech Feature Extraction And Classification Techniques', Advances in Computer Sciences, Software Solutions, E-Learning, Information & Communication Technology, Vol. 2, No. 1, pp. 18-20, **CSE2015J014**.
 70. **Neha Sahu** and Poonam Dhanekar (2014) 'A Novel Algorithm for Human Facial Expression Recognition using Gabor Filter and Eigenvector', International Journal of Computer Applications, Vol. 97, No. 7, pp. 17-21, **CSE2014J015**.
 71. Seema Verma and **Prachi** (2014) 'Key Pre-distribution Scheme for WSNs', Ad Hoc & Sensor Wireless Networks, Vol. 23, No. 0, pp. 47-67, **CSE2014J016**.
 72. Mehak Khurana and **Meena Kumari** (2015) 'Security Primitives: Block and Stream Ciphers', International Journal of Innovations & Advancement in Computer Science, Vol. 4, pp. 471-481, **CSE2015J017**.
 73. **Geetika** and Swati Mittal (2015) 'Mining Ordered Embedded and Induced Tree Patterns: An Overview', Journal of Basic and Applied Engineering Research, Vol. 2, No. 10, pp. 874-877, **CSE2015J018**.
 74. Shobhna Singh and **Prachi** (2015) 'Decision Making via Demand Forecasting in the Building Structures for Energy Management through Multi-Agents', International Journal of Computer Science and Information Technology Research, Vol. 3, No. 2, pp. 586-591, **CSE2015J019**.
 75. **Prachi** and Nikita (2015) 'Mobile IP and Comparison between Mobile IPv4 and IPv6', Journal of Network Communications and Emerging Technologies, Vol. 2, No. 1, pp. 72-77, **CSE2015J020**.
 76. Jasmeet Kaur and **Neha Singh** (2015) 'Quality of Service Based Impact Provider Model for Composition of Web Services', International Journal of Innovative Research in Computer and Communication Engineering, Vol. 3, No. 4, pp. 3071-3079, **CSE2015J021**.
 77. **Yogita Gigras** and Oshina Vasisth (2015) 'Comparison of Bat with PSO for Path Planning Problems', International Journal of Engineering Development and Research, Vol. 3, No. 2, pp. 590-595, **CSE2015J022**.
 78. **Yogita Gigras**, Kusum Gupta, Vandana and **Kavita Choudhary** (2015) 'A Comparison between Bat Algorithm and Cuckoo Search for Path Planning', International Journal of Innovative Research in Computer and Communication Engineering, Vol. 3, No. 5, pp. 4459-4466, **CSE2015J023**.
 79. Ritu and **Akansha Singh** (2015) 'A Study on Image Fusion Techniques for Medical Image Enhancement', International Journal of Computer Science and Mobile Computing, Vol. 4, No. 5, pp. 192-197, **CSE2015J024**.
 80. Suruchi Koul and **Rita Chhikara** (2015) 'A Hybrid Genetic Algorithm to Improve Feature Selection', International Journal of Engineering Research & Technology, Vol. 4, No. 5, pp. 415-419, **CSE2015J025**.
 81. Anshul Solanki and **Neeti Kashyap** (2015) 'Exploration to the Issues and Challenges Associated with Mobile Ad-Hoc Network', International Journal of Computer Science and Mobile Computing, Vol. 4, No. 5, pp. 371-374, **CSE2015J026**.
 82. **Anil Kumar Mishra**, Pushpa Yadav and **Latika Singh** (2015) 'Essential Characteristics for Ubiquitous Projects', International Journal of Computer Science and Information Technologies, Vol. 6, No. 2, pp. 1897-1899, **CSE2015J027**.
 83. **Anil Kumar Mishra**, Pushpa Yadav and **Latika Singh** (2015) 'Increasing the Ubiquity that based on Key Value Model in Ubiquitous Computing', International Journal of Computer Science and Mobile Computing, Vol. 4, No. 4, pp. 732-742, **CSE2015J028**.
 84. **Anil Kumar Mishra** and Diksha Nagpal (2015) 'Level of Ubiquity of Various Software Projects', International Journal of Computer Science and Information Technologies, Vol. 6, No. 3, pp. 2667-2670, **CSE2015J029**.
 85. Neha Sharma and **Sujata** (2015) 'Model Based Test Case Prioritization for Cost Reduction using Genetic Algorithm', International Journal of Science and Engineering Applications, Vol. 4, No. 3, pp. 105-110, **CSE2015J030**.
 86. Tannu Vats and **Sujata** (2015) 'Lean Six Sigma Model to Improve Student Performance', International Journal of Computer Science and Technology, Vol. 6, No. 2, pp. 175-178, **CSE2015J031**.
 87. **Poonam Sharma** and Ajay Sharma (2015) 'Hiding/Disabling Applications based on secure zones', International Journal of Foundation and Research in Computer, Vol. 2, No. 5, pp. 121-126, **CSE2015J032**.
 88. Pooja Yadav and **Gaurav Aggarwal** (2015) 'Speech Emotion Classification using Machine Learning', International Journal of Computer Applications, Vol. 118, No. 13, pp. 44-47, **CSE2015J033**.
 89. Neetu Chahal and **Anuradha** (2015) 'A Clustering Adaptive Neural Network Approach for Leaf Disease Identification', International Journal of Computer Applications, Vol. 120, No. 11, pp. 30-33, **CSE2015J034**.
 90. **Deepti Gaur** and Arpita (2015) 'Modified FAST: A New optimal Feature Subset Selection Algorithm', Journal of Information and Communication Convergence Engineering, Vol. 13, No. 2, pp. 113-122, **CSE2015J035**.
 91. Sonakshi Dahiya and **Yogita Gigras** (2015) 'A Neuro-Fuzzy Integrated Clustering for Weather Knowledge Analysis', International Journal of Computer Applications, Vol. 120, No. 5, pp. 13-16, **CSE2015J036**.
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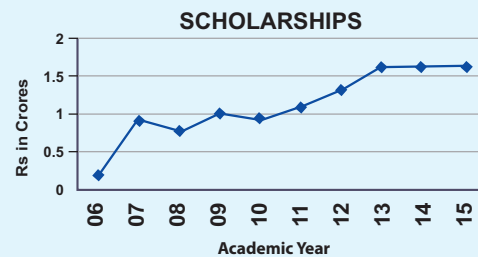
Scholarships

*If You Have The Will To Fly,
We'll Be The Wings*

We at THE NORTHCAP UNIVERSITY believe that if you are committed, nothing should constrain you from realizing your dreams.

In keeping with this belief, THE NORTHCAP UNIVERSITY awards 'Merit cum Means' Scholarships to give wings to pursue undergraduate and post-graduate education at the University.

Upto 250 deserving students admitted to any of our Technical and Professional courses are awarded scholarships.



Prof. Ved Prakash, Chairman-UGC distributing fee concessions and scholarship at the University-2011



His Excellency Shri Jagannath Pabadia, Former Governor of Haryana distributing Scholarships at the University-2012



Dr. Ranbir Singh, President of Association of Indian Universities (AIU), and Vice-Chancellor, National Law School, Delhi presented the awards (2015)



Prof. DP Agrawal, Chairman-UPSC, distributing medals and scholarships at the University-2013



Hon'ble Prof. Kaptan Singh Solanki Governor of Haryana distributing Scholarships at the University-2014

Convocation



The Founders and members of the Governing Body of THE NORTHCAP UNIVERSITY with the Chief Guest Shri Balmiki Prasad Singh, IAS (Retd), Ex-Governor Sikkim on the dais



The Chief Guest lights the lamp to inaugurate the function



Eager students await their turn to receive their respective degrees



The Chief Guest presents a student a Certificate of Excellence

In The News

ITM team develops women safety app



ITM University students developed an application as a safety measure to fight crimes against women. This app has been selected for the National Campaign 'Beti Bachao-Beti Padhao' (Save girl child-Educate girl child) by the Haryana government to create awareness about the campaign running in the city to save and educate the girl child.

The app has been developed by the teacher and students team and interestingly the android based app eats in less than 1MB space. The app has a button that will appear on the mobile screens upon downloading. In an emergency

Girls outshine boys in B-school pay packages

Himani Chandra Burtse
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NEW DELHI: Girls have come into their own at India's business schools this year. At several top ranking institutions across the country, the average CTC (cost to company) of female candidates is higher than the pay packages of male candidates. For instance, Faculty of Management Studies (FMS) in Delhi saw girls bag an average CTC of ₹20 lakh per annum, against ₹16 lakh for boys. The average pay packages offered to male students were ₹14 lakh in excess of the packages offered to girls.

Still last year, according to a survey, "The changing trend is only a testament of how women today have come to play a very important role in corporate world," said the FMS spokesperson.

Based on stock exchanges are facing a deadline to appoint at least one woman director to their boards. It seems companies are adopting a strategy of employing more women to build a strong talent pipeline of women for future roles.

"Surprisingly, now companies are focusing more on diversity in hiring in order to increase the percent-



Illustration: ANSHU KUMAR SINGH

age of female employees," said BK Gupta, director, ITM University, Gurgaon. "An HR representative of a leading company mentioned that they are looking forward to an alignment with

the government strategies for making women more empowered."

Several colleges echoed similar trend. At IMT Ghaziabad, average package of female stood at ₹18.17 lakh against ₹15.21 lakh for males. At Indian School of Business (ISB) which has not completed the placement process yet, the trend seems to be a preference for women professionals, and higher pay packages.

Three Indian Institute of Management centres that IT contacted could not reply as they were awaiting their audited reports on placements by consultancy firm Cricil.

AROUND THE WORLD

KNOWING A FOREIGN LANGUAGE CAN PROVIDE A GLOBAL EDGE AND WILL DEFINITELY ENHANCE EMPLOYABILITY, SAYS REKHA MATHUR

The impact of globalisation, expanding overseas trade, travel and growing business has increased the demand for learning of foreign languages in India. International Technical Education Services Inc. (ITES) has brought a lot of job opportunities. This sector has opened up immense potential for language communication, interpretation, translation and writing in many foreign languages like European as well as Asian.

Score of students goes with a degree depends on the skills they learn their expertise in core competencies. Knowing a foreign language where a corporate may be manufacturing or has in business market place is a competitive edge to the job seeker in the global technical area like insurance management, public relations, marketing and communication network. A growing number of corporates, especially consumer goods multinational prefer employees with working knowledge of European languages such as German, French and Spanish. In past centuries and millennia, foreign language expert professionals, interpreters and translators, guided at overseas leaders and great

The scenario of internationalisation in their companies are expanding into global markets or introducing their business ventures. Knowledge of the language where the company is expanding would give a great edge to the employee and can make him/her more important to the business. Effective communication in the local language is a vital skill for relationship building and customer service that will lead to the financial success of the company. Some employers are willing to offer additional compensation to employees who have a language that is important for their business.

If a company has an office in Japan and the job applicant knows Japanese, the company offers placement to that candidate, as they don't have to spend on training the candidate. Communication skills, interpreted as well as interpreted in the native language through environmental sensitivity and action. They are the biggest assets for everyday transactions. They are required to communicate with other employees, customer and giving feedback, negotiating with team members, facilitating and contributing to team, developing, interacting, working, interpreting and writing. Communication, problem solving and resolving conflicts, in making presentations and conducting interviews. Research shows that it facilitates better business skills, are more confident and achieve higher success.



The Northcap University, Gurgaon felicitates teachers on Teacher's day



Teachers being felicitated on Teacher's day at The Northcap University, Gurgaon.

Gurgaon, September 5, 2015: Teachers play a major role in making students responsible citizens and good beings. The Northcap University, Gurgaon celebrates Teacher's Day with great fervor and revelry to pay to the teachers for their praiseworthy contribution to society. The Pro-Chancellor, Prof. Prem Virat and Chancellor, Brig. SK Sharma (Retd) felicitated 11 from different departments of the University-IT Law, and Management with Best Teacher Award.

Speaking on the occasion, Brig. Sharma praised the involvement of the University's faculty towards development of the students. He mentioned that faculties at NCU are not only committed to provide technical education, but they also help the students to become good human beings.

The students, faculty and staff of the University, together to celebrate the day. The students of IT University presented a skit show and a video for screening their life at the University.

REPERTOIRE OF LEARNING

IN TODAY'S COMPETITIVE WORLD THE NEED OF THE HOUR IS TO FOCUS ON CREATIVITY AND THINK CRITICALLY, SAYS SUSHMITA BISWAL WARAICH

Students today enter college just after a long hiatus in the structured school environment. They are suddenly faced with a new learning environment, which they have to tackle all at once. At the same time, they are expected to handle things in a matured manner. Entering college life is a major transition from the secure atmosphere of a school. Normally, students focus their attention on the fun component while entering college, not realising that there are a lot of responsibilities attached. For making the entire journey of college worthwhile, students need to focus on the important things.

■ **Prioritising:** In an endeavour to align with the industry's demands, educational institutions try to groom the students from day one. With this, the number of assignments, projects and other pressures go up. Apart from the curriculum work, there could be a lot of other engagements at personal level also. For this, students need to prioritise so that the most important tasks are completed well within the time frame allotted and then attend to the less important ones. Along with prioritising, planning should go hand-in-hand, before venturing into any activity or event.

■ **Respecting deadlines:** It is easy for students to come up with creative excuses for not being able to finish on time, but this is not acceptable at any professional level. They should respect deadlines by doing their necessary preparations well in advance - be it submitting projects, assignments or so. In the process, there will be many hurdles and constraints, but manoeuvring through these would be appreciated rather than whining about the constraints. This goes a long way in helping



en, helps in understanding one's strengths and weaknesses. Experimentation should become a part of life, for the curious young minds. ■ **Can-do attitude:** Students who develop a can-do attitude move ahead of others. At this young age, it is very crucial to not let go any opportunity. Making use of every opportunity would contribute to one's learning and development. Instead of thinking too much about success or failure, taking the plunge would be more important. ■ **Creative and critical thinking:** Students need to develop their creative and critical thinking during these years. In today's competitive world the need of the hour is to focus on creativity and think critically.



Students of ITM University, Gurgaon, posing for a photo.

Students drop a brick, put construction waste to use City duo makes Beti Bachao app

Students drop a brick, put construction waste to use

Students came up with the idea in August 2013 and took one month to design a mould for the construction block.

■ **Experiments were carried out with foundry sand and stone dust to check the compress strength of the material.**

■ **After a few unsuccessful attempts, students measured the right amount of stone dust, foundry sand, and hollow space to be used in a block.**

■ **A successful experiment was carried out in March 2014.**

A recycled brick is 30 cm long and 10 cm wide, almost three times a conventional brick. It makes the assembling of bricks faster. Besides, the blocks cost half of what a conventional clay brick or a fly ash brick does.

Nothing goes waste

While a conventional brick costs ₹10 per sqm, the blocks cost ₹3 per sqm. One of the objectives of the project was to offer something affordable, so that everyone in India can use it. About 20-30% reduction on

material requirement

manufacturing the one-block, coupled with the use of stone dust and foundry sand will lead to considerable cost benefits. Prachi, project manager, said, "I think the students' months to carry out the crucial experiment. "We reduced the amount of fly ash sand and use stone 70% stone dust to maintain good strength of the block and another student.

City duo makes Beti Bachao app

Two students of the city have designed an app called Beti Bachao, Beti Padhao. The app can be downloaded easily without programming skills," said Prachi Singh, Department of computer science and information technology, faculty at the city duo. The app is available on the Google play store. When a woman can see the app on the screen and a message will automatically be sent to the nearest police station.



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