

SHIV NADAR UNIVERSITY



ANNUAL REPORT

2015-16

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VICE-CHANCELLOR'S PROGRESS REPORT (2015-16)

It is my honor and privilege to present the Progress Report of the Shiv Nadar University during 2015-16. Established by an Act of the State of Uttar Pradesh, the Shiv Nadar University began operations on the 18th of August 2011, with 265 undergraduate students pursuing degrees in five engineering majors and mathematics and a single masters student.

Now in our fifth year, the University has grown considerably in scale and scope. Today we have 1,793 students enrolled at the University, coming from 27 States and Union Territories in the country - 1,534 undergraduates, 132 masters, 13 post-graduate diploma and 114 doctoral students, across four schools: School of Humanities & Social Sciences, School of Natural Sciences, School of Engineering, and School of Management & Entrepreneurship. The Schools host 16 academic Departments, ranging from Electrical Engineering to English, from Physics to Marketing and from Economics to Computer Science. We have recently launched a fifth school, the School of Extended Education and Professional Development, which is focused on extending the reach of the University by offering short-duration educational and training programs to individuals, companies, and governmental and non-governmental organizations.



The Goal

Shiv Nadar University is designed as a comprehensive, multidisciplinary, research-focused and student-centric university, which is unique in the country. The mission of the University is to develop and educate the path-shapers of tomorrow, who can shoulder the challenges of globally responsible, and ethical leadership in the 21st Century. The University is envisaged to be an enduring global center of excellence in higher education, which is anchored in research & innovation, driven by an outstanding faculty, supported by national & international academic partnerships.

After a remarkable beginning, and a phenomenal growth in the first few years, the University can now boast of a truly multidisciplinary character, and in this setting, the academic programs have started flourishing on progressive interdisciplinarity and research-led learning.

Innovative Curriculum & Research Focus

The undergraduate curriculum at the Shiv Nadar University has a broad-based common core with the flexibility to allow students to explore - for enhanced breadth of learning and engagement, and the students then acquire the depth in a major subject of their choice.

Not only the curriculum, but the teaching-learning process followed at the University is forward-looking. A major component of the mission of the University is to actively engage faculty and students in the process of creating knowledge, *not* just disseminating it. Research is an integral part of the pedagogy at the University where the students “learn by doing”.

This was echoed in the speech of the Honorable **President of India**, Shri Pranab Mukherjee, when he inaugurated the University and dedicated it to the nation on 18 January 2016: *“The University has adopted a distinct curriculum to nurture students for the exciting opportunities of tomorrow. Its unique approach has the potential to positively influence the higher education landscape of our country in the next two to three decades.”*

All students are admitted on merit through a rigorous admission process conducted by the University. Over 85% of our undergraduate and post-graduate students receive some form of scholarship or financial aid, and all our doctoral students receive stipends and tuition fee waivers.

Research at the University is not limited to faculty and doctoral students. We are now in the second year of our unique 'Opportunities for Undergraduate Research' (OUR) program, which has opened the door for our undergraduate students to conduct original research with faculty, outside the regular curriculum. In its second year, more than 70 projects have been funded, and the results will be presented in the second undergraduate conference to be held early next week.

The University is now registered with the Department of Scientific & Industrial Research (DSIR), Government of India - this is a recognition of the fact that the University is indeed a research institution. The University facilitates research, scholarly and creative endeavors that contribute to the creation of new knowledge at the frontiers of specialized areas as well as at the interface of diverse disciplines. Several research Centers at the University are engaged in such interdisciplinary work, at the Center for Public Affairs and Critical Theory, the Big Data Analytics Center, the Center for Emerging Societies, and the Center of Informatics. The latest in the list is the **Center for Environmental Sciences and Engineering**, which will have a strong multidisciplinary thrust on research, education and outreach in environmental sciences, engineering, and sustainability, in keeping with global demand.

Infrastructure

On its sprawling 256-acre campus, the University has invested heavily on state-of-the-art laboratories, studios, classrooms, the library, student hostels, dining and sports facilities. This University never sleeps, and the research support facilities run 24x7. Our commitment to research is re-affirmed with an internal research investment of about ₹ 200 Crores to date, and an additional ₹ 550 Crores earmarked over the next three years.

Faculty Excellence

Our faculty members come from the best of Universities of India and the world. On joining the University, the system nurtures them and provides the best of opportunities, which has resulted in our faculty already publishing over 350 journal articles, 88 books and chapters in books, 381 conference papers, holding 85 exhibitions and performances, and having attracted a total external funding of INR 12.2 Crores in 39 research projects. The Department of Mathematics, School of Natural Sciences, has received the FIST funding from the Department of Science & Technology.

Some of the research work have become worthy news items already. A team of researchers led by **Dr. Gouriprasanna Roy**, Department of Chemistry, School of Natural Sciences, has discovered a compound that can reverse the effects of environmental mercury poisoning. Another team led by **Dr. Shailja Singh**, Department of Life Sciences, School of Natural Sciences, has discovered a novel class of anti-Malarial and anti-Leishmanial compounds inspired by nature. The breakthrough involves elimination of the malaria parasite by first identifying and then targeting a basic toxin-like protein in the parasite, which is essential for its proliferation and transmission.

Our faculty members have received due recognition and accolades, including the DBT Innovative Young Biotechnologist Awards, INSA Medal for Young Scientist, DBT Ramalingaswami Fellowships, DST INSPIRE Faculty Awards, INSA Aryabhata Medal, Rajiv Gandhi Gold Medal, and the Indus Foundation Award for Research Excellence.

And I take immense pride in informing you that our first two **patent** applications have been filed, one from the School of Engineering and one from the School of Natural Sciences.

International Collaborations

At Shiv Nadar University we are building global partnerships with some of the best institutions around the world, including Carnegie Mellon University, Duke University, the University of Pennsylvania, Babson College, Queen's University and Network n+I Institutions, for an accelerated path towards our goal. The Shiv Nadar University-Duke University Research Collaboration is a model program between the two universities, under which currently four joint research projects are running, supported by both the institutions on equal partnership.

The University is part of the international collaborative project titled Enhancing Quality, Access and Governance of Undergraduate Education in India (E-QUAL). Funded by the European Union and British Council, the € 1.17 million project is being implemented by a Consortium of partners including Ambedkar University, Jadavpur University, King's College, Shiv Nadar University, the University of Bologna, and the University of Hyderabad. The Consortium has the task of creating open educational resources in four key disciplines - Critical Thinking, Cultural Studies, Human Ecology, Natural Resource Management & Sustainable Development.

There have been many distinguished visitors and seminar speakers on our campus. On 18 February 2016 the University organized an innovative, enriching and an interactive first Academic Writing Workshop amidst a high spirited gathering of teachers and writers from Universities across India and abroad. The workshop had an exciting participation of nearly 100 participants from 17 institutions, majority being faculty and students along with researchers and staff.

Recently an **International Office** has been set up at the University to enable collaborations and exchange programs with our existing/potential international partners, liaison with Embassies & international funding agencies as necessary, and facilitate international recruitment & placement.

The University has an active **Institutional Biosafety Committee** (IBSC), approved by the Department of Biotechnology, Government of India. IBSC is mandatory in any organization which intends to carry out or is engaged in research activities involving genetic manipulation of materials, microorganisms, plants or animals.

The University has constituted its first **Institutional Ethics Committee**, which is required to review and approve all types of research proposals involving human participants, looking into the aspects of informed consent process, risk to benefit ratio, distribution of burden, etc. before the start of any such study as well as monitor the research till completion.

The University has now established an **Internal Quality Assurance Cell** (IQAC) in accordance with the guidelines of the National Assessment and Accreditation Council. The main function of the IQAC is the development and application of quality benchmarks/parameters for various academic and administrative activities of the University.

Student Activities

For our students in this residential campus, learning extends beyond the classrooms. The students are engaged in the activities of various Clubs and Professional Societies. I would like to also highlight our flagship initiative, the 'On-Campus Jobs' program to inculcate in our students a sense of responsibility and work ethics. Under this program, students may work up to twenty hours per week in various offices and projects at the University. Over 150 jobs are available on campus, and more than one-third of our students have participated in the program so far.

Our curricula underscore experiential and applied learning. The University's Career Development Center (CDC) is creating a network of sustained external engagement involving internships, service learning projects, and an innovative 'Mentorship Program' through which our students are mentored by leaders in industry, government and civil society organizations. CDC supports students in shaping and managing their careers effectively by helping them identify career choices, providing insights into the latest industry

trends and arranging industry conclaves, industry visits and boot camps. CDC services include Annual Online Assessment and 360 degrees feedback. As of today 91% students of the graduating batch have been placed with 58 companies visiting the campus.

The Founder and Trustees of the Shiv Nadar Foundation and all the faculty, staff and administrators of the Shiv Nadar University view the University as an investment in India's future, our collective contribution of financial and human capital to the process of nation building. The University has generated tremendous momentum for advancement on an accelerated path towards all-round **excellence** - it is the collective effort of the faculty, administrative staff, students and our partners that will get us closer to achieving our dream. Thank you for your support to the University.

7 May 2016

Rupamanjari Ghosh

UNIVERSITY LEADERSHIP

Mr. Shiv Nadar

Founder & Chairman - HCL and Shiv Nadar Foundation

Acknowledged as a visionary by the IT industry, Mr. Shiv Nadar has been a pioneer and a frontrunner of the IT sector in India. In 1994, Mr. Nadar established the Shiv Nadar Foundation to empower individuals to bridge the socio-economic divide and create a more equitable, meritocracy-based society primarily by providing quality education.



Dr. S N Balakrishnan

Chancellor and Chairperson, Executive Council, Shiv Nadar University

Dr. Balakrishnan is Curators' Professor of Aerospace Engineering, Missouri University of Science and Technology, USA. He has held many leadership positions at international conferences and technical societies. He has successfully formulated a new approach to guidance and control called Integrated Guidance and Control (IGC). He is a pioneer in intelligent control and has developed optimal control and filters solutions to spacecraft, helicopter, missile, aircraft, manufacturing and MEMs problems and implemented them. Dr. Balakrishnan also heads IST Rolla, an engineering firm focused on providing clients with the very best in research, development and technology. He is associated with the American Institute of Aeronautics and Astronautics (AIAA) and Sigma Gamma Tau. Dr. Balakrishnan has published more than 250 journal articles and conference papers. He holds a Ph.D. in Aerospace Engineering from the University of Texas at Austin.



Dr. Rupamanjari Ghosh
Vice Chancellor, Shiv Nadar University



Before joining Shiv Nadar University, Dr. Ghosh was at JNU for 23 years where she served as Dean, School of Physical Sciences; Director, Academic Staff College; Founding Member, Standing Committee on Alumni Relations & International Linkages; Chairperson, Gender Sensitization Committee against Sexual Harassment. A Rush Rhees Fellow at the University of Rochester, for "outstanding scholarly ability and the promise of exceptional contributions to scholarship and teaching", and a renowned Quantum Optician, she holds prestigious Visiting Scientist positions on invitation abroad. A recipient of the Stree Shakti Science Samman for her "original contribution to Science", she serves as an expert in crucial DST (Gol) committees in Physical Sciences, and has guided high-school science training as the Chief Advisor for NCERT textbooks. Dr. Ghosh has B.Sc. (Physics honors) and M.Sc. (Physics) degrees from the University of Calcutta, and a very well-recognized Ph.D. from the University of Rochester, New York.

Mr. Rajiv Swarup
President, Shiv Nadar University



Mr. Swarup heads all non-academic functions at Shiv Nadar University including Admissions, Finance, HR, IT, Marketing and Campus Infrastructure. With nearly four decades of corporate experience in incubating, managing and developing both the strategic & operational aspects of large businesses, Mr. Swarup superannuated from HCL America as Senior Corporate Vice President and Chief Customer Officer - Strategic Accounts. He had a fruitful career with HCL Technologies spanning 13 years, working with Software, Engineering and BPO divisions at senior positions. He managed an annual business of \$250 Million and 6000 people, set up and incubated several Development Centers around the globe and was last based in the USA to manage the then largest Global Engineering Outsourcing engagement for HCL. Mr. Swarup did his B. Tech. (Hons) from IIT Kanpur and MBA from the University of Delhi. Mr. Swarup is also a certified Six Sigma Green Belt.

Dr. Shubhro Sen

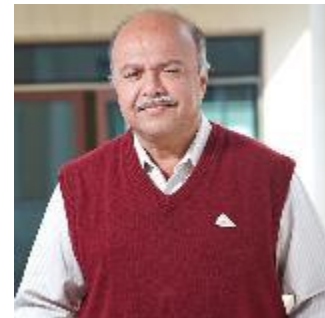
Director of School of Extended Education and Professional Development (SEEPD) and School of Management and Entrepreneurship (SME)



Dr. Sen has a consulting and advisory services portfolio of more than 50 global corporations, including Hewlett Packard, Citigroup, Apple Computer, JP Morgan Chase, Nomura Research Institute, Boston Financial, and Yale University. He is an advisor to the Government of India on education and leadership development and has served on the Agarwal Committee of the HRD ministry. He has also been an advisor to the President's Office, University of South Florida; the Wales Development Authority and the UKTI as well as the governments of Singapore and the Czech Republic. Dr. Sen is a globally recognized authority on Strategic Sourcing as co-founder, and former CEO and Executive Publisher of a dedicated publication and portal on outsourcing in the global financial services sector [FSO magazine].

Dr. Ajay Dandekar

Director of the School of Humanities and Social Sciences (SoHSS) and Center for Public Affairs and Critical Theory (C-PACT)



Dr. Dandekar is a historian and social scientist. He joined Shiv Nadar University in November 2013 as Professor and Head, Department of History and currently the Director of SoHSS. In addition, he is the Director of Center for Public Affairs & Critical Theory. Dr. Dandekar has earlier taught at the School of Social Sciences, Central University, Gujarat; the Institute of Rural Management (IRMA), Anand; The Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar; Tata Institute of Social Sciences, Rural Campus, and the Department of Archaeology, Deccan College, Pune. Dr. Dandekar traverses the world of historical research and policy analysis. His publications include edited and co-authored books, book chapters, articles and policy papers on a range of issues pertaining to cults, policy and analyses on issues of tribal governance, agriculture, planning, rural development and economy, denotified and nomadic communities etc. He is recipient of many Honours and Awards: International Visitor Leadership Programme, Professor K.T.M. Hegde Fellowship.

Dr. Dinkar Prasad

Co-director (Academics), School of Engineering



Dr. Prasad taught in IITs for more than a decade and worked with prestigious industries for nearly fifteen years. He graduated in Electrical Engineering from IIT, Kanpur and joined Tata Motors (then known as TELCO). Later, he did his M.Tech. and Ph.D. from IIT, Kharagpur and briefly taught there before shifting to IIT, Bombay as Assistant Professor in Electrical Engineering Department. He was also a visiting fellow with University of Minnesota, Minneapolis (USA) and during this period he worked on couple of industrial consultancy projects

undertaken by Electrical Engineering Department of University. In 2000, Dr. Prasad rejoined IIT, Kharagpur as Associate Professor in Electrical Engineering Department. Later he served as R&D-Head and Senior Director (Technology) in India unit of a multinational company, Emerson (Network Power Division). He has filed 7 patents with Indian Patent offices and has published nearly two dozen papers in reputed journals and conference proceedings.

Dr. Girish Agrawal

Co-director (Strategy and Planning), School of Engineering

Dr. Agrawal brings more than twenty years of post-doctoral professional experience with geotechnical engineering design and construction, primarily in California. In addition, he has about eight years of teaching experience as visiting faculty in the School of Civil Engineering at Purdue University, and recently as visiting faculty at IIT Delhi. While a practicing engineer, he regularly conducted seminars / workshops on geotechnical engineering field investigation, design, report preparation, and project management. Dr. Agrawal's professional practice in California was focused on transportation infrastructure projects such as elevated and on-grade highways, interstate freeways, dedicated bus corridors, and metro rail. Other projects include buildings / complexes for educational institutions, museums, aquariums, and city halls. His areas of technical expertise include seismic hazard analysis and mitigation, foundations in difficult soils, ground improvement, slope stabilization, deep foundation design and installation, and direct-push subsurface investigations. He also works on the interrelated questions of law and policy as they pertain to transportation infrastructure development and transportation safety in India.



Dr. Amber Habib

Dean of Undergraduate Studies, Shiv Nadar University

Dr. Habib did his MS (Integrated) in Mathematics at IIT Kanpur and Ph.D. at University of California, Berkeley. These were followed by postdoctoral positions at the Harish-Chandra Research Institute, Allahabad, and the Bangalore Centre of the Indian Statistical Institute. His research interests are in representation theory and mathematical finance. For over 15 years, he has been involved in efforts to make mathematics education at the school and college level more interesting and fulfilling through special topics, projects, via an appreciation of the myriad links of mathematics with other disciplines. He has served several times as resident faculty for the Mathematical Training & Talent Search program sponsored by the National Board for Higher Mathematics. At Shiv Nadar University, Dr. Habib has relished the opportunity to take part in designing undergraduate and graduate curricula as well as in setting up a Department of Mathematics that truly believes in "unity in diversity".



Dr. Tulika Chandra

Dean of Students' Welfare, Shiv Nadar University

Dr. Chandra has been actively involved in academics and research for the past 19 years. An M.A., M.Phil. and Ph.D. (Linguistics) from JNU, she is one of the founding faculty member at Shiv Nadar University. A firm believer in gender justice, she has held administrative positions, part of various committees, and has held advisory positions. Dr. Chandra has been an editor for in-house publications at the previous workplaces. She takes sessions as a story-teller with the juveniles and children residing in shelter homes. A folklore collector, she is working on an active project: 'Documentation of Folktales through Digitization', and she is translating folktales and folksongs from Braj & Hindi into English. Her area of interest includes Translation Studies, Regionalism and Narratives in Folklore, Folkloristics, Kurukh Tribals of Jharkhand, and English Language Teaching. She received the Faculty Excellence Award 2011-14 at Shiv Nadar University. Her publications include books, book chapters and journal articles.



Mr. Sudhir Naudiyal

Registrar, Shiv Nadar University

Mr. Naudiyal is a Post Graduate in Commerce, in Education Management and also has a professional Law degree. With a professional experience of 26 years in educational institutions, he has worked in various capacities including HR, Administration, Legal, and Finance & Accounts. Mr. Naudiyal has proven expertise in handling complex issues involved in running educational institutions, specially related to statutory approval process and compliances within the legal framework; essentially covering all aspects of academic administration. He has worked with the Sushant School of Art & Architecture for 22 years as Deputy Registrar, with Ansal University, Gurgaon as Joint Registrar and Officiating Registrar for 4 years before joining Shiv Nadar University. At Ansal University, he played an important role in a training scheme under NEEM (National Employability Enhancement Mission), a Government of India initiative of skill development for providing on the job training to unemployed youth.



ABOUT SHIV NADAR UNIVERSITY

Shiv Nadar University is a comprehensive, multidisciplinary, research-focused and student-centric institution, that is bringing a paradigm shift in higher education in India through its innovative curriculum, interdisciplinary focus, and cross-disciplinary thinking across a wide range of disciplines. The University is building an eco-system of knowledge to promote recognition of the inter-connectedness of ideas, systems, and environments in the world inside the campus, and those outside it.

The University has 5 Schools, 16 Departments and 6 Research Centers engaged in teaching, practice, and research in disciplines as diverse as Engineering, Humanities & Social Sciences, Management, Natural Sciences, Art, Design, Performing Arts, Communication, and Extended Education & Professional Development. The schools offer Bachelor, Masters, and Doctoral degrees along with multidisciplinary curriculum to enable students to explore subjects and disciplines that may be widely different from their chosen Majors. In the near future, an estimated 8000 students will be enrolled at Shiv Nadar University.



Shiv Nadar University is built on a sprawling campus spread over 286 acres of land with state-of-the-art infrastructure, sophisticated laboratories, international standard sports facilities, amphitheatres, auditoriums, conference rooms, and smart classrooms. A natural water body in the campus is home to vivid flora and fauna such as migratory birds, wooded groves, palm tree clusters, and more.

Shiv Nadar University was established by the Act no 12 of 2011 of State Legislature of Uttar Pradesh as a State Private University, and was empowered by the UGC to award degrees under Section 22 of the UGC Act, 1956. The University is currently registered with DSIR, Government of India as a Research Institution.

Vision and Mission

Shiv Nadar University was established in 2011 by the Shiv Nadar Foundation through an Act of the State of Uttar Pradesh.

Mission & Objectives

A comprehensive, multidisciplinary, research-focused, and student-centric university aimed at becoming a leading international institution of higher learning by:

- Developing and educating the path-shapers of tomorrow, who can shoulder the challenges of globally responsible, and ethical leadership in the 21st Century
- Supporting research, scholarly, and creative endeavors that contribute to the creation of new knowledge at the frontiers of specialized areas as well as at the interface of diverse disciplines
- Evolving research and teaching programs that tackle the most pressing problems of the State of Uttar Pradesh, India, and the global community.

Vision and Purpose

To empower individuals and communities to realize and exercise universal freedom through acquisition and application of knowledge by:

- Dedicating to the development, organization, preservation, dissemination, and application of knowledge in a wide range of fields of study
- Committing to excellence in teaching, discovery & innovation, scholarship, and service to expand the scope of human understanding, and contributing to the betterment of the world
- Pledging to serve the higher education needs of State of Uttar Pradesh, India, and the global community.

Values and Principles

- Research, scholarship, and creative activity as fundamental sources of new knowledge, contributions to the betterment of society and expressions of the human spirit
- Pursuit of academic excellence with integrity in an environment of collaboration, collegiality, and civility
- Freedom of inquiry and creation of an intellectual environment conducive to free, open, and respectful exchange of ideas

- Recognition and respect for the diversity of people and ideas, a rational spirit of inclusiveness, a global perspective, and a sense of community as essential conditions for campus life
- Environmental consciousness, sustainability, and prudent management of natural resources as central tenets of the construction and operation of the university
- Commitment to social justice and public service as the foundation of individual, educational, social, and economic development
- Engaged teaching and learning based on dialogue, student involvement, and experiential learning
- Responsible stewardship and thoughtful reflection, collaboration, planning, and evaluation as essential for meeting the changing needs of India and the global community
- Cultivation of character and the modeling of honesty, integrity, compassion, fairness, respect, and ethical behavior, both in the classroom and beyond.

SCHOOLS

School of Engineering

Launched in August 2011, the School of Engineering (SoE) is a pioneering effort in the field of engineering under the aegis of Shiv Nadar University. The School of Engineering aims to provide an international ambience in a local setting with innovative and engaging teaching methods, international guest speakers and key partnerships in research. The institute encourages group learning and provides value-added hard and soft skills workshops along with key internships each summer.

School of Engineering aims to combine research and education at the undergraduate level itself. Drawing upon the rich experience of the SNF in setting up the SSN College of Engineering, the SSN School of Management and Computer Applications and the SSN School of Advanced Software Engineering (in a tie-up with Carnegie Mellon University, Pittsburgh, USA) near Chennai, the School of Engineering has been designed to help students get a well-rounded academic and co-curricular experience.



The School of Engineering currently offers Undergraduate and Doctoral programs in Chemical Engineering, Civil Engineering, Computer Science and Engineering, Electrical Engineering, Electronics and Communication Engineering and Mechanical Engineering. The School of Engineering also provides meritorious applicants with scholarships, internships and other opportunities to enable them to get the finest education.

School of Natural Sciences

Launched in August 2011, the School of Natural Sciences (SoNS) is a pioneering effort for the creation and dissemination of knowledge in the field of natural sciences under the aegis of the Shiv Nadar University.

The School of Natural Sciences aims to provide an international ambience in a local setting with innovative and engaging teaching methods, globally benchmarked curricula, world class faculty, and key partnerships in research. The institute encourages group learning and provides value-added hard and soft skills workshops along with key internships each summer. Undergraduate and Postgraduate programs have been designed on the basis of SNU's underlying philosophy of interdisciplinary and research-led learning.



Located in Greater Noida, Uttar Pradesh and set amidst an integrated, self-sustaining, fully residential green campus, the School of Natural Sciences combines research and education at the undergraduate level itself. The School of Natural Sciences will provide meritorious applicants with scholarships, internships and other opportunities to enable them to get the finest education.

School of Humanities and Social Sciences

In keeping with the overall objective of the Shiv Nadar University, the School of Humanities and Social Sciences (SoHSS) will not only help students distil and assimilate the knowledge that already exists, but also develop new and deeper insights to add to the stock of existing knowledge.

This will be made possible by rigorous classroom teaching, round-the-clock interaction among students from different disciplines housed in the same campus and faculty that follows a single dictum "Good researchers make good teachers." Students will be taught both the abstractions necessary for scientific enquiry and the skills needed to solve immediate and local problems. Our students will therefore, be adept at whatever career they choose, be it in business, government, or research.



School of Management and Entrepreneurship

The School of Management and Entrepreneurship (SME) has been created to usher in a paradigm shift in business education in India. At a time of global uncertainty, volatility and rapid technological disruption, SME aims to develop leaders who are ready to be successful globally....in India; for India and the world.

In addition to a focus on global career readiness and cross-cultural management skills, the SME programs at both the MBA and undergraduate level are distinct because of their focus on the Digital Economy and on providing opportunities for multiple high demand specializations such as Financial Engineering - Quantitative Finance & Trading; E-commerce and Digital Marketing; Data Science and Predictive Analytics; Sustainability & Environmental leadership to name a few.



SME also strongly believes in a balance between knowledge and career skills at one end and self-awareness, values driven leadership development at the other. Accordingly, there is an important emphasis on experiential learning, strategic thinking and creativity, overseas exposure and personalized coaching. The program encourages diversity of ideas, people and exposure leads to enable innovative thinking and breakthrough solutions to transform society.

School of Extended Education and Professional Development (SEEPD)

The School of Extended Education and Professional Development (SEEPD) is being launched with a single overarching mission: to present best-in-class knowledge, practices and skill development offerings to the rapidly expanding Shiv Nadar University ecosystem of learners and leaders, both within and outside the university.

The school will focus on three large segments of learning: Executive Education & Leadership Development programs aimed at business, government and social sector organizations; Continuing Education, Professional Certification and Skill Building courses for individuals and organizations interested in enhancing employability and job performance; and novel University Extension offerings on topics of interest to a broader community of adult learners. This substantial last group may not be eligible or even seeking degrees/diplomas but will be driven by a desire to learn from the best faculty in each field of study - at both Shiv Nadar University and from around the world. For them, SEEPD will act as the gateway to enhanced learning on topics that excite them.

The term “Extended Education” was chosen for the school after much reflection and is intended to accurately reflect a core premise that the learning journey is never over for anyone. It underscores twin commitments made by our founder, the Chancellor and Vice Chancellor that Shiv Nadar University is

fundamentally student centric in its design and evolution and is on its way to becoming a world class multi-disciplinary institution known for its cutting edge research and innovative teaching.

The first commitment suggests that SEEPD will specifically cater to Shiv Nadar University students, alumni, faculty and staff with a slate of high value “lifetime learning” offerings. Once with Shiv Nadar University, this community and its natural extensions will always remain a key part of our learning family. SEEPD will aggressively market its portfolio of knowledge resources to the world at large but serving its immediate family, par excellence, will remain one of its important anchors.

The second commitment is also central to SEEPD. It is driven to identify, expertly curate and present the very best of Shiv Nadar University’s rich intellectual resources to the world of learners at all levels. The goal is to create a ‘necklace of pearls’ from the Shiv Nadar University community to supplement the distinguished external faculty, programs and resources who may be enlisted by SEEPD to deliver its courses.

Departments

The University has 16 departments across 5 schools that allow for an innovative curriculum with a variety of Major and Minor course combinations. It provides heterogeneous curricula, pedagogy, and assessment. Undergraduates have the opportunity to pursue individual and group research projects with faculty members, creating the perfect mix of new ideas, and established expertise on each team engaged in a project, or a class engaged in learning.

The departments at the University are as follows:

1. Department of Chemical Engineering
2. Department of Civil Engineering
3. Department of Computer Science And Engineering
4. Department of Electrical Engineering
5. Department of Mechanical Engineering
6. Department of Art, Design And Performing Arts
7. Department of Communications
8. Department of Economics
9. Department of Education
10. Department of English
11. Department of History
12. Department of Sociology
13. Department of Chemistry
14. Department of Life Sciences
15. Department of Mathematics
16. Department of Physics

CENTERS

1. Big Data Analytics Center

The Big Data Analytics Center (BDAC) is an interdisciplinary center set up under the aegis of the School of Natural Sciences (SoNS), Shiv Nadar University in 2014. 'Big Data' refers to the collection of data sets whose scale, diversity and complexity require new architecture, techniques, algorithms and analysis to manage it, and extract value and hidden knowledge from it. Use of information has become central for the survival and development of the human race. Today we experience a true deluge of data which record and shape our lives, ranging from large global issues such as climate change to the smallest local problem such as controlling a thermostat. The critical screening and processing of Big Data has become a world-wide effort, requiring academic attention from diverse disciplines. The challenge is to develop theoretical and innovative scientific and technological solutions to cater to the needs of the industry, the society and the environment.

Given the wide gap between demand and supply of scientists, technologists and key experts in the domain of Data Analytics today, BDAC has initiated graduate (post-graduate diploma and Masters degree) programs to prepare the interested young minds for the academic analysis of such Big Data and its applications in the society today, from business concerns to social practices and cultural change.

The integrated model of BDAC provides a unique opportunity to young aspirants from different academic disciplines and executives from the corporate world to explore the possibilities of next generation solutions in the emerging discipline of Big Data Analytics.

In the view of ever more rapid technological developments in the digitalized world, with new solutions becoming obsolete every few years, the emphasis in our programs is to hone the ability to recognize, define and find solutions to such fundamental problems in an analytical way, to take a leading role in shaping the future society.

2. Center for Emerging Societies

The Center for Emerging Societies (CES) is a center for research under the aegis of the School of Humanities and Social Sciences, Shiv Nadar University. CES aims to produce and disseminate cutting-edge research in issues relating to emerging societies and, to that end, create an eco-system of high-quality research in India and Asia. The activities of the center are interdisciplinary and the scope of the activities encompasses academic and policy research in subject matters in three areas: emerging market finance, development economics, and law and regulation of capital markets and institutions.

A special focus of the center is to explore mechanisms to expand access to capital markets and institutions for the underserved sectors, especially (but not exclusively) small and medium enterprises and rural households. In addition to knowledge creation and knowledge maintenance, an important objective of the center will be to disseminate the knowledge to the stakeholders through conferences, workshops, and lectures organized by the center as well as through participation in similar forums organized by others.

The relevant stakeholders of the center are academicians interested in emerging economies and societies, policy-makers and regulators, and practitioners engaged in emerging markets and institutions.

3. Center for Environmental Sciences & Engineering

Taking cognizance of increasing environmental problems and to tackle these challenges scientifically and proactively for problem solving, the Center for Environmental Sciences & Engineering (CESE) is conceived in the School of Natural Sciences (SoNS), SNU with the specific objective of creating an interdisciplinary research facility integrating the fields of Science, Natural Resources, Engineering, Social Sciences, Public Policy and Law. The problems will be addressed keeping in view of depleting scarce natural resources and much needed sustainable development of the country. The Center will maintain close liaison with other Schools (SoE, SoHSS, SME) in SNU, and other Departments within SoNS (Life Sciences, Chemistry, Physics) to bring inter- and multi-disciplinarity in research.

The Vision of the Center for Environmental Sciences & Engineering (CESE) is to become a leader in environmental science research in the country by conducting problem solving inter/multidisciplinary research in niche areas and meeting the needs of the society, industry and National and International agencies/organizations. The Center will provide advance training to students in Environmental Science, Natural Resource Management, Socio-economics, Public Policy and Engineering from the environment perspective for sustainable development.

The Mission of the Center is to undertake focused high quality interdisciplinary basic and applied research on key areas of environmental issues crossing the boundaries of traditional disciplines to look at the relationship between humans and their environment, natural as well as built, and the sets of relationships between them from a variety of perspective leading to technology development and competency building in various areas related to environmental problems, thereby providing solutions to Indian industry and policy makers. The programs and activities of the CESE are designed to address the needs and challenges to meet the current environmental issues/problems of major industrial sectors, governmental sectors, international agencies and various funding institutions.

The Center will carry out research in different aspects of Environmental Sciences, Natural Resources, Social Sciences, Engineering, including research in the fields of Ecology, Biodiversity, Energy, Biofuel, Aerosols and Air Quality, Water and Wastewater Treatment; Environmental Biotechnology, Clean Technology, Environmental Remediation Technology-filters, membranes and catalysts and adsorbents for effective remediation of contaminants in air, soil and water environments, Environmental Systems Modeling and Optimization; Environmental Impact Assessment, GIS and Remote Sensing, Climate Change Impact Assessment, Municipal/Industrial/Hazardous Waste Management, Engineering and policy solutions to environmental risks; Environmental and Resource Policy; Environment and Developmental Economics; Environmental Management, Environmental Management and Social Ecology; Environmental Ethics; Environmental Governance; Environmental Health and Risk Assessment; Environmental Laws and Policies; Policy Studies, etc.

Through sustainability approach the CESE will strive to find solutions to the stress caused due to pressing global environmental issues such as global climate change, the food production and distribution system, conserving and recovering biodiversity, restoring ecosystem function, etc. The Center will also focus in creating conditions for sustainable businesses and society with environmental approach.

The Center will establish a tripartite relationship between academia, industry and the government agencies to nurture and support growth of environmental science and technology. The Center will also be actively engaged in a variety of outreach programmes, including organizing workshops, conferences, trainings and extension activities, which will attract participants from academia, industries and governmental and nongovernmental sectors.

4. Center of Informatics

Informatics is the science of information, information processing, and the study of structures, algorithms, behavior, and interactions of natural and artificial systems that store, process, access and communicate information. The science of informatics thus overlaps a wide range of disciplines, some of which are shown below.

Specific research programs and areas in the Center for Informatics at SNU are set by the individual faculty, who nucleate inter-disciplinary research in select areas, exploiting synergies between overlapping programs in one or more schools at SNU. Currently active areas of interest include:

- Bioinformatics and Cheminformatics
- Computational Nanoscience
- Design of Organic Dyes and Organic/Polymer Semiconductors
- Computational Facilities

Computational facilities at the SNU Informatics Center include Magus, a 32-node, 512-core IBM HPC cluster, delivering a theoretical peak performance of 10.649 TF. Each compute node is powered with dual Intel Xeon E5-2670 8C 2.6 GHz 20 MB cache 1600 MHz processors. A high-speed Infiniband switch provides the primary interconnect. Two Master nodes are loaded with 24 TB of Raw Storage. Two GPU nodes are also networked to the HPC cluster. Additionally several stand-alone Linux computers are used for teaching and research purposes, and as license servers.

5. Center for Public Affairs & Critical Theory

Center for Public Affairs and Critical Theory (C-PACT) has been established under the aegis of the School of Humanities and Social Sciences, Shiv Nadar University (SNU) to pursue inter-disciplinary research on social policies. It is important to examine social reality from diverse perspectives so that the outcomes of such exercises are accessible across academic specialties and to the members of the general public as well.

C-PACT's research on social policy will meet the highest academic standards such that they contribute to scholarship as well as to actual policy formulations on the ground. By converting research into viable solutions C-PACT aims to address the pressing problems of the day without being partisan or biased towards any political or academic persuasion. In the ultimate analysis, scholars and fellows of C-PACT hope to advance citizenship in practice through their research activities.

6. Institute for Innovations & Inventions with Mathematics and Information Technology

The Institute for Innovation and Inventions with Mathematics and IT (IIIMIT) has been established in collaboration with the Mathematical Sciences Foundation (MSF). Its emphasis on an integrated research and education program that brings together academia, industry and society makes IIIMIT unique among mathematics institutes in India.

IIIMIT has been envisioned as an expansion of the decade-long activities of the MSF. MSF has created numerous high-value activities in training and research that have involved teachers, students, scientists, government and private institutions and other segments of society.

IIIMIT primarily focuses on the following activities:

7. Applications of mathematics and information technology to real-world problems.
8. Creation of a training and research platform for teachers and students.
9. Involve and train - in innovation - people drawn from various sectors of academia and industry, including college teachers and undergraduate students.

At present, IIIMIT faculty members are carrying out research in the fields of geology, optimisation, dynamical systems, computational finance and mathematics education. IIIMIT conducts a teaching program *Excel in Business* for students in Kashmir, and hosts a month-long summer internship program called *Inviting All Young Minds (IAYM)* every June.

Two focus groups have been initiated:

- Computational Finance
- Mathematics Education

In future, we expect to create further focus groups in areas such as Cryptography, Signal Processing and Mathematical Biology.

UGC EXPERT COMMITTEE REPORT

A 10-member UGC Expert Committee along with 5 nominees from AICTE (including an architect) came for an inspection of the University on 26-27 April 2016.

The University received an excellent report from the UGC Expert Committee which is available at the UGC website <http://www.ugc.ac.in/pdfnews/4993819_ShivNadarUniversity-Anx-II.pdf>

EXCERPTS FROM THE UGC REPORT:

During a short span of existence, SNU has established as an upcoming and promising university with a focus on a globally competitive brand value. It is a vibrant place where everybody was enthusiastic about their duty and role.

- It has developed a unique multi-disciplinary curriculum at the undergraduate level providing students with an unprecedented, well-rounded education by synthesizing broad, and strong multidisciplinary foundation with a solid training in their selected discipline
- The curriculum emphasizes on fostering students ability to integrate critical thinking, interpretive skills, scientific exploration and normative principles
- The in-built flexibility of the undergraduate curriculum has scope for every student to progress through the program at his/her own pace, allowing every student to chart out its own academic path and pace
- The university's research programs are contemporary and in frontier areas of research. Faculty have been recruited carefully to chosen areas based on their expertise, post-doctoral or industrial experience
- The physical infra-structure as well as facilities for research created in a span of 5 years are really remarkable
- The publications include high impact, prestigious journals such as Nature Communication, Accounts of Chemical Research, Physical Review Letters etc. These demonstrate the quality of faculty and students
- The faculty members have also received many honours and awards in the last four years such as DBT Innovative Young Biotechnologist Award, INSA Medal for Young Scientists, DBT Ramalingaswami Fellowship, DST Inspire Faculty Award, etc.
- The Opportunities for Undergraduate Research (OUR) programme is enabling its undergraduate students to undertake research projects with the faculty members outside the regular curriculum to publish their research work into high-impact journals. This will also enable them to retain good quality faculty and students during fledgling years
- The campus is beautifully spaced and construction is going on massive scale to create new academic buildings and quartets and sports facilities, including Biodiversity Park.

RESEARCH

Shiv Nadar University is primarily a research institution. The University faculty members are doctorates, post-doctorates and inspired practitioners in their area of expertise. They are scholars of international repute, key advisors to the government, and well known authors. Drawn from top-ranked universities, faculty members are appointed based on their contribution to research activity.

The University focuses on a broad spectrum of Research including basic and applied research, interdisciplinary research, scholarly publications, and creative expression. The cornerstone of Shiv Nadar University's academic mission is its emphasis on undergraduate research.

Pushing the Boundaries of Research

- Combating Mercury Poisoning
- Research on Cancer
- Research on Malaria
- Diagnosing Tropical Calcific Pancreatitis
- Materials for Solar Energy Application
- Research on Renewable Energy
- Giving New Life to Batteries
- Investigating a 2000 Year Old Technology
- The Social Life of Arsenic
- Inside India's Mandis
- The Paradox of Declining Education
- The Evolution of Social Networks

Dr. Gouriprasanna Roy's (Assistant Professor, Department of Chemistry, SoNS) remarkable work on 'Chemical Detoxification of Organomercurials' was highlighted in *Angewandte Chemie*, one of the best Chemistry journals in the world.

Rapid industrialization as well as urbanization has led to contamination of water with heavy metals such as mercury and mercury related toxic compounds, lead, arsenic, and all these are of utmost concern to all of us. For Dr. Gouriprasanna Roy, research must have a social impact. And to provide a safe and healthy environment is a real challenge. Dr. Roy's laboratory is continuously working on the de-contamination of toxic heavy metals, particularly focusing on mercury, lead and copper.

Recently at Shiv Nadar University, we have discovered novel compounds which can transform highly toxic soluble mercury and mercury related compounds such as methylmercury (MeHg) and ethylmercury (EtHg) into less toxic insoluble materials, similar to the minerals such as cinnabar, metacinnabar and Tiemannite. This novel finding may lead to the discovery of a new potential molecule to treat patients suffering from methylmercury poisoning.



*Banerjee, M.; Karri, R.; Rawat, K. S.; Muthuvel, K.; Pathak, B.; Roy, G.**

"Chemical Detoxification of Organomercurials" Angew. Chem., 2015; Angew. Chem. Int. Ed., 2015. This work is also highlighted in inside back cover of Angewandte Chemie in 3rd August issue, Angew. Chem., 2015; Angew. Chem. Int. Ed.

THE ECONOMIC TIMES

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Shiv Nadar University researchers say new compound can help contain mercury poisoning

By [Prachi Verma](#), ET Bureau | 22 Dec, 2015, 01:34PM IST

[Post a Comment](#)

NEW DELHI: Shiv Nadar University has announced the discovery of a compound that can help reverse environmental mercury poisoning by converting the heavy metal from a toxic, volatile and soluble organic form (as a pollutant) into a safer, inert and stable form.

The process takes a few minutes to hours, depending upon the form in which the organic mercury pollutant is present, the university said in a statement issued on Tuesday. The compound, 'GP1', was discovered by a team of researchers led by Gouriprasanna Roy, an assistant professor in the department of chemistry, School of Natural Sciences and Shiv Nadar University. "The new compound, GP1, may have immense potential as a preventive against complex neuro-developmental disorders, called autism spectrum disorders (ASDs), and can also fight environmental pollution," Roy said in the press release. "The compound can also be used to make highly toxic and hazardous mercury build-ups in the environment (rivers and ground-water) completely benign and therefore safe for humans and animals." Roy also said he is working on developing another molecule to reverse poisoning due to lead, another heavy metal.



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ACTIVE EXTERNAL RESEARCH GRANTS

Shiv Nadar University

Dr. Partha Chatterjee (Faculty Coordinator); Dr. Ram K. Sharma (Project Coordinator); Dr. Samuel Berthet; Dr. Jaideep Chatterjee; Dr. Anannya Dasgupta; Dr. Ashokankur Datta; Dr. Paromita Goswami; Dr. Amber Habib and Deepa Hazrati

Inter-University Project with Università di Bologna, Italy, Dr. B R Ambedkar University, Delhi, **British Council, India (Coordinator)**, Jadavpur University, Kolkata, Kings College London, UK, University of Hyderabad, Hyderabad

Project Title: Enhancing Quality, Access and Leadership (E-QUAL)

Funding Agency: European Union and British Council

Budget: € 1.17 million (SNU share € 1.6 Lakh)

Duration: 4 years (2014-2018)

SCHOOL OF ENGINEERING

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Dr. Debopam Acharya, Dr. Divya Lohani, Dr. Seema Sehrawat (Life Sciences) and Dr. Prasad Pathak (Civil Engineering)

(Jointly with Indraprastha Institute of Information Technology, Delhi, and Indira Gandhi Delhi Technical University for Women, Delhi)

Project Title: HumanSense: Towards context aware sensing, inference and actuation for applications in Energy and Healthcare

Funding Agency: ITRA (Department of Electronics and IT, Government of India)

Budget: ₹ 266.50 Lakh (SNU portion: ₹ 51.17 Lakh excluding travel)

Duration: 3 years (2013-2016)

DEPARTMENT OF CIVIL ENGINEERING

Dr. Gyan Vikash

Project Title: Experimental Investigation of Diffusion Process during CRS Consolidation under Monotonic Loading and Unloading-Reloading Stages.

Funding Agency: Department of Science and Technology, India

Budget: ₹ 14.22 Lakh

Duration: 3 Years (2014-2017)

Dr. Gopal Das Singhal

Project Title: Experimental Investigation and optimization of Jack Jetty and Porcupine Systems for River Restoration.

Funding Agency: DST-SERB

Budget: ₹ 15.90 Lakh

Duration: 3 years (2012-2015)

Dr. Bikash Parida

Project title: Quantifying Climatic and Non-climatic Drivers of Large-scale Ecosystem Change during 1982-2015 over India.

Funding agency: DST (Young Scientist)

Total Budget: ₹ 16.56 Lakh

Duration: 3 years (2015-2018)

DEPARTMENT OF ELECTRICAL ENGINEERING

Dr. Sonal Singhal

Project Title: Efficiency enhancement of RF-sputtered CdTe thin film solar cells by improving the junction interface properties

Funding Agency: DST Fast Track scheme

Budget: ₹ 6.7 Lakh

Duration: 3 Years (2013-2016)

DEPARTMENT OF MECHANICAL ENGINEERING

Dr. Nitin Banker

Project Title: Design and development of Refrigerator using a phase change material based heat exchanger.

Funding Agency: DST-SERB

Budget: ₹ 13.87 Lakh

Duration: 3 years (2014-2017)

Dr. Harpreet Singh Arora

Project title: Tailoring the Surface Properties of Crystalline and Amorphous Metals for Advanced Bio-Implants.

Funding agency: DST-SERB, YSS

Budget: ₹ 25.19 Lakh

Duration: Three years (2016-2019)

Dr. Arvind Rajput

Project title: Design and Development of S shaped Coriolis Mass Flowmeter.

Funding agency: DST-SERB, Young Scientist Scheme

Budget: ₹ 25.66 Lakh

Duration: 3 years (2016-2019)

Dr. Himanshu Pathak

Project title: Fracture Analysis of Functionally Graded Materials (FGMs) by coupled FE-Meshfree Method.

Funding Agency: DST-SERB Start Up Research Grant (Young Scientists)

Budget: ₹ 16.78 Lakh

Duration: 3 years (2015 - 2018)

DEPARTMENT OF CHEMICAL ENGINEERING

Dr. Sanjeev Yadav

Project title: Studies and of Air Bubbling Fluidized Bed Gasification with Torrefaction as Pretreatment of Sludge from Pulp & Paper Mill.

Funding agency: DST-SERB (YSS)

Budget: ₹ 31.58 Lakh

Duration: 3 years (2016-2019)

Dr. Dhiraj Kumar Garg

Project title: Numerical Study and Analysis of Chaotic Advection During Free Radical Polymerization Reactions in Coiled Flow Inverter Microreactor.

Funding agency: DST-SERB Start Up Research Grant (Young Scientists)

Total Budget: ₹ 17.6 Lakh

Duration: 3 years (2016-2019)

SCHOOL OF NATURAL SCIENCES

DEPARTMENT OF PHYSICS

Dr. Rupamanjari Ghosh

Project Title: Monomode and multimode phase sensitive amplification and light storage Collaborative research project with Fabien Bretenaker (LAC, Orsay, France)

Funding Agency: The Indo-French Centre for the Promotion of Advanced Research (Centre Franco-Indien pour la Promotion de la Recherche Avancée) under the Indian Department of Science and Technology and the French Ministry of Foreign Affairs

Budget: ~ ₹ 1.2 Crore [₹ 39,90,391 (to SNU) + € 111,729]
Duration: 3 years (Feb 2015-Jan 2018)

Dr. Priya Johari

Project Title: Atomistic stimulations of Hybrid films of two dimensional materials using ab-initio methods.

Funding Agency: DST Fast Track Scheme for Young Scientists

Budget: ₹ 9.00 Lakh

Duration: 3 years (2014-2017)

Dr. Alope Kanjilal

Project title: Study the dewetting property of chemically etched Si nanopillars

Funding agency: Alexander von Humboldt Foundation-Equipment Grant

Total Budget: 20,000 Euro (₹ 15.60 Lakh@ Rs.78/Euro)

Duration: 2 years

Dr. Alope Kanjilal, Dr. D. Kabiraj (Co-PI), Dr. Bhaskar Kaviraj

Project title: The impact of oxygen-induced defects in TiO₂-based resistive switching devices

Funding agency: DST-SERB Extra Mural Research Funding

Total Budget: ₹ 53.29 Lakh

Duration: 3 years (2015-2018)

DEPARTMENT OF CHEMISTRY

Dr. Shailja Singh (PI) AND Dr. Subhabrata Sen (CO-PI)

Project Title: Identifying novel candidates for breast cancer via Diversity Oriented Synthesis (DOS).

Funding Agency: DST Pilot Grant

Budget: ₹ 25 Lakh

Duration: 3 years (2015-2018)

Dr. Gouriprasanna Roy

Project Title: Detoxification of Organomercury Compounds: Enzyme Mimetic Studies to Understand the C-Hg Bond Activation by Organomercurial Lyase

Funding Agency: DST-SERB

Budget: ₹ 51 Lakh

Duration: 3 years (2014-2017)

Dr. Bimlesh Lochab

Project Title: Halogen free flame retardant (FR) Polybenzoxazine (PBz) resins based on agricultural biomass.

Funding Agency: DST-SERB, Young Scientist Scheme

Budget: ₹ 28.5 Lakh
Duration: 3 years (2014-2017)

Project Title: Benzoxazine monomers and pre-polymers as Self-healing agent for Epoxy resins.

Funding Agency: DRDO

Budget: ₹ 9.9 Lakh

Duration: 18 months (2014-2015)

Project Title: Biobased Polybenzoxazine Resins synthesized from agricultural biomass for Composite applications

Funding Agency: SERB (Science and Engineering Board)

Budget: ₹ 18 Lakh

Duration: 2 years (2014-2016)

Dr. Parthapratim Munshi

Project Title: Quantitative Studies of Hydrogen Bonding and Electrostatic Interaction Energies in Proteins: Insight from Advanced Charge Density Analysis

Funding agency: SERB/DST/EMR4

Budget: ₹ 53 Lakh

Duration: 3 years (2015-2018)

Dr. Goutam Chowdhury

Project Title: Role of 8-nitroguanosine and its analogs in chronic inflammation associated cancers.

Funding Agency: DBT (Ramalingaswami Fellowship)

Budget: ₹ 32.5 Lakh

Duration: 5 years (2015-2020)

Dr. Debdas Ray

Project title: Solid-state luminescence active ultra-rigid neutral coordination complex of zinc(II) and aluminium(III).

Funding Agency: DST-SERB

Budget: ₹ 25 Lakh

Duration: 3 years (2015-2018)

Project title: Dihedral angle controlled functionalized luminescent materials for optoelectronic application.

Funding agency: DST-EMR

Budget: ₹ 49.53 Lakh

Duration: 4 years (2016-2020)

Dr. Ram Sagar Misra

Project title: Towards Chemical Synthesis of Linear Poly (ADP-ribose) for Bio-Application.

Funding agency: DST-EMR

Budget: ₹ 43.51 Lakh

Duration: 3 years (2016-2019)

Dr. Bani Kanta Sarma

Project title: Towards Understanding various aspects of $n \rightarrow \pi^*$ noncovalent interaction.

Funding Agency: DST-SERB

Budget: ₹ 22.44 Lakh

Duration: 3 years (2016-2019)

DEPARTMENT OF LIFE SCIENCES

Dr. Shailja Singh

Project Title: Role of calcium signaling in egress of *P. falciparum* merozoites from host erythrocytes.

Funding Agency: DBT Senior Innovative Young Biotechnologist Award (IYBA) grant,

Budget: ₹ 1 Crore

Duration: 3 years (2014-2017)

Project Title: Role of perforin like protein in egress of plasmodium falciparum merozoites

Funding Agency: DST-SERB Start Up

Budget: ₹ 22 Lakh

Duration: 3 years (2014-2017)

Dr. Ashish Gupta

Project Title: Characterization of novel molecular targets of malaria parasite.

Funding Agency: DST Start up Research Grant for Young Scientist,

Budget: ₹ 20 Lakh

Duration: 3 years (Aug 2014-Sept 2017)

Project Title: Role of RVB genes in immune evasion of malaria parasite Plasmodium falciparum

Funding agency: Council for Science and Technology-UP

Budget: ~ ₹ 9.75 Lakh

Duration: 3 years (2015-2018)

Project title: Application of CRISPR based system for genomic editing of RVB genes of human malaria parasite Plasmodium Falciparum to investigate their role in active histone coding and transcriptional regulation.

Funding agency: DBT-IYBA

Budget: ₹ 44.6 Lakh

Duration: 3 years (2016-2019)

Dr. Seema Sehrawat

Project Title: Functional dissection of cAMP regulated AKAP9 in Vascular dysfunction: Strategy for treatment of Breast Cancer.

Funding Agency: DBT Bio-CARe for Women Scientists

Budget: ₹ 50 Lakh

Duration: 3 years (2015-2018)

Dr. Anindita Chakraborty

Project Title: Understanding the effect of oncogenic Phosphatidylinositol 3-kinase (PI3K) mutations in stem cell component of the HER2 oncogene enriched breast cancers.

Funding Agency: DBT Ramalingaswami Re-entry Fellowship

Budget: ₹ 32.5 Lakh

Duration: 5 years (2014-2019)

Dr. Richa Priyadarshini

Project Title: Investigating the role of Lactobacilli in inhibiting the development of periodontal biofilms.

Funding agency: DST

Budget: ₹ 17.54 Lakh

Duration: 3 years (2015-2018)

Dr. Swati Garg

Project Title: DST-INSPIRE Faculty Award

Budget: ₹ 83 Lakh (Research grant + salary)

Duration: 5 years (2014-2019)

Dr. Koyeli Mapa

Project Title: Delineation of conformational allostery of Hsp110 molecular chaperones.

Funding agency: DST-SERB

Budget: ₹ 29.36 Lakh

Duration: 3 years (2015-2018)

Dr. Naga Suresh Veerapu

Project Title: Exploring Robust In Vitro Hepatitis E Genotype-1 Replication System.

Funding agency: DST (young Scientist Scheme)

Budget: ₹ 22.85 Lakh

Duration: 3 years (2015-2018)

Dr. Naga Suresh Veerapu (SNU) and Dr. Rakesh Agarwal (Sanjay Gandhi Post Graduate Institute)

Project Title: Developing novel, robust genotype-3 Hepatitis C Virus *in vitro* culture system through Bioselection

Funding agency: DBT

Budget: SNU share-61,74,200 ₹ (Total 65, 64,200 ₹)

Duration: 3 years (2015-2018)

DEPARTMENT OF MATHEMATICS

Dr. Priyanka Grover

Project: DST-INSPIRE Faculty Award
Budget: ₹ 35 Lakh (Research Component)
Duration: 5 years (2015-2020)

Departmental Grant

Project: DST-FIST program
Budget: ₹ 46 Lakh (SNU contribution 23 Lakh ₹, DST contribution 23 Lakh ₹)
Duration: 5 Years (2016-2021)

CENTER FOR INFORMATICS

Dr. Vijay Kumar and Dr. Anu Bala

Project title: “Ab initio studies of optical properties of novel photovoltaic materials”
Status: Mentor
PI: Dr. Anu Bala
Funding agency: DST-WOS-A scheme
Budget: ₹ 20.10 Lakh
Duration: 3 years (2016-2019)

APPROVED AND RECOMMENDED FOR FUNDING

SCHOOL OF ENGINEERING

DEPARTMENT OF CIVIL ENGINEERING

Dr. Bikash Parida

Project title: Quantifying Climatic and Non-climatic Drivers of Large-scale Ecosystem Change during 1982-2015 over India.
Funding agency: DST-SERB (Young Scientist Scheme)
Total Budget: ₹ 16.56 Lakh
Duration: 3 years (2015-2018)

DEPARTMENT OF MECHANICAL ENGINEERING

Dr. Himanshu Pathak

Project title: Fracture Analysis of Functionally Graded Materials (FGMs) by coupled FE-Meshfree Method.

Funding agency: DST Start Up Research Grant (Young Scientists)

Total Budget: ₹ 16.78 Lakh

Duration: 3 years

Dr. Harpreet Singh Arora

Project title: Tailoring the Surface Properties of Crystalline and Amorphous Metals for Advanced Bio-Implants.

Funding agency: DST Start Up Research Grant (Young Scientists)

Total Budget: ₹ 25.10 Lakh

Duration: 3 years

Dr. Arvind Kumar Rajput

Project title: Design and Development of S shaped Coriolis Mass Flow Meter.

Funding agency: DST Start Up Research Grant (Young Scientists)

Total Budget: ₹ 25.66 Lakh

Duration: 3 years

DEPARTMENT OF CHEMICAL ENGINEERING

Dr. Dhiraj Kumar Garg

Project title: Numerical Study and Analysis of Chaotic Advection During Free Radical Polymerization Reactions in Coiled Flow Inverter Microreactor

Funding agency: DST Start Up Research Grant (Young Scientists)

Total Budget: ₹ 17.6 Lakh

Duration: 3 years

Dr. Sanjeev Yadav

Project title: Studies and development of air bubbling fluidized bed gasification with torrefaction as pretreatment of sludge from pulp & paper mill.

Funding agency: DST Start Up Research Grant (Young Scientists)

Total Budget: ₹ 31.58 Lakh

Duration: 3 years

SCHOOL OF NATURAL SCIENCES

DEPARTMENT OF LIFE SCIENCES

Dr. Koyeli Mapa

Project Title: Delineation of conformational allostery of Hsp110 molecular chaperones.

Funding agency: DST-SERB

Duration: 3 years

Budget: ₹ 29.36 Lakh

Dr. Naga Suresh Veerapu

Project Title: Exploring Robust In Vitro Hepatitis E Genotype-1 Replication System

Funding agency: DST (young Scientist Scheme)

Duration: 3 years

Budget: ₹ 22.85 Lakh

Dr. Ashish Gupta

Project title: Application of CRISPR based system for genomic editing of RVB genes of human malaria parasite Plasmodium Falciparum to investigate their role in active histone coding and transcriptional regulation.

Funding agency: DBT-IYBA

Budget: ₹ 44.6 Lakh

Duration: 3 years (2016-2019)

DEPARTMENT OF CHEMISTRY

Dr. Ram Sagar Misra

Project title: Towards chemical synthesis of linear Poly(ADP-ribose) for bio-application

Funding agency: DST-EMR

Total Budget: ₹ 43,51,200

Duration: 3 years

Dr. Debdas Ray

Project Title: Solid-state luminescence active ultra-rigid neutral coordination complex of zinc(II) and aluminium(III)

Funding Agency: DST-SERB

Budget: ₹ 25 Lakh (including overhead)
Duration: 3 years

Project title: Dihedral angle controlled functionalized luminescent materials for optoelectronic application.

Funding agency: DST- EMR

Budget: ₹ 49.53 Lakh

Duration: 4 years (2016-2020)

DEPARTMENT OF MATHEMATICS

Departmental Grant

Project: DST-FIST program

Budget: ₹ 46 Lakh (SNU contribution 23 Lakh ₹, DST contribution 23 Lakh ₹)

Duration: 5 Years (2016-2021)

CENTER FOR INFORMATICS

Dr. Vijay Kumar and Dr. Anu Bala

Project title: “Ab initio studies of optical properties of novel photovoltaic materials”

Status: Mentor

PI: Dr. Anu Bala

Funding agency: DST-WOS-A scheme

Budget: ₹ 20.10 Lakh

Duration: 3 years (2016-2019)

Undergraduate Research

Research, Experiential and Applied Learning (REAL) courses integrate research and training in the conduct of research at the undergraduate level, across all disciplines. To fulfill the degree requirements, undergraduate students must take at least 18 credits in REAL courses. REAL requirements can be fulfilled through several different types of courses, projects, work, and service opportunities. The major ones are:

- Research Projects
- Design Projects
- Practicum
- Cooperative Education
- Service Learning
- Internships
- Cultural Immersion



Opportunities for Undergraduate Research (OUR)

Shiv Nadar University is designed as a microcosm of the world that the students will step into after graduation. The OUR program aims to give undergraduates a hands-on experience in conducting research and doing independent work under faculty supervision. OUR lets students learn by discovery, encourages greater student-faculty interaction, and helps identify candidates for graduate programs. Currently over 70 projects are underway including an investigation of water quality in the Upper Gangetic Canal, a study of the kinetics of traditional Indian dance forms, and an analysis of the consequences of tax reforms in the food industry.

2nd Opportunity for Undergraduate Research Conference held in Shiv Nadar University 9-10 May 2016

Opportunities for Undergraduate Research (OUR) program instituted in Shiv Nadar University is a beyond curriculum research opportunity for undergraduate students to work on research projects of their interest irrespective of their current program of study.

In the second edition (2015-2016) of this program 50 projects were completed and the projects were showcased by the students in the form of oral presentation during the 2nd Opportunity for Undergraduate Research Conference held in Shiv Nadar University on 9th and 10th May 2016. Jury consisting of senior faculty members assessed the projects and presentations made on various criteria and awarded top three positions to the following students:

FIRST PRIZE

Project - To optimize the performance of Gallic Acid based rGO for Lithium Sulphur Battery

Student - Gaganpreet Singh Khosla, B.Tech. Electrical Engineering, Class of 2016

Faculty Advisor: Dr. Bimlesh Lochab, Assistant Professor, Department of Chemistry

Prize: ₹ 10,000



There has been tremendous interest in using Lithium-Sulfur-Polymer batteries as electrical energy storage devices. Carbon based nanomaterials especially graphene has shown potential for such devices due to their high specific surface area (SSA) (2630 m²/g) and a very high intrinsic electrical conductivity due to sp²-bonded carbon in planar configuration. In addition, high mechanical strength, chemical stability and facile bulk production at low cost via graphene-oxide further attracted their utilization for such devices at an industrial scale. In this project work, synthesis of reduced graphene oxide via reported-sustainable and novel-sustainable routes was carried out to be used in Li-S co-polymer batteries which was followed by performance optimization studies. Further, the novel reduced graphene oxide was characterized using UV-Vis (Ultraviolet-visible), FT-IR (Fourier Transform-Infrared), Raman, SEM (Scanning electron microscopy) and TGA (thermo-gravimetry analysis) techniques.

SECOND PRIZE

Project - Entanglement in Random Pure States: Statistics of Extreme Schmidt Eigenvalues

Student - Bharath Sambasivam, B.Tech. Electronics & Communication Engineering, Class of 2016

Faculty Advisor: Dr. Santosh Kumar, Assistant Professor, Department of Physics

Prize: ₹ 7,500



Quantum entanglement refers to the non-local quantum correlation between the subsystems of a composite system. In quantifying the degree of entanglement the set of Schmidt eigenvalues coming from the reduced density matrix plays a crucial role. In particular, extreme Schmidt eigenvalues (the smallest, and the largest) serve as important metrics in characterizing the entanglement. The project explores these extreme Schmidt eigenvalues with the aid of random matrix theory of fixed trace Wishart ensemble. Extensive statistical analysis of these eigenvalues using both analytic and computational tools was carried out resulting in derivation of the probability density functions of these extreme eigenvalues and exploration of their role as a measure of the degree of entanglement. The results were also applied to the paradigmatic case of coupled kicked tops system and excellent agreement with the analytical predictions was found.

THIRD PRIZE:

Project - Reconnaissance and Surveillance System

Student - Pranjay Shyam, B.Sc. (Research) in Physics, Class of 2018

Faculty Advisor: Prof. R. N. Biswas, Visiting faculty, Department of Electrical Engineering

Prize: ₹ 5,000



The project focuses on implementing a wireless security system which can monitor any intrusions in real time. Apart from real time monitoring of a location the system is also able to detect any changes caused due to motion in the environment, highlight the area of motion and generate necessary alarms. The main crux is to process the stream of images gathered from a local camera on site and analyzes the image in real time for motion detection.

Some of the other OUR projects presented at the conference were:

- Examination of socio-cultural similarities and differences between two South Indian Martial Art traditions: Silambam and Kalaripayattu
- Impacts of election cycles on education in India
- Urban Heat Island effect - Assessment of National Capital Region, India
- Satellite town leading to ground water depletion and contamination-A case study from Greater Noida/Gautam Buddha Nagar
- Energy Conservation Building Code (ecbc) Application Module –Intelligent Assistance through Smart Phone
- Reducing Power Wastage in Hostel Rooms by using Door Latch as a Switch
- Design and Development of a Passenger Car Integrated with Solar
- Using IT for Financial inclusion, education and poverty alleviation
- Study on Application of Parallel Computing in Real World Programs
- MEMRISTOR: The Precursors of the Memory Age
- Leadership inequalities in India: An Empirical Quest in Educational Institutes of India
- Predictability of IPO stock prices
- Hepatitis E Virus Gene cloning in the Baculovirus Expression vector

GLOBAL COLLABORATIONS

E-QUAL

The University is part of the international collaborative project titled Enhancing Quality, Access and Governance of Undergraduate Education in India (E-QUAL), 2013. Funded by the European Union and British Council, the €1.17 million project is implemented by a consortium of partners including Ambedkar University, Jadavpur University, King's College, Shiv Nadar University, the University of Bologna, and the University of Hyderabad. The project activities are being implemented in four key disciplines - Critical Thinking, Cultural Studies, Human Ecology, Natural Resource Management & Sustainable Development.



Critical Thinking In Writing Pedagogy - 18 February 2016

On February 18, 2016, the University organized an innovative, enriching and interactive first Academic Writing Workshop amidst a high spirited gathering of teachers and writers from Universities across India and abroad. Under the rubric of project E-QUAL (Enhancing Quality, Access and Governance of Undergraduate Education in India), Shiv Nadar University has contributed a course unit in teaching critical thinking through academic writing. The workshop in particular intended at engaging participants in understanding Critical Thinking as thinking about thinking and questioning the questions. Highlighting the theme of the workshop, "Critical Thinking in Writing Pedagogy", Prof. Ajay Dandekar, Director, School of Humanities and Social Sciences highlighted the importance of writing in curriculum and a need for an efficient system that would encourage writing pedagogy. Leading the workshop, Dr. Anannya Dasgupta, Assistant Professor, Department of English, emphasized that a writing teacher should run a workshop-style class to engage student participation in teaching a course that not only requires intensive and repeated writing, revising and feedback, but also away to facilitate student-led class discussions and feedback loops to maximize engagement in the class. Through the workshop, the participants were introduced to how a semester long course may be organized in a blended way that uses online tools to enhance classroom learning along with the essential skills and strategies needed to teach critical reading and writing. To enable active participation, the participants were asked to complete the pre-workshop feedback form and prepare assignments based on two readings. The workshop thus discussed many issues and perspectives towards writing through panel discussions and paper presentations by eminent scholars in the field. The workshop had an exciting participation of nearly 100 participants, with a majority being faculty and students, in addition to researchers and staff.

Duke - Middlebury SNU series of conferences

Conference on Inequality - 14 April 2016

A conference on the topic “Caste, Class or Race? Inequality in India and the United States” was hosted in the memory of Dr. B.R. Ambedkar under the Duke - Middlebury SNU series of conferences. The conference shed light on different aspects of inequality: understanding, measurement, impact and pervasiveness.

Shiv Nadar University-Duke Research Collaboration

Safe Spaces for Women to be Physically Active in Greater Noida City: A Mixed Method Approach

Faculty collaborators: Prasad Pathak (Department of Civil Engineering, School of Engineering, Shiv Nadar University), Gatha Sharma (Department of English, School of Humanities and Social Sciences, Shiv Nadar University), Neha Pagidipati (Duke University) & Truls Ostbye (Duke University)

Background: India is undergoing rapid urbanization with a concurrent rise in cardiovascular disease. Despite the clear morbidity and mortality benefits of exercise, few people in urban India, especially women, participate in recreational physical activity. One possible barrier to physical activity that women in urban India experience is the lack of accessible and safe spaces for physical activity.

Objective: To create an interactive map of places for physical activity in Greater Noida City, and to overlay safety perceptions of women onto that map to give a comprehensive understanding of environmental barriers to women being physically active in this rapidly urbanizing city.

Methods: Geographic Information Systems (GIS) technology will be employed to map parts of the urban infrastructure which are conducive to physical activity in Greater Noida City. Focus groups will be conducted to elucidate the perceptions of women from varied demographics on the safety of places to be physically active in the city. Field observations of key areas determined by satellite imaging will be performed to ensure accuracy of the digital maps. The field observations and focus group data will be overlaid onto the GIS-based map to create a comprehensive tool to understand the current availability of safe spaces for physical activity for women in Greater Noida City.

Expected Impact: Based on the findings from this analysis, an intervention will be developed and proposed which will address urban infrastructure barriers to exercise in India and increase the level of physical activity of women in Greater Noida City.

SNU-Duke Global Writing Partnerships and Cross-Cultural Exchanges

Faculty collaborators: Anannya Dasgupta (Department of English, School of Humanities and Social Sciences, Shiv Nadar University) & Denise Comer (Duke University)

Global writing partnerships are at the frontiers of higher education. As more institutions of higher education adapt curricula to reflect, impact, and shape global networks, opportunities for partnerships around writing and communication provide one of the richest areas for potential growth. Writing-based partnerships would be especially significant as a means of promoting cross-cultural exchanges and facilitating collaborative interdisciplinary research between SNU and Duke faculty and students.

As a high-impact practice, writing hinges on critical thinking and ethical reasoning, and enables students and faculty to conduct, analyze, and disseminate research. Writing, broadly construed as conventional academic argumentation and more public and digital modes of communication such as blogs, digital storytelling, online archives, exhibits, and websites, occupies a core component for the successful development and dissemination of research across disciplines.

Forging interdisciplinary global writing partnerships across levels will meaningfully impact Duke's and SNU's educational missions, including those areas of particular interest for this grant opportunity, including global health and intersections between health and environmental studies, education, and urbanization.

Shiv Nadar University Academic Writing Course and Duke University's Thompson Writing Program propose to explore, design, implement, and assess ongoing writing-based partnerships among faculty and students. Pilot projects might include cross-cultural exchanges around research and writing, writing-based partnerships, and visiting scholar exchanges. Through this grant, we would first explore global academic writing and writing pedagogy, writing administration, and writing-based student learning outcomes across the global contexts of SNU and Duke, and then design, implement, and assess ongoing global writing partnerships between SNU and Duke.

Development of Composite Ceramic - Silver and Red Mud Water Filters to Control Biological and Arsenic Contamination in Drinking Water

Faculty collaborators: Susanta Sinha Roy (Department of Physics, School of Natural Sciences, Shiv Nadar University) & Marc Deshusses (Duke University)

Low cost technologies to monitor, treat, and/or prevent water contamination are critical means to improve the health of billions of people in less developed countries. On the Indian continent, contamination of drinking water with pathogens of fecal origin and with arsenic is a serious health concern. In this collaborative project, we propose to develop composite ceramic/red mud/silver-based water filtration systems for the removal of arsenic and microorganisms in drinking water.

At first, we aim to conduct a meta analysis of the red mud and ceramic filters to fully document the potential scope, opportunities and limits of such filters as well as establishing a track record of our collaboration. Secondly, we will fabricate new composite ceramic/red mud/colloidal silver water filters. The properties of the composites will be characterized thoroughly and the performance of the filters will be investigated to determine the effects of the inherent red mud composition, silver and manufacturing process parameters on the properties of the filters, namely water flow, efficacy of disinfection of key indicator pathogen organisms, and removal of arsenic. Finally, a detailed cost analysis for mass producing filtration units will

be performed, possible field trials will be explored with a key partner and external grants to support follow-on studies will be pursued. An additional objective of the proposal will be to bring together two research groups who have not worked together before, and build on this collaborative research to enhance connections between Engineering and Global Health at Duke University and the Natural Sciences at Shiv Nadar University.

Role of Cell Wall Hydrolases in Biofilm Formation of *Staphylococcus aureus*

Faculty collaborators: Richa Priyadarshini (Department of Life Science, School of Natural Sciences, Shiv Nadar University), Vance G. Fowler (Duke University) & Batu K. Sharma Kuinkel (Duke University)

Most bacteria in the environment are found as complex matrix enclosed aggregates known as biofilms. Biofilms have gained special importance in biomedical settings in recent years. National Institute of Health (NIH), USA, estimates that more than 80% of all chronic infections are due to bacterial biofilms. Infections caused by biofilm are difficult to treat as bacteria in biofilms are more resistant to antibiotics and are also able to evade our immune system.

Staphylococcus aureus, a gram-positive organism is a major cause nosocomial infection. *S. aureus* is usually associated with tissue infections such as osteomyelitis and endocarditis and *S. aureus* biofilms on medical implants and devices remain a major therapeutic challenge. As cells in biofilms are recalcitrant to antibiotics, treatment often requires the removal of these implants and devices. Moreover, *S. aureus* infections have increased in morbidity and mortality with the emergence of antibiotic resistant strains, such as Methicillin resistant *Staphylococcus aureus* (MRSA). Thus, the developments of agents that can inhibit or disperse *S. aureus* biofilms are of significant medical importance. Under this proposal we would study the role of cell wall hydrolases in establishing *S. aureus* biofilms and evaluate the potential use of these hydrolases as biofilm dispersal agents. A better understanding of the physiological role of cell wall hydrolases in development of *S. aureus* biofilms would help in designing better strategies to combat biofilm mediated disease.

CAMPUS LIFE AND STUDENT ACTIVITIES

Shiv Nadar University's fully residential campus is a place, where learning extends beyond classrooms. The sprawling campus spread across 286 acres of land is home to 1,793 students from 27 States and Union Territories enrolled for 1,534 undergraduates, 132 masters, 13 post-graduate diploma and 114 doctoral studies, across four schools: School of Humanities & Social Sciences, School of Natural Sciences, School of Engineering, and School of Management & Entrepreneurship.

The University has one of the best-in-class infrastructure and facilities on the campus and is equipped with 65 state-of-the-art laboratories, and studios.

Another highlight of the Campus life is the 'On-Campus Jobs' opportunity to inculcate in our students a sense of responsibility and work ethics. Under this program, students may work up to twenty hours per week in various offices and projects at the University. Over 150 jobs are available on campus, and more than one-third of our students have participated in the program so far.



The University's Career Development Center (CDC) has created a network of sustained external engagement involving internships, service learning projects, and an innovative 'Mentorship Program' through which our students are mentored by leaders in industry, government and civil society organizations. CDC supports students in shaping and managing their careers effectively by helping them identify career choices, providing insights into the latest industry trends and arranging industry conclaves, industry visits and boot camps. CDC services include Annual Online Assessment and 360 degrees feedback.

Apart from focusing on the academic rigor the students are encouraged to engage in the activities of various Clubs and Professional Societies. Shiv Nadar University currently has more than 30 active clubs and societies that are fully run by students and are supervised by faculty advisors.

Some of the popular Clubs and Societies among the students include:

- Roboyantriki: The Robotics Club
- Snuphoria: Music Society
- Visually SNU: Photography Club
- SPIC MACAY Shiv Nadar University Chapter
- Infernos: The Dance Society

- Invictus: The Dramatics Society
- ACM Chapter Shiv Nadar University etc.

Another important highlight of the student driven initiatives is an elected Student Council. The Council and these clubs work closely with the Dean of Students Welfare Office to organize various club activities and flagship events over the year. Some of the events organized by students during the year 2015-16 are as follows:

15-16 and 22-23 August 2015: Certificate Course on Policy for Young Leaders

21 students from Shiv Nadar University participated in Centre for Civil Society's 'ipolicy for Young Leaders' certificate course on 15-16 and 22-23 August 2015. Students explored fundamentals of what makes a good policy, why India is poor, how to reform our education policies and ideas of free trade and environment challenges with their expert faculty.

17 August 2015: An evening of Hindustani Classical Music

SPIC MACAY Shiv Nadar University Chapter in association with Cultural Committee organized an evening of Hindustani Classical Music with Shri Ritesh Mishra and Shri Rajnish Mishra. Sons of Shri Rajan Sajan Mishra, they are renowned singers of the 'khyal' style of Indian Classical Music.

7 September 2015: Tali Bajao Campaign

As an attempt to sensitize bystanders witnessing eve teasing / sexual harassment, students at Shiv Nadar University started the Taali Bajao Campaign. The online, campus wide campaign targeted at people in the age group 18-25 yrs, is pivoted around the non-violent act of slow clapping that is used to shame the perpetrator. This subtle yet profound action is an unconventional alternative to people who are too intimidated or dispassionate to intervene. The message is spot on - Back off; it is not acceptable to harass women.



16 September 2015: Street Play

Soch, Harkatey, Nazariya - A Street Play was organized by the Dramatics Society to raise voice against the shameful act of eve teasing.

17-18 October 2015: Management Symposium

School of Management and Entrepreneurship organized its first Annual Management Symposium "MOQSH, 2015". Students from various colleges such as Sri Ram College of Commerce, IIM Indore, Delhi School of Management, IIT Kharagpur, XIMB Bhubaneswar participated in competitive events across various spheres such as Finance, Marketing, Strategy, Innovation and won prizes worth 2.5 Lakh. Eminent personalities from the corporate world graced the occasion and shared their insights of business world with the students: Mr. R. Anand, Global Head: People Practices, HCL Technologies; Mr. Nipun Mehra, VP Sequoia Capital; Mr. Indrajit Sen, Founder Mosaik Global, Former HR Head; Mr. Mandip Singh Soin, Founder & Managing Director, Ibex Expeditions Pvt.Ltd. India. The fest was a grand success!



22-24 October 2015: Breeze 2015

Shiv Nadar University held BREEZE, the Annual Inter College Techno-Cultural Festival. The festival has become a platform for all the students across the country to come together and showcase their creative side. This year Sports Festival, SNU-Sports League (SL) was held along with BREEZE. The students competed and showcased their talent. Myriad activities were organized: face painting, dance performances ranging from classical to contemporary, kite flying, quiz competition and dramatics. For the tech savvy android application competition, Wire-O-logy, Robot wars, Circuit Finance were some of the events that were organized to tease their brains. The audience at the festival were a diverse crowd consisting of students, families, community leaders and corporate professionals.



31 October 2015: Exhibition by Shiv Nadar University

Grand exhibition and installations were put up by the students, faculty and staff of Shiv Nadar University. The exhibition and installations showcased the cutting-edge research and art work done by the University community.

19 November Nirman: Build a Go-kart competition

A Go-kart competition was organized by MechJunction, Department of Mechanical Engineering, School of Engineering. It involved designing and building a Go-kart right from the scratch to give a practical exposure to the industry and how to work on a certain product while designing and building it.



30 November and 1 December 2015: Product Design Exhibition

228 students registered in the Core Common Curriculum Course 510 'Creativity, Concept in Design' put up an Exhibition (1st Yr., 2nd Yr. and a few 3rd Yr.). A total of 72 projects were developed and all the projects were functioning models. The students especially from the first year got exposure to design, development and fabrication of their own projects. For the first time the focus of the project was to generate innovative ideas and hands on experience in fabricating their own project. Various labs including the Design Studio helped them to fabricate their projects. The projects were done with the help of project guides across the university.

17 December 2015: Fund Raising for Chennai Flood Victims

Shiv Nadar University students did a fund raising drive on campus and created a Shiv Nadar University Fund to help rehabilitate the Chennai flood victims. As their first initiative, the alumni distributed 100 school bags including water bottles and stationary kits to children from one of the most affected areas-- Kotturpuram, a slum colony on the banks of Adyar River

7 January 2016: T.E.S.T. Winter School

Department of education conducted T.E.S.T.: 'A Sharing' by Winter School. It was an enthralling performance by students pursuing PG Diploma in 'Theatre for Education and Social Transformation' (T.E.S.T.). The act conveyed social messages like "how to teach a child /adult to face their fears and traumas".

15 January 2016: Talk Organized by ShilpKulam

ShilpKulam - The Mechanical Engineering Society of Shiv Nadar University hosted a talk on "Scaling Laws - The Science of Miniaturization: Engineering of the Future" by eminent academician Prof. Amitabha Ghosh, Senior Scientist of Indian National Science Academy

1 February 2016: Dumbtakshari

Imprints, the Dramatics Society organized 'Dumbtakshari', a mixture of the two famous games, Charades and Antakshari.

4 February 2016: American Society of Mechanical Engineering (ASME) Student Chapter Inauguration

Dr. Madhukar Sharma, President & Director, ASME India, launched the ASME chapter along with Vice Chancellor Prof. Rupamanjari Ghosh and Dr. Santanu Mitra, Head, Department of Mechanical Engineering.



8 March 2016: 'MUDRA' by Inferno

'MUDRA' organized by the student society Inferno Inferno, the dance society of the students of Shiv Nadar University organized a classical dance competition

12-13 March 2016: Zephyr

The students organized the intra-cultural festival, 'Zephyr'. The participants took part in competitions ranging from analyzing stock market data to dancing and singing.

18 March 2016: Workshop by RoboYantriki

RoboYantriki, Robotics society organized a workshop on Arduino under the guidance of faculty advisor Mr. Nishant Mishra.

08 April 2016: Campus Caravan

The University's first independent student-run e-Newspaper Campus Caravan was inaugurated in the presence of the President of Shiv Nadar University, Mr. Rajiv Swarup, who was also the Chief Guest for the occasion. The event was hosted by students and members of the editorial board - Ms. Somya Arora and Ms. Tanmaya Murthy, (Class of 2018), B. Tech. Computer Science and Engineering; and Ms. Gayathri Menon (Class of 2018), B. Sc. (Research) in Economics along with the entire Editorial Board, Design and Writing team of Campus Caravan.



30 April 2016: MFA - Visual Arts Exhibition

MFA (Visual Arts) program Students (Class of 2016) displayed their final year projects in Kiran Nadar Museum of Art at Sec-126 Noida.



AN OVERVIEW

Designed as a comprehensive, multidisciplinary, research-focused and student-centric institutions, Shiv Nadar University was established by the Act no. 12 of 2011 of State Legislature of Uttar Pradesh as a State Private University, and was empowered by the UGC to award degrees under Section 22 of the UGC Act, 1956. The University started Engineering Majors in Academic Year 2011-12 with the approval of AICTE.

Shiv Nadar University now offer 15 Undergraduate Programs, 10 Masters Programs, and 13 Doctoral Programs and currently house 1793 students from 27 States and Union Territories enrolled for 1,534 undergraduates, 132 masters, 13 post-graduate diploma and 114 doctoral students, across four schools: School of Humanities & Social Sciences, School of Natural Sciences, School of Engineering, and School of Management & Entrepreneurship.

The four Schools host 17 academic Departments, ranging from Electrical Engineering to English, from Physics to Marketing and from Economics to Computer Science.

Within a short span of five years, the University has carved a niche for itself in India's higher education arena. Owing to its innovative curriculum, interdisciplinary focus, and cross-disciplinary thinking across a wide range of disciplines, it is now among the country's leading institutions of higher education. The recent UGC Expert Committee Inspection report of Shiv Nadar University is a testimony to its commitment towards excellence. "During a short span of existence, SNU has established as an upcoming and promising university with a focus on a globally competitive brand value. It is a vibrant place where everybody was enthusiastic about their duty and role," states the report.

The University is building an eco-system of knowledge to promote recognition of the inter-connectedness of ideas, systems, and environments in the world inside the campus, and those outside it.

Research, Critical Thinking, and Problem Solving form the core of the learning structure. Students develop the ability to challenge assumptions, critically examine the problems, and seek solutions through the application of knowledge they have gained. Classroom learning extends into research group projects, social initiatives, and internships to ensure that the pursuit of knowledge and its application become a lifelong habit. The University is currently registered with DSIR, Government of India as a Research Institution.

The University believes in complete merit-based admission. Only the best and brightest candidates are selected from the pool of applicants, after a thorough evaluation of their abilities. The University offers generous support to students of exceptional merit. Over 85% of the undergraduates receive financial aid, while 90% of the postgraduate, and doctoral students receive stipends, and full tuition fee-waivers.

The residential character of the University, makes it a place where continuous learning avenues are available even outside the classroom. Informal chats have led to the genesis of 30 vibrant societies, ranging from curriculum related robotics club to creative one in photography society.

AWARDS & ACHIEVEMENTS

UNIVERSITY ACCOLADES

Shiv Nadar University received Special Jury Recognition as the University of the Year (in existence for less than 10 years) during the 11th FICCI Higher Education Summit. The recognition is for demonstrating overall excellence in academics, research studies, faculty employed and infrastructure etc. and is acknowledgement of the unflagging team work of the senior leadership, faculty members, students, alumni, parents, our partner institutions and staff members of Shiv Nadar University - going from strength to strength!

FACULTY ACCOLADES

Biography of Dr. Himanshu Pathak, School of Engineering, Department of Mechanical Engineering included in Marquis Who's Who in the World 2016 edition

The work of Dr. Gouriprasanna Roy, Department of Chemistry, School of Natural Sciences on "Chemical Detoxification of Organomercurials" was highlighted in Angewandte Chemie, one of the best chemistry journals in the world



Dr. Shailja Singh, Associate Professor, Department of Life Sciences, School of Natural Sciences, received the Indus Foundation Award for Research Excellence at the Indo-Global Education Summit held on 14th-15th November, 2015 at Taj Deccan, Hyderabad.

Prof. Dinkar Prasad, Professor and Head, Department of Electrical Engineering and Mr. Naveen Kumar, Ph.D. Scholar, Department of Mechanical Engineering, presented a paper in “Design and implementation of variable frequency drive for single-phase induction motor” which was adjudged as the best paper in power electronics, machines and drives track.

Dr. Dipak Maity, Assistant Professor, Department of Mechanical Engineering, has received the Young Scientist Research Award (Nanomaterials) at Venus International Foundation Research Awards (VIFRA), 2015. VIFRA, recognizes research committed to finding solutions to the daunting challenges faced by the society.

Dr. Sonal Gupta, Post-doctoral fellow with Department of Life Sciences, has been selected by the ‘International Society for Infectious Diseases’ for a ‘Travel Grant Award’ for Young Investigators from India to present her work at the 17th International Congress on Infectious Diseases. This award was made possible with generous support from the Bill & Melinda Gates Foundation, the selection process for which was highly competitive.

Dr. Ganesh D Bhatt, Research Associate, Center for Environmental Sciences and Engineering, received a prestigious SK Seth Award for a Research paper titled - “Plant Richness Modelling in South Gujarat Using Remote Sensing and Geographic Information System” from The Indian Forester, Dehradun.

Dr. Meera Visvanathan, Assistant Professor, Department of History, has received the Vijay Kumar Thakur memorial prize for submitting the best paper in section-1-Ancient India, at the 75th session of the Indian History Congress, held in December, 2015.

Dr. Dimitris G. Kaskaoutis (Assistant Professor, Department of Physics, School of Natural Sciences) and his collaborators published a paper titled "Global and Planetary Change" (January 2016). The paper introduced a new climatology index named CasHKL (Caspian Sea-Hindu Kush Index), which is responsible for large fluctuations in dust activity over south-west Asia

Mr. Nishant Mishra, Assistant Dean of Student Welfare and Assistant Professor, Department of Mechanical Engineering, School of Engineering, Shiv Nadar University, received the Best Faculty Advisor Award at Nirman, National Level Go Kart Championship held on 11-12 April 2016 at Pune.



Prof. Shubhro Sen, Director, School of Management & Entrepreneurship and School of Extended Education and Professional Development, Shiv Nadar University, is featured among the 100 Most Influential Directors of India (Education) by World Education Congress - 23 June 2016 at Mumbai.

Prof. Geetanjali Kolanad, Professor, Department of Art Design and Performing Arts, School of Humanities and Social Sciences, Shiv Nadar University has been selected for the Singapore Creative Writer Agency and has been awarded Singapore International Creative Writing Residency for 2016 with the National University of Singapore from August 2016-January 2017.



Ms. Akanksha Singh, Basketball Coach & Sports Officer, Shiv Nadar University, was awarded for her excellence in sports by the Uttar Pradesh government on 3 May 2016 in Varanasi. The award included an honorarium of ₹ 5 Lakh and a letter from the UP government. Ms. Singh has also been nominated for the Arjuna Award, the second highest sports award in India

STUDENT ACCOLADES

Araf Sheikh (Class of 2019), Rohan Verma (Class of 2018), Karan Sharma (Class of 2017), and Vijay Nandwani (Class of 2017), Students from the School of Engineering, Shiv Nadar University were selected for the Google Summer of Code held on 23 April 2016. Araf is now working under Python Software Foundation and will be sponsored by the Euro Python Society to attend the Euro Python Developer Conference in Bilbao, Spain from the 17-24 July 2016.

Christopher R. (Class of 2016), Mechanical Engineering graduate, Shiv Nadar University, secured 1st and 2nd rank in Product Design and Transportation (TAD), respectively, at Delhi based National Institute of Design. He holds a minor specialisation in Design as well.

Kartika Brakaspathy (Class of 2017), Computer Science Engineering student, Shiv Nadar University has been selected for the Viterbi-India Program. It is a summer research internship program offered in partnership by Indo-US Science and Technology Forum (IUSSTF) and the Viterbi School of Engineering, University of Southern California. The program scholarship include a stipend of \$3000 and airfare.

Mainak Banerjee, Ph.D. Scholar with Dr. Gouriprasanna Roy received the “Best Poster” award for his poster at the "10th Mid-Year Chemical Research Society of India (CRSI) Symposium in Chemistry", July 23-25, 2015, at NIT Tiruchirappalli, Tamil Nadu, India. Mainak’s work on “Chemical Detoxification of

Organomercurials” was highlighted on the inside back cover of *Angewandte Chemie*, one of the best chemistry journals in the world.

Ayana R., Ph.D. Scholar with Dr. Shailja Singh and Dr. Soumya Pati, Department of Life Sciences received the Singapore symposium travel award. The student travel fellowship award is considered as one of most prestigious awards given by the Stem Cell Society Singapore (SCSS) to Ph.D. scholars. This award is highly competitive, only given to few candidates based on their work.

Garima Singh, Ph.D. Scholar with Dr. Ashutosh Singh, Department of Life Sciences won the 3rd prize in ‘Poster Presentation’ and received “Travel Fellowship Award” (only 9 scholars were awarded) in the 26th Annual GIW (International Conference on Genome Informatics) and 14th Annual InCoB (International Conference on Bioinformatics) held in Tokyo from 9-12 September 2015.

IEEE (Institute of Electrical and Electronics Engineers) Shiv Nadar University Student branch won UPP mini sponsorship for the project on “Smart Garbage Bins”.

Tanmaya Jain (Class of 2015) and Varun Puri (Class of 2015) made front-page headlines with their 2 year old startup, inFeedo.com, a collaboration platform that helps companies solve in-house problems and execute ideas, across teams and cities. With 600 employees enjoying their services across 7 cities and 2 countries, they're generating an annual revenue in 7 digits with their Ex-Google, IBM and Fidelity advisors.

Delhistartups.org, under the contest 'Golden Ticket' selected Tanmaya and his team as one of the five start-ups among 110 entries, to pitch their concept in front of an esteemed panel comprising of Country Heads of Amazon, Facebook, LinkedIn India and the CEOs of MakeMyTrip, TimesInternet, Hungama and IndiaMart.

Six students from Shiv Nadar University, presented papers in the prestigious Project E-QUAL Student Conference, titled, “Online Resources in Advancing Knowledge and Skills and their implementation” at the University of Hyderabad. Those six students are: Sahithi Vinjamuri, IV Year, B.Tech. in Electronics and Communications Engineering; Somya Arora, II year, B. Tech. in Computer Science and Engineering; Oshin Shakdwipee, II Year, B.Tech. in Civil Engineering; Gokulnath Govindan, IV Year, B.A. (Research) English; Yogesh Kumar, IV Year, Mechanical Engineering; Abhilasha Awasthi and Kartikeya Kaushik.

Mr. Mainak Banerjee, Ph.D. Scholar with Dr. Gouriprasanna Roy, Assistant Professor, Department of Chemistry, received Best Poster award for his poster at the Modern Trend in Inorganic Chemistry (MTIC_XVI), which took place during 3-5 December, 2015 at Jadavpur University, Kolkata.

Mr. Gokulnath Govindan, (Class of 2018) B.A. (Research) English has been selected to participate in a fiction writing workshop being conducted by the University of East Anglia in collaboration with Caravan Magazine and the British Council. This will be a wonderful opportunity for Gokulnath as he will learn the craft from well-known authors like Mr. Amit Chaudhuri.

Ms. Ayana Rajgopal, Ph.D. Scholar, Department of Life Sciences, School of Natural Sciences from Host-Pathogen Interaction & Disease Modeling Group won the Visualspark competition at Jawaharlal Nehru University held in Biosparks 2016 on the 18th & 19th of March. Ms. Rajgopal presented one of the unpublished artwork entitled "Calcium Signaling in Human Neurons" as a collaborative effort with Dr. Shailja Singh's (Associate Professor, Department of Life Sciences) group.

MAJOR EVENTS

31 October 2015, Shiv Nadar University celebrated its First Convocation

The first convocation ceremony at Shiv Nadar University was a defining moment both for the University and for the Founding Class. For the Class of 2015, this marks the end of one journey and the beginning of another: many have started working with leading organizations, while 33 students are pursuing higher education at globally acclaimed universities. Degrees were conferred upon 295 students on this momentous occasion. The ceremony was graced by dignitaries from Government of India, Corporate and Academic world.

Guests of Honor



**DR. ARVIND SUBRAMANIAN,
CHIEF ECONOMIC ADVISOR TO THE
GOVERNMENT OF INDIA**



**DR. RAJ REDDY,
PROFESSOR, CARNEGIE MELLON
UNIVERSITY, USA**

Honorary Degree Recipients:

- Dr. Faqir Chand Kohli - Padma Bhushan awardee, Dr. Faqir Chand Kohli, who is also referred to as the 'father of the Indian software industry', is a master strategist and visionary whose systematic building of TCS from 1974-1996 not only created a pioneering IT giant but also laid the ground work for the rise of the \$108 billion Indian IT industry.

In honoring Dr. Kohli with the award of the University's first Honorary Doctorate, the Shiv Nadar University recognizes his contribution to nation building. He exemplifies the values, mission and vision of the University and provides a role model of integrity and inspirational leadership for the SNU community.

- Mr. Sayed Haider Raza - Padma Vibhushan awardee, Syed Haider Raza is one of India's greatest icons of modern and contemporary art. A founder of the enormously influential Progressive Artists

group, he combined western abstraction with Indian visual traditions and helped to create a uniquely Indian style of contemporary art.

In honoring Mr. Raza with one of the University's first Honorary Doctorate, the Shiv Nadar University recognizes his contribution to Indian art and culture. He exemplifies the values, mission and vision of the University and provides a role model of integrity and inspirational leadership for the SNU community.

- Ashoke Sen - Padma Bhushan awardee, Dr. Ashoke Sen, is a world renowned theoretical physicist with research interest in String Theory. His work seeks to unravel the most fundamental mysteries of the Universe, and it has given Indian physics great prominence in the global scientific establishment.

In honoring Dr. Sen with one of the University's first Honorary Doctorate, the Shiv Nadar University recognizes his outstanding contribution to science, and also his dedication and support to science research and teaching in India. He exemplifies the values, mission and vision of the University and provides a role model of integrity and inspirational leadership for the SNU community.

President of India formally inaugurated Shiv Nadar University and dedicated the institution to the nation - 18 January 2016

The 18th of January, 2016 was a momentous day when the Honorable President of India, Shri Pranab Mukherjee, visited Shiv Nadar University and dedicated the institution to the nation. The solemn ceremony was also graced by the presence of Shri Ram Naik, the Honorable Governor of Uttar Pradesh, Shri Shahid Manzoor, Minister of State, Labour and Employment of Uttar Pradesh and many other dignitaries from the Shiv Nadar Foundation, including Mr. Shiv Nadar, Founder and Chairman, HCL and Shiv Nadar Foundation and the corporate and academic community.



Speaking on the occasion, the Hon'ble President, Shri Pranab Mukherjee said, "As a country with one of the world's youngest population, India's success lies in its ability to leverage its demographic dividend. Education plays a very significant role in not only empowering the youth but also in nation-building. The most prestigious and reputed universities globally have been built on the fundamental pillars of excellence - meritocracy, flexibility to explore, freedom to challenge oneself and grow from failure, and most importantly, innovation and research. In a relatively short span of time, the Shiv Nadar University has emerged as one of India's leading private universities. I believe the Shiv Nadar University will emerge as a landmark institution, critical to nation-building in the 21st century and beyond and in time, will also take its rightful place among the pantheon of great universities of the world. It is my honour to dedicate the Shiv Nadar University to the nation."



Inaugurating the faculty residential complex the Hon'ble President further added, "The residential character of the University for both faculty and students will help nurture a strong environment for exploration, collaboration and continuous dialogue."

During the event, Shri Ram Naik, the Hon'ble Governor of Uttar Pradesh observed that "Indian universities do not have any significant global presence. The main reason for this could be the lack of interest in innovative thinking and research. I am happy to know that research is one of the most important components of the eco-system of Shiv Nadar University."



Shiv Nadar University held its Second Convocation on 7 May 2016

Shiv Nadar University is designed as a comprehensive, multidisciplinary, research-focused and student-centric university. The University celebrated its second convocation on 7 May 2016. Noted academician and researcher, Dr. Raghuram Rajan, Governor, Reserve Bank of India and Ms. Vanitha Narayanan, Managing Director, IBM India, attended the convocation as Guests of Honor and addressed the gathering.

Guests of Honor



**DR. RAGHURAM RAJAN,
23RD GOVERNOR OF
RESERVE BANK OF INDIA**



**MS. VANITHA NARAYANAN,
MANAGING DIRECTOR,
IBM INDIA PRIVATE LIMITED**

Delivering the Commencement address at the Convocation, Dr. Raghuram Rajan, Governor, Reserve Bank of India said, "India is changing, in many ways for the better. You will be able to help shape our country, the world, and your place in it. By all means set yourself ambitious goals. But remember that, as both ancient Indian philosophers and modern day behavioural psychologists say, the achievement of narrow personal goals - greater wealth, rapid promotion, or increasing renown - rarely brings you anything other than brief pleasure. I don't claim to know the secret of happiness, but this seems obvious - if you like the journey, if you get pleasure from the work you do, it matters far less when, or indeed whether, you reach your destination. You have far more control over the journey you choose. And often the most enjoyable journeys are those where your goals are broader and where you take others with you, especially others who could not make it without your help. In doing so, you will make this world a better, and more stable, place."

Distinguished Guest, Ms. Vanitha Narayanan, Managing Director, IBM India Private Limited, addressing the Graduating Class of 2016 stated, "We have the opportunity to be in India at an extraordinary time. We have people, youth, intellect, capability, largest consumer economy after US and a sunrise startup culture. Make the most of these factors. Don't define yourself with the title or the profile you carry. Define yourself by how you do your job. Don't create artificial boundaries. "

Shiv Nadar University conferred Honorary Doctorate on Mr. Deepak Parekh, Chairman, HDFC for his outstanding contribution to the Banking and Financial Services sector, and his pioneering initiatives in corporate philanthropy and social commitment. Mr. Parekh in his acceptance speech stated, "I am indeed honored to be conferred with an honorary doctorate from the Shiv Nadar University. At this moment, I am grappling with words to express myself. Last year, three outstanding stalwarts were conferred honorary doctorates and I am truly humbled with this kind gesture of bestowing me with this honor as well." He congratulated the graduating batch and advised the students to follow the values of honesty, integrity and transparency in their journey through life.

Other Major events that were held during 2015-16 are as follows:

- **Visit by representatives of Carnegie Mellon University - 7 July 2015**
Shiv Nadar University hosted dignitaries from the partner institution, Carnegie Mellon University, Pittsburgh, USA. The visitors met various Heads of Departments in the Schools of Engineering and Natural Sciences. Prof. Rupamanjari Ghosh briefed them about Shiv Nadar University's history and plans. Prof. Ghosh stressed on the need for starting joint research programs between individual faculty members at Shiv Nadar University and Carnegie Mellon University, based on the interest and strength of each partner. Towards this goal, focused discussions were initiated with Dr. Debopam Acharya (Head, Computer Science & Engineering), Prof. Girish Agrawal (Head, Civil Engineering), and others.
- **Seminar by Dr. Jitendra Kumar, Uppsala University, Sweden - 21 July 2015**
A seminar on "Genomics and metabolomics of CVD and associated traits" was delivered by Dr. Jitender Kumar, Post-Doctoral Researcher, Department of Medical Sciences, Molecular Epidemiology, Uppsala University, Sweden. It was organized by the Department of Life Sciences, School of Natural Sciences.
- **Equipment handing over ceremony - 14 August 2015**
Alexander von Humboldt (AvH) fellow, Prof. Alope Kanjilal was granted an equipment subsidy worth € 20,000 by the AvH foundation for his outstanding research efforts. A contact angle measurement system (DSA-25) was bought from Krüss GmbH, Germany, using the grant. The equipment is used to determine surface properties of solids and liquids, including determining the degree of wetting, whereby wetting is the ability to form interfaces with solid surfaces.
The Science Counsellor of the German Embassy, Mr. Stephan Lanzinger did the formal hand-over on August 14, 2015 at the Shiv Nadar University. Prof. Rekha Rajan, Head of Alexander von Humboldt Foundation India, Dr. S.N. Balakrishnan - Chancellor and Chairperson, Executive Council, Shiv Nadar University and Prof. Rupamanjari Ghosh - Director, School of Engineering and School of Natural Sciences also graced the occasion with their presence.
- **Workshop on Additive Manufacturing (3D printing) - 17-18 August 2015**
The Department of Mechanical Engineering, School of Engineering (SOE), organized a National Workshop on Additive Manufacturing (3D Printing). The two-day workshop was inaugurated by Dr. Nikhil Sinha, Vice Chancellor, Shiv Nadar University. Dr. Rupamanjari Ghosh, Director, School of Engineering & School of Natural Sciences welcomed the speakers and the participants. Professor Ming C. Leu, Keith and Pat Bailey Professor, Department of Mechanical and Aerospace Engineering, Missouri University of Science and Technology, USA, Dr. Y. Ravi Kumar, NIT Warangal, Prof. P. V. Madhusudhan Rao, IIT Delhi, Prof. K. P. Karunakaran, IIT Bombay, faculty members of the Department of Mechanical Engineering and SoE also graced the occasion.

The Workshop intensively covered additive manufacturing (AM) which has been identified by all major Medical, Defense, Consumer Products and Electronics, Aerospace and Automobile Agencies as a key enabling technology. The National Workshop was followed by a cultural evening.
- **Belgian Ambassador Mr. Jan Luykx's visit to Shiv Nadar University - 24 August 2015**
Mr. Jan Luykx, Ambassador of the Kingdom of Belgium, visited Shiv Nadar University. To mark the occasion there was an exhibition on the "Role of the Indian and Belgian Soldiers during the Great War"

- **Lecture by Professor Pierre Goloubino-, University of Lausanne, Switzerland - 25 August 2015**
 Department of Life Sciences organized a talk by Prof. Pierre Goloubino from the University of Lausanne, Switzerland.
- **Talk by Mr. Rakesh Pandey, Lecturer, Boston University - 27 August 2015**
 A talk was delivered by Mr. Rakesh Pandey, a distinguished academician from Boston University, specifically designed for students of UG from 1st and 2nd year. Rakesh Pandey is a Lecturer at the Questrom School of Business at Boston University where he teaches courses in Operations and Technology Management, Data Analysis and Strategy. He is also an Executive-in-Residence at Northeastern University and a Mentor at Legatum Center at MIT, both in the Boston area.
- **Talk by Mr. Shashank Bansal, Vice President, Bank of America Merrill Lynch Japan - 31 August 2015**
 The Economics Society organised a talk by Mr. Shashank Bansal from the Bank of America. Vice President, Bank of America Merrill Lynch Japan, Delhi, Mr. Shashank Bansal has over 13 years of experience in derivatives trading, counter party risk management and middle office. The talk was about how financial markets work, their structure, various moving parts, various departments, careers available and the skillset needed.
- **Workshop by Instabili Vaganti, an Italian Theatre and Dance Company - 31 August 2015**
 Gitanjali Kolanad (Professor, Department of Art Design and Performing Arts) and Atul Bhalla (Associate Professor, Department of Art Design and Performing Arts) invited the famous duo, Anna Dora Dorno and Nicola Pianzola from Italian Theatre and Dance Company, Instabili Vaganti, to hold a workshop with Shiv Nadar University students. Founded in 2004 in Bologna, Instabili Vaganti has produced performance, led workshops and directed performing arts projects in many countries.
- **Talk by Mr. Eric Rowell, Duke University - 5 September 2015**
 Mr. Eric Rowell from Admission Office of Duke University's The Fuqua School of Business visited Shiv Nadar University campus. He provided an overview on the application process for the Graduate School Admissions at the US universities in general, and, Fuqua School of Business, Duke University in particular.
- **Economics Seminar Series Professor Arunava Sen - 9 September 2015**
 Department of Economics organized a talk by Professor Arunava Sen (Indian Statistical Institute, Delhi). The title of his talk was, "Continuous Cardinal Incentive Compatible Mechanisms are Ordinal" in which it is shown that every cardinal incentive compatible voting mechanism satisfying a continuity condition must be ordinal. Professor Sen is the recipient of the Infosys Prize in Social Sciences, 2012 and a Ph.D. from Princeton University and M.Phil. from Oxford University. His research interests are Game Theory, Social Choice Theory, Voting and Auctions.
- **Orientation Programme on Gender Sensitization - 24 September 2015**
 An orientation session was conducted by the SNU committee on Sensitization of Gender, in which some basic information that every member of the SNU community is expected to know was

shared. Prof. Rupamanjari Ghosh, Dr. Tulika Chandra and Prof. Amber Habib addressed the audience which was followed by an open forum for Q&A and exchange of ideas.

- **Seminar, Department of Sociology - 14 October 2015**
The Department of Sociology, School of Humanities and Social Sciences, organized a seminar by Dr. Jules Naudet on “The three worlds of Indian capitalism: Revisiting the Owner/Manager Opposition through an Analysis of the Social Space of Indian Top CEOs and Chairmen”.
- **Delegation of US Universities visited Shiv Nadar University - 15 October 2015**
US Embassy in India and Education USA hosted a delegation of US Universities at Shiv Nadar University campus. Students had an interaction with representatives from University of South Florida, University of South Haven, Bradley University, Indiana University-South Bend, Rochester Institute of Technology, Education USA and British Council. The fair helped students gain knowledge about the process of graduate admissions in these Universities.
- **First Alumni Convention - 30 October 2015**
The First Alumni Convention marked the beginning of a new chapter in the Shiv Nadar University story. It was home coming for the founding batch. The Convention was organized by the Alumni Relations Office, Shiv Nadar University.
- **Seminar, Department of Mechanical Engineering - 2 November 2015**
The Department of Mechanical Engineering, School of Engineering, Shiv Nadar University invited Prof. Anupam Dewan, Indian Institute of Technology, Delhi, to deliver a seminar talk on “Challenges and Recent Advances in Computation of Turbulent Slot Jet Impingement Heat Transfer.”
- **A talk organized by Department of Physics**
Department of Physics organized a talk on “String Theory and Cosmology: Tying the two ends” by Prof. Ashoke Sen, Distinguished Professor, Harish-Chandra Research Institute, Allahabad. String theory is the study of the laws of nature at the smallest conceivable length scale while cosmology is the study of the universe at the largest conceivable length scale. Yet these two subjects are intimately connected. Prof. Ashoke Sen gave a brief overview of this interconnection.
- **SNU-USI Conference - 6-7 November 2015**
An international conference on India’s role in World War I was organized by Shiv Nadar University and the United Service Institution of India (USI) on November 6-7, 2015. Dubbed, “India and World War I: Across Generations”, the conference took place at the USI on November 6th, before moving on to SNU on November 7. On behalf of SNU, the conference was put together by Dr. Vikram Kapur (English) and Dr. Samuel Berthet (Sociology). The conference saw spirited discussion on India’s involvement in World War I by an eminent group of scholars and writers. The first session, moderated by his excellency Mr. Jan Luykx, Belgium’s ambassador to India, focused on the import and impact of the War today. Squadron Leader Chhina and esteemed Belgian historian Mr. Dominiek Dendooven debated why India’s role in the First World War has gone missing in public memory for so many years even though it has remained an integral part of regimental history and tradition in the Indian armed forces.

- **Open House and Science Fair - 7 November 2015**
 The School of Natural Sciences organized an Open House and Science Fair for high school students. The event saw participation from schools such as Shri Ram School, Ryan International School, Step By Step, Kendriya Vidyalaya, Bharti Public School and Vidyagyan. Inspiring career talks were given by professors from various departments, which was followed by interactive sessions with students. The school students also had an opportunity to visit all the laboratories on campus, view posters and converse with students who did their OUR (Opportunities for Undergraduate Research Program) research projects over the last year. It was a pleasure for all the organisers and faculty, to be able to meet these future scientists and guide them towards choosing the right path.
- **School of Management and Entrepreneurship organized a talk by Professor Rajendra Sisodia - 12 November 2015**
 School of Management and Entrepreneurship organized a talk by Professor Rajendra Sisodia, FW Olin Distinguished Professor of Global Business and Whole Foods Market Research Scholar in Conscious Capitalism at Babson College in Wellesley, Massachusetts, on the topic of “Conscious Capitalism - Creating Organizations in Which Everybody Matters and Everybody Wins”. Prof. Sisodia is highly respected academician and thought leader, a bestselling author and influential speaker on leadership and high performance organizational cultures. His books have been translated in several languages. His ideas have been implemented in several organizations across US, Europe and Asia.
- **SNU- IIC Lecture Series - 18 November 2015**
 Shiv Nadar University along with India International Centre (IIC) organized a lecture series titled “India and the World: International Experience & National Policy.” This lecture series was curated by Prof. Dipankar Gupta, Distinguished Professor at Shiv Nadar University and the Director of the Centre for Public Affairs and Critical Theory. The month-long series probed the viability of India learning from experiences of other countries on some of the most pressing issues facing our policy makers. The eminent speakers included Dr. Pronab Sen, Country Director, International Growth Centre; Dr. Rathin Roy, Director and Chief Executive, NIPFP; Dr. Nachiket Mor, Chair, CARE India Board; Mr. Manish Sabharwal, Chairman, Teamlease; Dr. Surjit Bhalla Chairman, Oxus Investments and Senior India Analyst, Observatory Group.
- **39th National Systems Conference - 14-16 December 2015**
 The 39th National Systems Conference (NSC2015) was held in Shiv Nadar University. The theme of the Conference was “Emerging Technologies for Engineering Complex Systems”. Prof. N. Balakrishnan, IISc Bangalore was the Chief Guest of the Conference. The three day conference saw several eminent scientists and technologists from India at the Shiv Nadar University campus. The event stimulated in-depth discussions on Systems Engineering. Through the wide range of paper presentations, the conference focused on the interdisciplinary aspects and applications of Systems Engineering. NSC 2015 provided a high-level, national forum to discuss recent trends in systems engineering practice across the multiple disciplines associated with the engineering of complex systems. Systems Society of India was the organizing partner of the NSC 2015. The National Systems Conference 2015 was technically sponsored by IEEE UP Section.
- **Department of education conducted T.E.S.T.: 'A Sharing' by Winter School - 7 January 2016**
 An enthralling performance by students pursuing PG Diploma in “Theatre for Education and

Social Transformation” (T.E.S.T.), the act conveyed social messages like “how to teach a child /adult to face their fears and traumas”.

- **School of Management and Entrepreneurship organized a Talk by Dr. Simant Dube - 27 January 2016**
Dr. Simant Dube, New College of Florida gave a talk on “Machine learning, Deep Learning, Data Science and A.I.”
- **Department of English-Talk by Ms. Vatsala Srivastava from “Represent” - 28 January 2016**
Ms. Vatsala Srivastava, Project Director-Represent (in collaboration with University of California, Berkeley), gave an introduction to an interesting endeavor called “Represent” to map the World through stories.
- **Big Data Analytics Center (BDAC) organized a talk by Prof. Yann Bushnel from ENSAI France - 29 January 2016**
The event introduced the University of ENSAI, France to the students, followed by Prof. Yann Bushnel talk on “Big Data in Nutshell and Dependable Issues Resolved with Distributed System”.
- **Department of Chemistry: NMR Spectrometer Installation - 29 January 2016**
₹ 18.8 Crore Nuclear Magnetic Resonance (NMR-400 MHz) Spectrometer from Bruker (Switzerland), was successfully installed in School of Natural Sciences ‘Advance Research Complex’.
- **School of Engineering (SoE): Talk on Automation and Robotics - 2 February 2016**
The British Council organized a master class by Dr. Hongwei Zhang, Sheffield Hallam University on “Automation, Robotics and Control”.
- **Department of Chemistry: Talk by Dr. Purushottam (Puru) Jena - 2 February 2016**
Dr. Purusottam (Puru) Jena, Distinguished Professor of Physics at Virginia Commonwealth University gave a talk on “From Clusters to Crystals: A Bottom-up Design of Energy”.
- **Department of Sociology: Talk by Dr. Darryl Li - 2 February 2016**
Dr. Darryl Li (Anthropologist and Attorney, currently Associate Research Scholar at Yale Law School (USA)), elaborated on some unanswered questions about ‘Jihadism’.
- **Department of Economics: Talk by Ms. Vidhya Soundaryarajan - 3 February 2016**
As a part of the Economics Seminar Series, Ms.Vidhya Soundararajan, Cornell University presented a paper on ‘Contract Work and Endogenous Firm Productivity in the Indian Manufacturing Sector’.
- **Department of Computer Science: Talk by Dr. Nirmala Shenoy - 4 February 2016**
ACM (Association for Computing Machinery), a Student Chapter presented a talk on ‘Software Defined Networking and Clean Slate Routing Initiatives’ by Dr. Nirmala Shenoy, Professor, Rochester Institute of Technology, New York and Visiting Professor at Shiv Nadar University.
- **Talk by Mr. Tarun Das - 4 February 2016**
Mr. Tarun Das, Ex-Director General, CII spoke on how India has re-shaped since the economic liberalization in 1991 and emergence of Startup culture vis-à-vis young people taking up regular jobs.

- **Department of History - Talk by Dr. Ayesha Kidwai - 11 February 2016**
Dr. Ayesha Kidwai, Professor, Centre for Linguistics Department, Jawaharlal Nehru University gave a talk on 'The Recovery of Abducted Women: Women's solidarities, citizenship and the family'.
- **Department of English: Line by Line - 19 February 2016**
2nd Annual International Conference, 'Line by Line: Habits and Practices of Writing' wherein scholars, writers and editors came together to think and talk on how writing shapes our world.
- **School of Management and Entrepreneurship organized a talk by Prof. Howard Ross - 25 February 2016**
The author of "Everyday Bias" and "Reinventing Diversity" Prof. Howard Ross gave a talk on "The Unconscious Bias".
- **Department of Life Sciences organized National Science Day - 29 February 2016**
Three scientists shared their original research: Prof. Kasturi Datta, a Fellow of all three Science Academies of India, currently DBT-Distinguished Biotechnology Professor; Prof. Rentala Madhubala, Fellow of all three Science Academies of India, Professor and Ex-Dean of the School of Life Sciences, Jawaharlal Nehru University; and faculty of Shiv Nadar University, Dr. Shailja Singh of the Department of Life Sciences.
- **Department of English: Talk with Ohio State University - 1 March 2016**
Dr. Tulika Chandra, Associate Professor, Department of English, organized a video conference between students of Shiv Nadar University and Ohio University, as part of the course 'Global Folklore'.
- **Visit by Mr. Anurag Bhushan - 3 March 2016**
Mr. Anurag Bhushan, Consul General of India at Dubai interacted with students and shared his experiences and perspectives of working with Indian Foreign Services.
- **EKONOMETRIKA-Economics Society Festival - 6 March 2016**
The Economics Society organized a series of events: 'Verkaufer', an Ad-Mad competition; 'Schatzsuche', a treasure hunt based on economic questions; and 'The Dispute', a debate competition.
- **Workshop: Intellectual Property Awareness Program by National Research Development Corporation (NRDC) - 7 March 2016**
The day-long workshop by NRDC, an enterprise of Department of Scientific and Industrial Research (DSIR), Ministry of Science and Technology, was conducted by Mr. B.K.Sahu, Deputy Manager, IPR, NRDC.
- **Department of Sociology: Reimagining the field: A two-day workshop - 16-17 March 2016**
Research Scholar's Group of Department of sociology organized a two-day workshop on exploring the complex processes that go into selecting, delimiting, constructing, imagining and negotiating the Field.
- **Department of Mechanical Engineering: Two Days Workshop - 17-18 March 2016**
Dr. Pankaj Kumar, a well-renowned researcher from the Institute of High Performance Computing,

A*STAR, Singapore, conducted a two-day workshop on 'Open FOAM and Lattice Boltzmann.'

- **Visit by the German House for Research and Innovation - 18 March 2016**
Shiv Nadar University hosted the members of the German House for Research and Innovation to present their individual organizations and possibilities of research and study in Germany.
- **Interactive SNU - 4 April 2016**
"Interactive SNU" - a faculty led discussion forum for the Shiv Nadar University Community was inaugurated by Prof. Rupamanjari Ghosh, Vice Chancellor. The forum aims to inspire conversation, discussion and debate. The objective is to examine the intersecting worlds of scholarship and citizenship.
- **House of Habers - 8 April 2016**
The Department of Chemical Engineering inaugurated its technical Society "House of Habers H₂O".
- **Chemistry Symposium - 9 April 2016**
The Department of Chemistry organized a one-day symposium on "Emerging trends in translational research in India". The symposium provided a platform for research scholars to share new information, advances and outlooks on interdisciplinary research in India. Scholars in chair included Prof. Rupamanjari Ghosh, Vice Chancellor, Shiv Nadar University; Dr. Sudhanshu Vradi, Dean, Translational Health Science and Technology Institute (THSTI) Faridabad; Dr. Asit K. Chakraborti, Dean National Institute of Pharmaceutical Education and Research, Chandigarh; Prof. N. Sukumar, Head, Department of Chemistry, School of Natural Sciences, Shiv Nadar University.
- **Workshop on Big Data - 15 April 2016**
The Big Data Analytics Center organized a workshop on "Big Data Analytics: Trends shaping the future in Academics and Industry". Speakers invited for the workshop included Dr. Ravi Kothari, Chief Scientist, IBM Research-India; Prof. R.L. Karandikar, Director C.M.I.; and Dr. Ashwani Upadhyaya, CRIS Ministry of Railways.
- **Archaeology Talk - 18 April 2016**
A talk by Ms. Rachel Varghese on the topic - "Archaeology and its Public(s)" was hosted at the University campus. The talk focused on the case of Pattanam Excavations, Central Kerala and studied the responses and discourses generated by the archaeological explorations and excavations at the site. Ms. Varghese is pursuing her doctoral research at the Center for Historical Studies, Jawaharlal Nehru University.
- **AIS Matrix Analysis - 2 May 2016**
The Department of Mathematics organized an Advanced Instructional School (sponsored by National Center of Mathematics) on Matrix Analysis with 33 outstations and 4 participants from Shiv Nadar University. The speakers were renowned mathematicians in the mentioned area of research and included Prof. Rajendra Bhatia (ISI Delhi); Prof. R.B. Bapat (ISI Delhi); Dr. Tanvi Jain (ISI Delhi); Dr. Sivaramakrishnan Sivasubramanian (IIT Bombay); Dr. Shreemayee Bora (IIT Guwahati); and Dr. Priyanka Grover (Shiv Nadar University).
- **Shiv Nadar University's Second Convocation - 7 May 2016**
The University celebrated its second convocation on 7 May 2016. Noted academician and researcher, Dr. Raghuram Rajan, Governor, Reserve Bank of India and Ms. Vanitha Narayanan,

Managing Director, IBM India, attended the convocation as Guests of Honor and addressed the gathering.

- **Mathematics Training and Talent Search (MTTS) - 30 May 2016**

The Department of Mathematics hosted MTTS, an intensive residential summer training program at the University campus from 30 May to 25 June, 2016. Prof. S. Kumaresan is the Director of the programme. Local Coordinators include Dr. A.V. Jayanthan, Assistant Professor, Department of Mathematics, IIT Madras; Dr. Shankar Prasad, Local Coordinator MTTS 2016, Department of Mathematics, RIE Manasagangotri, Mysore; and Dr. A. Satyanarayana Reddy, Assistant Professor, Department of Mathematics, Shiv Nadar University.

- **International Yoga Day - 21 June 2016**

International Yoga Day was celebrated at Shiv Nadar University. The celebrations were organized by the Dean of Student Welfare office. The event saw active participation from students, staff and faculty members

BOOKS AND BOOK CHAPTERS

SCHOOL OF ENGINEERING

DEPARTMENT OF CIVIL ENGINEERING

Dr. Girish Agrawal

1. **Book chapter:** "Road Safety Law and Policy." In *Transport Planning and Traffic Safety: Making Cities, Roads, and Vehicles Safer*, G. Tiwari and D. Mohan (eds.) (CRC Press, Taylor & Francis Group, ISBN 9781498751452), pp. 305-320, in stores May 2016.

Dr. Dinesh Mohan

2. **Book:** G. Tiwari & D. Mohan (Eds.), *Transport planning & traffic safety: Making cities, roads, & vehicles safer*. Boca Raton, FL: CRC Press, Taylor & Francis Group (2016).
3. **Book chapter:** Bhalla, K., & Mohan, D. (2016). Understanding the road safety performance of OECD countries. In G. Tiwari & D. Mohan (Eds.), *Transport planning & traffic safety: Making cities, roads, & vehicles safer* (pp. 1-16). Boca Raton, FL: CRC Press, Taylor & Francis Group.
4. **Book chapter:** Mohan, D. (2016). Human tolerance to injury: role of biomechanics and ergonomics. In G. Tiwari & D. Mohan (Eds.), *Transport planning & traffic safety: Making cities, roads, & vehicles safer* (pp. 137-144). Boca Raton, FL: CRC Press, Taylor & Francis Group.
5. **Book chapter:** Mohan, D. (2016). Road traffic injury as a public health problem. In G. Tiwari & D. Mohan (Eds.), *Transport planning & traffic safety: Making cities, roads, & vehicles safer*. (pp. 17-28). Boca Raton, FL: CRC Press, Taylor & Francis Group.
6. **Book chapter:** Mohan, D. (2016). Safety promotion: education and legislation. In G. Tiwari & D. Mohan (Eds.), *Transport planning & traffic safety: Making cities, roads, & vehicles safer* (pp. 59-70). Boca raton, FL: CRC Press, Taylor & Francis Group.
7. **Book chapter:** Mohan, D. (2016). Speed and its effects on road traffic crashes. In G. Tiwari & D. Mohan (Eds.), *Transport planning & traffic safety: Making cities, roads, & vehicles safer* (pp. 127-136). Boka raton, FL: CRC Press, Taylor & Francis Group.

8. **Book chapter:** Tiwari, G., & Mohan, D. (2016). Public transport and safety. In G. Tiwari & D. Mohan (Eds.), Transport planning & traffic safety: Making cities, roads, & vehicles safer (pp. 285-300). Boca Raton, FL: CRC Press, Taylor & Francis Group.

DEPARTMENT OF ELECTRICAL ENGINEERING

Dr. Madan Gopal

9. Control Systems Engineering" by I.J.Nagrath and M.Gopal, Sixth Edition, June 2016.

DEPARTMENT OF MECHANICAL ENGINEERING

Dr. Divya Shrivastava

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62. S. K. Mandal, **P. Munshi***, F. Meilleur, D. A. A. Myles*. "Scanning the Resolution Limit in Neutron Protein Crystallography" The 13th Asian Conference of the Asian Crystallographic Association, 05 - 08 Dec 2015, Kolkata. (**oral presentation**).
63. K. K. Jha, V. Kumar, **P. Munshi**. "Five Solvatomorphs of a Stilbene Derivative: A Systematic Study of Solvent Interactions" The 13th Asian Conference of the Asian Crystallographic Association, 05 - 08 Dec 2015, Kolkata. (**Poster presentation**).

64. K. K. Jha, S. Dutta, V. Kumar, **P. Munshi**. "Polymorphism in Donor-Acceptor Chromophore" one day Prof. R.C. Paul national symposium at the chemistry Department, Panjab University, Chandigarh, 23rd January 2016.
65. **P. Munshi** "Diversity of Polymorphism in Donor-Acceptor Chromophore" National Seminar on Crystallography 2016, Pune 10 - 13th July.
66. K. K. Jha, S. Dutta, **P. Munshi** "Unraveling Charge-transfer Mechanism in Organic NLO Materials via Experimental and Theoretical Charge Density Analysis", National Seminar on Crystallography 2016, Pune 10 - 13th July.
67. S. K. Mandal, B. Guillot, **P. Munshi** "Quantitative Analysis of Hydrogen Bonding in Proteins: A Charge Density Database Transfer Approach", National Seminar on Crystallography 2016, Pune 10 - 13th July.

Dr. N. Sukumar

68. Pinaki Saha, Amol B. Rahane, N. Sukumar, Vijay Kumar. **Double ring tubular structures of boron clusters stabilized by metal atom doping: MB₁₄ (M = Cr, Fe, and Ni)**, *Intl. Symp. on Clusters, Cluster-Assemblies and Nanomaterials (ISCAN)*, Thiruvananthapuram, Kerala, March 9-12, 2016.

Dr. Subhabrata Sen

69. Intuitive scaffold hopping strategy towards substituted furopyridinediones as novel inhibitors of α -glucosidase: Oral Presentation in International Conference on Pharmaceutical Bioinformatics, 2016, Pattaya, Thailand, 25th-27th January, 2016.

Dr. Bimlesh Lochab

70. Oral Presentation, Swapnil Shukla and Bimlesh Lochab, Inverse vulcanization polymer composites via sustainable route for Li-S battery, 5th International Conference on Advances in Energy Research-2015, India, Dec 2015.
71. Poster Presentation, Swapnil Shukla and Bimlesh Lochab, Role of Higher Functionalities in Cardanol based Benzoxazines, RSC Workshop on 'Chemistry for Tomorrow's World, Dec 2015.
72. Oral presentation, B. Lochab, "Cardanol - Sustainable Source for Futuristic Applications", RSC workshop on "Chemistry for tomorrow's World, 2-3 Dec 2015 at Hotel Maidens, New Delhi".
73. Poster presentation, Nagarjuna Amarnath, B. Lochab, "Renewable Phenols - Towards Biobased Polymers", RSC workshop on "Chemistry for tomorrow's World, 2-3 Dec 2015 at Hotel Maidens, New Delhi
74. Swapnil Shukla, Arnab Ghosh, Sagar Mitra, Bimlesh Lochab, Inverse vulcanization polymer composites via sustainable route for Li-S battery, International Conference on Advances of Energy Research, ICAER 2016, IIT Bombay.

DEPARTMENT OF PHYSICS

Dr. Dimitris G. Kaskaoutis

75. **D.G. Kaskaoutis**, H.D. Kambezidis, B.E. Psiloglou, 2015. Atmospheric circulation patterns and Sahara-dust transport pathways over Greece. **15th European Aerosol Conference, Milan**, Italy, 6-11 September, 2015. [*Poster presentation: This work is under the framework of the EU-funded KRIPIS-THESPIA project*]
76. **D.G. Kaskaoutis**, A. Rashki, E.E. Houssos, A. Bartzokas, P. Francois, M. Legrand, H.D. Kambezidis, 2016. The Caspian Sea - Hindu Kush Index (CasHKI): definition, long-term trends and meteorological influences over southwest Asia. [*Poster presentation at the First International Conference on Dust - Ahvaz, Iran, 2-4 March 2016*]
77. **D.G. Kaskaoutis**, E.E. Houssos, R. Gautam, R.P. Singh, A. Rashki, U.C. Dumka, 2016. Atmospheric circulation feedback on west Asian dust and Indian monsoon rainfall. [*Abstract accepted for poster presentation at EGU-2016 conference, Vienna 17-22 April, 2016*]

Dr. Samarendra Pratrap Singh

78. Shashi B. Srivastava, P. Sonar and Samarendra P. Singh, "Charge transport studies in a donor-acceptor type polymer PDPP-TNT:PCBM-C60 based bulk heterojunction devices", IWPSD 2015, IISc Bangalore.
79. **Samarendra P. Singh** and Shashi B. Srivastava, "Charge transport studies in bulk heterojunction based inverted organic photovoltaic devices processed in room ambient", Aligarh Nano 12-15 March 2016, AMU Aligarh.
80. Shashi B. Srivastava, P. Sonar and **Samarendra P. Singh**, "Probing the degradation mechanisms in donor-acceptor block copolymer based organic photovoltaic devices by impedance spectroscopy" is accepted for presentation under the theme Energy Materials in CEMAT 2016 scheduled in July 2016 at IISc Bangalore.

Dr. Priya Johari

81. Poster Presentation on " Prediction of Novel Thermodynamically Stable Li-Sn Alloys at Ambient and High Pressure" by R. Sen (student of P. Johari) at ICAER 2015, IIT Bombay on December 16, 2015.

Dr. Sajal Kumar Ghosh

82. **Poster title:** Interaction of Ionic Liquids with Model Bio-Membranes
One Day Symposium: Emerging trends in translational research in India,
9th April 2016, Shiv Nadar University, Dadri, U.P., India.

Dr. Santosh Kumar

83. Santosh Kumar, Renaud-Alexandre Pitaval, and Lu Wei. *Volume of Metric Balls in Real Grassmann Manifold with an Application to Frames* (Accepted). International Symposium on Information Theory and Its Applications 2016 (ISITA 2016), Monterey, California, USA.

Dr. Alope Kanjilal

84. DAE-CSR Workshop on utilization of Indus synchrotron beamlines, April 27-28, 2016, RRCAT, Indore (Oral).
85. 3rd International conference on Nanotechnology for Better Living, May 25-29, 2016, NIT Srinagar, India (Oral).
86. Material Research Society (MRS) Spring Meeting, Mar. 28-April 1, 2016, Phoenix, Arizona, USA (Poster).

DEPARTMENT OF LIFE SCIENCES

Dr. Soumya Pati

87. **Decoding the Long non-coding RNAs in Neural Development and Neurological Diseases:** R Ayana, Piu Banerjee, Shailja Singh, Mirjana Maletic-Savatic, **Soumya Pati**, accepted and presented at Singapore Stem Cell Society Symposium entitled as “**Opportunities and Challenges in Stem-cell based Medicine**” held on November 17th-18th at Biopolis, Singapore.

Dr. Sri Krishna Jayadev M

88. Binayak Kumar, Rahul Agarwal, Ashutosh Singh, Sri Krishna Jayadev M*. Development of multikinase inhibitor drugs resistance cell line models and expression profiling of JAK-STAT Pathway in resistant model. 6th International Translational Cancer Research Conference - Prevention and Treatment of Cancer: Hypes and Hopes. organised in Ahmedabad from 4-7 February 2016.

Dr. N. Sukumar and Dr. Sudepto Bhattacharya (Mathematics)

- 86. N. Sukumar**, Ganesh Prabhu, **Sudepto Bhattacharya**, Michael P.Krein, “Disintegration of the small world property with increasing diversity of chemical libraries”, **Gordon Research Conference on Computer Aided Drug Design**, Mount Snow, West Dover, VT, USA, July 19-24, 2015.

Dr. N. Sukumar, Dr. Subhabrata Sen and Dr. Sudepto Bhattacharya (Mathematics)

89. Ganesh Prabhu, **Subhabrata Sen, Sudepto Bhattacharya**, Michael P.Krein, **N. Sukumar**, "Quantifying the diversity of chemical libraries through network modeling" 250th **National Meeting and Exposition, American Chemical Society, Boston, MA** from August 16 - 20, 2015.

Dr. Ajit Kumar

90. **A Kumar** Numerical simulation of cricket ball swings using OpenFOAM **17th CFD Annual Symposium, CFD Division, Aeronautical Society of India, NAL, Bangalore**, Aug 11-12, 2015

Dr. Samit Bhattacharyya

91. 3rd IMSc Conference on "Modeling Infectious Diseases" held at the Institute of Mathematical Sciences, Chennai during Nov 29-Dec 1, 2015.
92. Invited speaker at the two-day lecture series "**Advances in Mathematical and Computational Biology (AMCB 2016)**" at IIT Ropar May 21-22, 2016.
Talk: Dynamics of Disease Interaction: Mechanisms and Models
93. Invited speaker at the DST-UK initiative meeting "**Mathematics and Statistics of Biological Populations**" at Chail (HP) during May 23-28, 2016.
94. **Talk: Behavioral response in disease epidemiology - Population Dynamics to Policy-Making**

Dr. Priyanka Grover

95. **Invited talk**, Symposium on Functional Analysis in 31st Annual Conference of Ramanujan Mathematical Society (June 18-21, 2016)

Dr. Suma Ghosh

96. Ghosh S., Heffernan J. M. - Long term potential of imperfect seasonal flu vaccine in presence of natural immunity. Proceedings 15th BIOMAT.
International Symposium on Mathematical and Computational Biology.
97. Long term potential of imperfect seasonal flu vaccine - at BIOMAT, 2015.
98. Changes in parasite traits, rather than intensity, affects the in-host dynamics of helminth Infection - at Chail.

CENTER FOR ENVIRONMENTAL SCIENCES AND ENGINEERING

Dr. Jyoti K. Sharma

99. Participated in National Conference on Agro-technology, Commerce and Sustainable Use of Medicinal and Aromatic Plants, 6-7 February 2016, National Agricultural Science Center (NASC) Complex Todapur, Pusa Complex, New Delhi-110012 and presented a paper entitled- *Need for utilization of Cannabis sativa L. growing as a weed for medicinal purposes* by Jyoti K. Sharma, Ganesh D. Bhatt and Amit K. Tripathi.

CENTER FOR INFORMATICS

Dr. Vijay Kumar

100. Valance Electron Concentration Dependant Structural Stability and Electronic Properties of $\text{Mo}_6\text{S}_9\text{-xI}_x$ ($x = 0 - 9$). Nanowires, J. Karthikeyan, V. Kumar and P. Murugan, in First Symposium on Advanced Functional Materials. (FUNMAT-2016) Theme: Energy Conversion and Storage, held in CECRI, Karaikudi 26-28 May 2016

INSTITUTE FOR INNOVATIONS & INVENTIONS WITH MATHEMATICS AND I.T. (IIIMIT)

Dr. L.M. Saha

101. **L. M. Saha** and M. K. Das (2016): Complexities in piecewise continuous dynamical systems. To be presented at the “**Workshop on Qualitative Studies of Growth, Diversification and Globalization of S & T**”, IIC, Delhi University South Campus, on 08/01/2016.
102. **L. M. Saha**, M. K. Das and Rashmi Bhardwaj (2016): Nonlinear dynamics, chaos and complexities. Presented at the “**International Conference on Applied Mathematics**”, Sharda University, Jan 29 - 31, 2016, during the occasion of Silver Jubilee of the **Indian Society of Industrial and Applied Mathematics (ISIAM)**, 29/01/31, 2016. The work will be published in the journal of **Industrial and Applied Mathematics (ISIAM)**.
103. M. K. Das **L. M. Saha** and Rashmi Bhardwaj (2016): Dynamical complexities of nonlinear physical and biological systems. Presented at “**International Conference on Applied Mathematics**” Sharda University, Jan 29 - 31, 2016. the occasion of Silver Jubilee of the **Indian Society of Industrial and Applied Mathematics (ISIAM)**,

29/01/31, 2016. The work will be published in the journal of **Industrial and Applied Mathematics (ISIAM)**.

104. **L. M. Saha** (2016): Mathematics and applications of mathematics in real life phenomena. Presented at the “**27th Annual Conference of Rajasthan Ganita Parishad**” held at Sobhasaria Engineering College, Sikar during 05-06 March 2016.

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

DEPARTMENT OF ECONOMICS

Dr. Suchismita Tarafdar

105. Talk: Generalized Envelope Theorems: Application to Dynamic Programming. Funded by Arizona State University, PhD Reunion Conference, at Arizona State University.
106. Talk: Generalized Envelope Theorems: Application to Dynamic Programming. 11th Annual Conference on Economic Growth and Development.

DEPARTMENT OF HISTORY

Dr. Ajay Dandekar

107. Ajay Dandekar, *Understanding the New Rural: A journey from crisis to survival*. In the workshop panel on Future of the Rural at South Asian Conference Wisconsin, Madison. October 23rd 2015.
108. Ajay Dandekar, *Contested Spaces and Resultant Conflicts: The Rural of Today*. At the Inaugural Conference of Ambedkar Centre for Law and Economics. November 3rd 2015.
109. Ajay Dandekar. *People and Resources, contested terrains and the republic*. In The Social Ecology of Natural Resources Exploitation. KTH, Royal Institute of Stockholm. 15th November 2015.

Dr. Jaya Menon

110. Paper entitled ‘The Courtyard House in the South Asian Bronze Age’, presented at a workshop, Haveli: The Way Forward, Archade Foundation, Gandhi Darshan, October 10-11, 2015.

Dr. Smriti Haricharan

111. **Haricharan, S.** and Lowson, A. Untangling the India Perceptions of heritage from 'Western' ideas: Case study from Chennai. World Archaeology Congress. August 28th-September 2nd 2016. Kyoto, Japan.
112. **Haricharan, S.** Abbas, R., Vahia, M. and Achyuttan, H. Burial patterns on the IA-EH landscape: Comparing Junapani, Maharashtra and Siruthavoor, Tamilnadu. World Archaeology Congress. August 28- September 2, 2016. Kyoto, Japan.
113. **Haricharan, S.** and Lowson, A. For the future generation: Perception of 'heritage' in Chennai, India and Exeter, UK. European Association of South Asian Archaeologists. July 4-July 8 2016. Cardiff, Wales.

Dr. Shrimoy Roy Chaudhury

114. "At the Intersections of Race Caste and Religion: A work of Dr. T A Wise" for the conference hosted by Duke University, Middlebury College and SNU, April 14-16, 2016.

DEPARTMENT OF ENGLISH

Dr. Vikram Kapur

115. 'The Representation of the World War I Soldier in Literature', a paper delivered at the *India and World War I: Across Generations* conference at the United Service Institution of India on November 6, 2015.
116. As part of the Drafting Committee presented the theme paper for the Global Education Meet organized by the Kerala State Higher Education Board in Kovalam on January 29-30, 2016.

Dr. Sambudha Sen

117. From Graphic Caricature to the Novel: Cruikshank, Dickens and the Language of Radicalism" in a National Conference Migratories: Bodies, Narratives, Objects" IIT Kanpur, March 29.
118. "Re-visioning the Colonial City: Calcutta, London and the Aesthetics of Hybridity" in Second International Conference on Second Cities in the Circuits of Empire: Calcutta

- / Glasgow: Second Cities in the Circuits of Empire: Calcutta / Glasgow and the Legacy of the Scottish Enlightenment. Feb. 8-9.
119. Chair: Prof Sambudha Sen: Prof Peter D McDonald, 'Jonah K and the University: Reading Inside and Outside the Whale'
120. 'Literary Activism' series, on 'De-professionalisation', hosted by the University of East Anglia Centre for the Creative and the Critical at Presidency University, and the India International Centre, New Delhi.

DEPARTMENT OF SOCIOLOGY

Dr. Nalin Mehta

121. 'Cleaning Up IPL and Indian Sport', panel discussion with Krish Srikanth, Arun Lal and Venky Mysore, CEO KKR, at 42nd **All India Management Association Convention (AIMA)**, 30 Sep. 2015.
122. 'Popular Culture and Democracy', invited paper at **Jamia Milia Islamia conference on Democracy in Indus: Challenges & Prospects**, 22 September 2015.
123. 'English August: The Literary Birth of the Indian in Bharat' with Upamanyu Chatterjee and Rahul Bose at **Times of India LitFest Delhi** launch, 4 July 2015.

Dr. Mekhala Krishnamurthy

124. 'The ABCD of Agricultural Marketing in Contemporary India: Changing Vocabularies of Intermediation in a Volatile World.' Paper present in panel on "New intermediaries and changing regimes of Agricultural Production in India: Merchants, Agents, Buyers and Village Leaders," Annual Conference on South Asia, Madison, Wisconsin, October 2015
125. "What Goes Into an Outlook? Notes on Commodity Prices in Indian Agri-Markets." Seminar at the Center for the Advanced Study of India (CASI), University of Pennsylvania, October 2015.
126. Krishnamurthy, Mekhala. "The Honest Weighbridge and Other Stories: Reform and Relationships in a Market Yard." Paper presented at National Workshop on "Agrarian Question in Contemporary Indian Politics", Jawaharlal Nehru University (JNU) February 18-19, 2016. (Paper commissioned for a publication in a book volume).
127. Krishnamurthy, Mekhala. "From a Village of Townsmen to a Town of Villagers: Notes on the Urban and Agrarian from a Mandi Town in Central India" paper presented at a National Workshop on Agrarian Change and Urbanisation, Azim Premji University, Bangalore, 28-30 June 2016

Dr. Pradeep Jeganathan

128. "The Dilemmas of Relatedness: India and Sri Lanka." Culture as a Factor in Regional Cooperation in South Asia, 9th South Asia Conference (Institute of Defense Studies and Analysis, Delhi). November, 2015
129. Jan., 2016. International Conference on regional political economy. Institute of New Economic Thinking, Azim Premji University & University of Massachusetts, at Amherst, at The Indian Institute for Human Settlements, Bengaluru. Invited Presentation: "Nation, Region, Conflict: Thinking Through the Sri Lankan Case."
130. March, 2016. University of Indiana India Gateway Center, Gurgaon. Passive Resistance: An Interdisciplinary Workshop. Invited Presentation: "Melancholia as Resistance?"
131. March, 2016. Indian Institute of Technology, Kanpur Department of Humanities and Social Sciences.
132. One day workshop on "'Migration: Bodies, Objects, Narratives.'" Invited Eminent Speaker: "Migration, Maps, Melancholia."

DEPARTMENT OF EDUCATION

Dr. Gitanjali Sen

133. Presented paper at the 11th Annual Conference on Economic Growth and Development in Indian Statistical Institute-Delhi on Dec 2015.
Program page: <http://www.isid.ac.in/~epu/acegd2015/program.html>
134. Presented paper at the 25th Annual Conference on Contemporary Issues in Development Economics, in Jadavpur University, Kolkata, on Dec 2015.
135. How much does bank account help the rural poor: An investigation with instrumental variable. EconWorld Conference (organized by World Economic Research Institute), in Barcelona, Spain, held in January 31st, 2016.

DEPARTMENT OF ART, DESIGN AND PERFORMING ARTS

Prof. Gitanjali Kolanad

136. Absent Lover/Absent Warrior, **International Federation of Theatre Research**, 7,8, 9 July 2015, Hyderabad
137. "Paradigms of Practice: The Artist in the Community" **ENGAGING INDIA AND CANADA Landmarks and Roadmaps for Global Educational Collaboration between Canada and India - Shastri Indo-Canadian Institute** May 28, India Habitat Centre

Dr. Aadya Kaktikar

138. *Disciplined creativity* in Contemporising the past: envisaging the future Refereed proceedings* of the 2014 World Dance Alliance Global Summit.

<http://ausdance.org.au/publications/details/contemporising-the-past-envisaging-the-future>

CENTRE FOR PUBLIC AFFAIRS AND CRITICAL THEORY

Dr. Arijit Das

139. Collective action in forest management: A study of selected villages of Uttarakhand and Himachal Pradesh" at Environmental Sustainability and Social Dynamics in Patiala.

SCHOOL OF MANAGEMENT & ENTREPRENEURSHIP

Dr. Mayank Dhaundiyal

140. Dhaundiyal, M and Coughlan, J (2015) Alliance Management Capability and Alliance Performance: Evidence from the Indian IT Industry, **Academy of Management (AoM), Vancouver, BC, Canada, August 2015.**

141. Dhaundiyal, M and Coughlan, J (2015) Alliance Management Capability and Commitment: The Role of Organisational Justice, **Bi-Annual International Conference on Business Market Management (BMM)**, London, UK, July 2015.

Dr. Jaideep Ghosh

142. Presented paper titled *Investigating Equilibrium Stability Conditions in Capital Investments of Board-interlocked Firms in India*, at *Ramanujan Fellowship Conclave*, December 22-23, 2015, at IIT Indore, organized by Science and Engineering Research Board (SERB), Department of Science & Technology (DST), Government of India.

143. Presented paper titled "An Investigation of Stability Structures of Capital Investments in an Interlock Network of Firms: A Dynamical Perspective" in session titled "Emerging International Economics" at the Academy of International Business (AIB) 2016 Annual Conference at New Orleans, Louisiana, USA, June 25 - 30, 2016.

Dr. Arvind Shatdal

144. Consideration of choices in groups and decision making, *Indian Academy of Management Conference*, December, 2015.
145. Individual: Bridge for learning between groups, *PAN-IIM World Management Conference*, December, 2015.

Dr. Kaushik Chaudhuri

146. Presented two working research papers at the 28th Annual conference of International Academy Business Disciplines (IABD) from 31st March to 2nd April, 2016 at Vegas, Nevada (USA); and are included in the Conference Proceedings edited by John R. Fisher, Utah Valley University.
147. "Understanding the State of Women Inmates in Correctional Centers of India: Welfare and Rehabilitation," (with Ghosh, R., Indira Gandhi National Open University, and Smatt, C., University of North Georgia) in the 'Ethical and Social Issues' track and session Chaired by Kellye Jones, Clark Atlanta University.
148. "Leadership and Its Linkages on the Faculty-Staff Commitment, Student Engagement, and Gender Stereotypes in the Institutions of Higher Education," (with R.A. Priyadarshini, Shiv Nadar University and Paul A. Fadil, University of North Florida), in 'Leadership' track Chaired by Robert H. Bennett, Georgia Southwestern State University and the Session Chaired by Eric Russell, Utah Valley University.
149. "Empirical Study of Stressors on Commitments of Non-managerial Employees in Japanese Organizations, co-authored by Sakikawa, Takashi (Niigata University, Japan) at the 29th Annual Conference of Association Japanese Business Studies (*AJBS, 2016*), with the annual conference of Academy of International Business (AIB), held at New Orleans, USA from 25th to 26th June, 2016.
150. "Understanding the State of Women Inmates in Correctional Centers of India: Welfare and Rehabilitation", coauthored by Ghosh (Chaudhuri) R., (IGNOU), & Cindi Smatt, (University of North Georgia) at the 28th International Academy Business Disciplines (*IABD, 2016*), at Vegas, Nevada, USA, from 31st March - 2nd April, 2016, in the Ethics and Social Issues Sustainability track and session, chaired by Prof. K. Jones, Clark Atlanta University and Prof. Gregory Robbins, Southern Connecticut State University.
151. "Leadership and its linkages on the faculty-staff commitment, student engagement and gender stereotypes in the institutes of higher education," co-authored by Priyadarshini, R. (Shiv Nadar University) and Fadil, P. (University of North Florida) at the 28th International Academy of Business Disciplines (*IABD, 2016*) at Vegas, Nevada, USA from 31st March - 2nd April, 2016 in the Leadership Track and session, chaired by Prof. by Robert H. Bennett, Georgia Southwestern State University.

Dr. Vishwanath

152. Strategic Allocation to Institutional Investors, Underpricing and the Aftermarket Performance of IPOs, Asian Finance Association 2016 Conference, June 26-28, Bangkok

Dr. Sudarshan Naidu

153. Presented a paper 'Building and Managing Long-term Buyer-Seller Relationships in Contract Farming' at the International Food and Agribusiness Management Association's (IFAMA) 26th Annual World Forum and Symposium, 19-23 June 2016, Aarhus, Denmark.
154. Presented a paper 'Analysis of the Model Rules of Contract Farming of Government of India' at the International Food and Agribusiness Management Association's (IFAMA) 26th Annual World Forum and Symposium, 19-23 June 2016, Aarhus, Denmark.

INVITED TALKS AND LECTURES

SCHOOL OF ENGINEERING

DEPARTMENT OF CIVIL ENGINEERING

Dr. Rahul Goel

1. Goel, R. (2016). Investigating safety-in-numbers for cyclists and modeling the health impacts of transport in Indian cities, Centre for Diet and Activity Research, MRC Epidemiology Unit, University of Cambridge, UK.

Dr. Prasad Avinash Pathak

2. Invited speaker for Indo-Taiwan joint workshop - "Digital Technologies for Societal Use" March 8-9, 2016 - presented preliminary research on transportation mode choices in Greater Noida

Dr. Dinesh mohan

3. Urban Transport - Future Directions. Smart Transport: India 2016 Expo, 11-13 May 2016, New Delhi.

Dr. Girish Agrawal

4. 20 June 2016: Presented a lecture titled: "**Introduction to SNU,**" at a planning workshop, CARE: Climate Adapting Research Engaging (CARE) Cities: South Delhi and Kochi 2050 and Beyond, held jointly by University of Gothenburg and IIT Delhi at the India International Center, New Delhi
5. 21 June 2016: Presented a lecture titled: "**Impact of Climate Change and Extreme Weather Events on Transportation Infrastructure: A Geotechnical Perspective,**" at a planning workshop, CARE: Climate Adapting Research Engaging (CARE) Cities: South Delhi and Kochi 2050 and Beyond, held jointly by University of Gothenburg and IIT Delhi at the India International Center, New Delhi
6. 27 June 2016: Presented a lecture titled: "**Pedestrian Safety Policies and Corresponding Enabling Legislation,**" at the National Workshop on Road Safety:

Infrastructure, Operations, Vehicles, Policies, and Legislation in the Context of the Smart Cities Mission, held at Bhagalpur College of Engineering on June 26 & 27, 2016

DEPARTMENT OF ELECTRICAL ENGINEERING

Prof. P.C Jain

7. Invited talk "Video coding and Set-top box" in Workshop on 'Smart systems and video compression' at Manipal University, Jaipur, 21 July, 2015.
8. "Next generation wide area cellular network-4G and beyond (5G), National Conf. on Advances in Microelectronics, Instrumentation and Communication (MICOM-2015), 20-21 Nov., 2015, BITS, Pilani.

DEPARTMENT OF MECHANICAL ENGINEERING

Dr. Arvind K Rajput

9. Session Chair and Invited Talk "Bio-inspiration in Tribology Research" 5th IEEE National Conference on Emerging Trends in Engineering and Technology (ETET-2016) at SBIT Sonapat, Feb. 5-6, 2016.
10. Invited Talk in a conference entitled "National Conference on Recent Technological Developments in Mechanical Engineering (NCRTDME-2016)" at DIT University Dehradun, Jan. 22-23, 2016.

SCHOOL OF NATURAL SCIENCES

Dr. Rupamanjari Ghosh

11. "Let there be light!", 'Vanguard Lecture', IIT Jodhpur, 19 August 2015.
12. "Manipulating atoms by light: Induced transparency, slow light/ light storage/ backward light...", **T K Rai Dastidar Memorial (Endowment) Lecture**, Indian Association for the Cultivation of Science, Jadavpur, Kolkata, 16 November 2015.
13. Invited talk on the occasion of IMPACT: "Celebration of Science", Vasant Valley School, New Delhi, 3 December 2015
14. **Panelist** in the inaugural edition of 'The Dialogue': "*Is this India's Century?*", Shiv Nadar School, Gurgaon, 23 January 2016.
15. Guest Speaker, School Principals' Summit, Kolkata, 10 February & Bangalore, 18 February 2016.

16. Invited Speaker, Young Investigators' Meeting, IndiaBioScience, Manesar, 28 February 2016.
17. Invited lecture, Interdisciplinary Course in *Contemporary Studies*, UGC-Human Resource Development Centre, Jawaharlal Nehru University, 1 March 2016.
18. Invited Talk, March Meeting on "*Quantum Optics & Optics of Quantum Systems*", SPS, JNU, 18 March 2016; Session Chair, 19 March 2016.

DEPARTMENT OF CHEMISTRY

Dr. Gouriprasanna Roy

19. Invited talk on KALEIDOSCOPE 2015, International Centre Goa, GOA, July 2-5, 2015.
20. **Delivered an invited lecture** in the conference of the "International Symposium on Clusters, Cluster-Assemblies and Nanomaterials (ISCAN)" Thiruvananthapuram, Kerala, India March 9-March 12, 2016".
21. **Delivered an invited lecture** in the conference of the "6th International Conference on Metals in Genetics, Chemical Biology and Therapeutics (ICMG-2016)", IISc, Bangalore, February 17-20, 2016.

Dr. Subhabrata Sen

22. Delivered an Oral Presentation (**invited lecture**) in MedChem 2015, Hyderabad, India, September 10th-11th, 2015, organized by SELECTBIO, an international conference on biologically active heterocycles (refer attachment). Diverse Synthesis of Natural Product Inspired Fused and Spiro-Heterocyclic scaffolds via ring distortion and construction strategy
23. Invited lecture in RSC Green Chemistry Workshop on Chemistry for Tomorrow, organized by RSC Green Chemistry chapter, DU, Manav Rachna University and Shiv Nadar University.
24. Multicomponent reactions in the synthesis of biologically interesting heterocycles: Invited lecture in Faculty of Medicinal Technology, Mahidol University, Nakhon Pathom, Thailand, 29th January, 2016

Dr. Parthapratim Munshi

25. **Invited lecture** at Prof. R.C. Paul national symposium at the Chemistry Department, Panjab University, Chandigarh, 23rd January 2016
26. Visited RRCAT synchrotron facility at Indore for conducting experiment on protein crystals. Invited lecture at the National Seminar on Crystallography 2016, Pune 10-13 July.

Dr. Bimlesh Lochab

27. Invited talk, Renewable phenols: Sustainable feedstock for polymers, Gautam Budha University, G. Noida, March 2016

DEPARTMENT OF PHYSICS

Dr. Alope Kanjilal

28. **Invited seminar** on "*Ion beam engineered self-organized nano-channels in TiO₂ layers for resistive switching application*" at Low Energy Ion Beam Facility Workshop at Inter University Accelerator Centre (IUAC) on 3rd November, 2015.
29. **Invited seminar** on "*Ion beam produced TiO_x nanochannels for developing resistive switching memory devices*" at International Conference on Nanostructuring by Ion Beams (ICNIB-2015) in Agra on 24 November 2015.

Dr. Priya Johari

30. Talk given on "Computationally Predicted Materials for Energy Generation and Storage Devices" by P. Johari at ICAER 2015, IIT Bombay on December 17, 2015.
31. "A meticulous study of promising anode materials for Li-ion batteries", Priya Johari. Invited talk at Indo-US Workshop on Recent Advances in Multiscale, Multiphysics Analysis of Energy Conversion in Li-ion Batteries, held at IIT Bombay during June 17-19, 2016.

Dr. Samarendra P. Singh

32. **Delivered an invited talk titled** "Charge transport studies in bulk heterojunction based inverted organic photovoltaic devices processed in room ambient" at Aligarh Nano 2016 conference at Aligarh Muslim University (AMU), Aligarh on 13th March 2016.

Dr. Santosh Kumar

33. Invited speaker at the "4th International Conference on Complex Dynamical Systems & Applications", NIT Durgapur, India (February 2016)

DEPARTMENT OF LIFE SCIENCES

Dr. Richa Priyadarshini

34. Delivered talk "Future Careers in Biological Sciences" at Sulochanadevi Singhania School, Mumbai and at Shiv Nadar University

Dr. Koyeli Mapa

35. **Delivered an invited lecture titled** "Study of chaperone-substrate interactions using single molecule FRET" in the international conference on "Recent Advances in Molecular Spectroscopy: Fundamentals and Applications in Materials and Biology (RAMS-2016)" held at School of Chemistry, University of Hyderabad, Hyderabad, India, during March 2-4, 2016.

DEPARTMENT OF MATHEMATICS

Dr. Neha Gupta

36. Delivered a talk on "Frobenius algebras and TQFT's in dimension-2" at IISER-Pune on June-14, 2016, followed by a visit to the institute for 2 weeks under Vivek Mohan Mallick at IISER Pune.

Dr. Suma Ghosh

37. Changes in parasite traits, rather than intensity, affects the in-host dynamics of helminth Infection - at Chail.

Dr. Samit Bhattacharya

38. Invited lecture in the Department of Computational Biology at IIIT Delhi
Talk: *Vaccination, Herd-immunity and Choices - Population Dynamics to Policy-Making*

INSTITUTE FOR INNOVATIONS & INVENTIONS WITH MATHEMATICS AND I.T. (IIIMIT)

Dr. Vijay Kumar

39. Gave an Invited Talk, "Ab initio design of perovskites and layered materials for photovoltaic applications" in First Symposium on Advanced Functional Materials (FUNMAT-2016) Theme: Energy Conversion and Storage, held in CECRI, Karaikudi 26-28 May 2016

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

DEPARTMENT OF ECONOMICS

Dr. Partha Chatterjee

40. Delivered a talk on Reforms in India to a South African delegation from Wits Business School

Dr. Suchismita Tarafdar

41. Talk: Fiscal Policy in an Emerging Market Economy Business Cycle Model, Department of Economics, University of Connecticut.
42. Delhi School of economics. Talk titled: Generalized Envelope Theorems: Application to Dynamic Programming. 25/2/16.
43. Ambedkar University. Titled: Generalized Envelope Theorems: Application to Dynamic Programming. 24/2/16.
44. Invited talk at *Centre for International Trade & Development Jawaharlal Nehru University (JNU)*

DEPARTMENT OF HISTORY

Dr. Jaya Menon

45. Jaya Menon, "From the House to the Community in the Harappan Bronze Age". Invited talk at the Nehru Memorial Museum and Library, Weekly Seminar Series, New Delhi, September 15th 2015.
46. Public lecture on 'Dealing with Garbage: The Practice of Archaeology' delivered at Dwarka Baat Cheet, November 22, 2015, at the Maxfort School, Sector 7, Dwarka, organized by the Dwarka Collective.

47. Lecture on 'Issues in the Archaeology of Gender', for 1st Refresher Course for 2016, at UGC-Human Resource Development Centre, Jawaharlal Nehru University, January 14th 2016.

Dr. Ajay Dandekar

48. Ajay Dandekar: Reading Pastoralism in Early Medieval Deccan: Hints and Issues. Invited talk at the Nehru Memorial Museum and Library, Weekly Seminar Series. New Delhi. 28th of July. 2015
49. Ajay Dandekar. Linking Higher Education to Society. National Consultative Meeting at Indian Institute of Advanced Studies. Simla. 27th and 28th of August. 2015
50. Ajay Dandekar, Perspectives on Indian Society. National Institute of Design. Ahmedabad. 1st 2nd and 4th February.
51. Ajay Dandekar, The Denotified Tribes of India: Issues and Concerns. Bharat Rural Livelihood Foundation. February 19th 2016.

Dr. Shrimoy Roy Chaudhury

52. Shrimoy Roy Chaudhury, "Disciplining Substance: Monitoring Markets in 19th century Bengal" at the University of Dundee, UK.

Dr. Sanchari Dutta

53. Sanchari Dutta, 'Pathologies of Confinement: Prisons, Health and Discipline in British India,' Nehru Memorial Museum and Library, Weekly seminar series, New Delhi July 2016.

Dr. Sudeshna Guha

54. 'Looking at Orientalism Through 'Nineveh' in Bombay, Conference on Orientalism and its Institutions, Centre for Research in the Arts, Social Sciences and Humanities. University of Cambridge. 18 February 2016.
55. 'Looking into Indian Pasts: Archaeologies, Histories and Ways of Seeing', Centre of South Asian Studies (Seminar Series for Lent Term). University of Cambridge. 2 March 2016

DEPARTMENT OF ENGLISH

Dr. Sambudha Sen

56. Theory of the Novel, Kirori Mal College Delhi University.
57. "Dickens and the Art of Caricature" as part of panel for interdisciplinary studies Ashoka University.
58. Lecture on the topic: Myth, Madness and the Grotesque in Lady Shree Ram College, Litmus March 13.

Dr. Anannya Das Gupta

59. St. Stephen's College, September 8th, 2015 "Forms of Love: The Sonnet and Ghazal in English"
60. Invited poetry reading at Lady Shri Ram College on September 29th, 2015

DEPARTMENT OF SOCIOLOGY

Dr. Deepak Mehta

61. September 13: 'Naming the Deity: Rama and Ayodhya'. South Asia University faculty seminar

Dr. Nalin Mehta

62. 'The Political Economy of the Indian Media', Invited Lecture at Indian Institute of Mass Communication, 28 Sep. 2015
63. 'Perception and Reality', Keynote Speech at 12th 'Laissez Faire- a Business Studies, Economics and Psychology Exposition', Vasant Valley School, 27 August, 2015 (exposition with students and teachers from over a dozen Delhi schools)
64. 'Media, perception and reality', Keynote talk at Editors Conference, The Scindia School, Gwalior, 5 September 2015. (with students and teachers from over a dozen schools from across India).
65. 'On Patel reservation demand in Gujarat', BBC Radio 4, 'The World Tonight' London, 28 August 2015
66. 'OROP and India's protectors', NewsX, Nation@9, 17 August 2015
67. 'Palace Intrigue and Lalit Modi Scandal', News X, Nation@9, 1 July 2015
68. 'Media, Myth and Reality', Invited Public Lecture, Pathways School, NOIDA, 10 Oct. 2015.
69. Commentary on Bihar elections, News X, 1-5 November 2015.

Dr. Samuel Berthet

70. Panel Discussion: *Tagore, Shades of Difference* with Radha Chakravarty and Sharmila Tagore, 4th December, organized by Social Science Press and the Institut Français in New Delhi.

DEPARTMENT OF ART, DESIGN AND PERFORMING ARTS

Dr. Gitanjali Kolanad

71. "Comparative Aesthetics in a Contemporary Frame" - National Seminar Indian Institute of Advanced Studies, Shimla, November 17-18, 2015.
72. Speaker at the Colloquium - 'Why Dance?' Antara Collective, Bangalore, Jan 2, 2016
73. Workshop conducted at National Taiwan Normal University, Taipei: Mar 21st - 'Kalaripayat as Dancer-training and Choreographic Tool' for Undergraduate Class, Dance Majors Mar 23rd - 'Being Present: the Performer is Always Ready" for MA students of the Performing Arts

Prof. Maya Krishna Rao

74. Panel Discussion after screening of writer, Uday Prakash Film, Dec 16, 2015

Dr. Atul Bhalla

75. **Artist Talk:** Ecoaesthetics - Water in an Expanded Field: A talk by New Delhi-based contemporary artist, Atul Bhalla followed by a conversation on the politics and aesthetics of water. Institute for South Asia Studies, Department of History of Art LA. USA. 3rd March 2016. <http://southasia.berkeley.edu/atul-bhalla>
76. **Artist Talk:** *You always step into the same river " UC Merced Art Gallery* Dept of Art Anthropology. University of California, Merced. LA. USA - 8th March 2016
77. **CISA Artist Talk:** Dept of Art History. UCLA. LA. USA. 14th March 2016 <http://www.international.ucla.edu/cisa/event/11761>
78. Selected to exhibit at one of the most prestigious Photo Biennale in US at Houston. This biennale opens on 11th March 2016 and the Biennale is hosting Atul Bhalla for the period of a week. **Photofest Biennial Houston, March 12-April 24 2016** http://2016biennial.fotofest.org/changing-circumstances/bhalla.aspx#.Vs_sv0vk2Im

Ms Vasudha Thozhur

79. Invited to conduct 4 - day workshop at Dept. of Painting, Faculty of Fine Art, MSU, Baroda.

80. Paper + Presentation at seminar 'Politics of Space and the City' organized by FICA, New Delhi, April 4th/5th.

CENTRE FOR PUBLIC AFFAIRS AND CRITICAL THEORY

Mr. Anubroto Kumar Roy

81. Lecture on "Contextualising the Smart City in the Trajectory of Urban Transformation" presented at conference on People's Participation in Smart Cities, Vigyan Foundation, Allahabad, Dec 22---23 Chaired
82. Prof Dinesh Mohan's lecture on "Air Pollution in Delhi" in the SNU series, IIC, Delhi, Dec 21.
83. Lecture on "Water Resilient Cities" presented at South Asia Water Dialogue, Observer Research Foundation, Kolkata, Dec 17---18.
84. Lecture on "Judiciary and the Environment" presented at Conference on Judicial Reforms, Campaign for Judicial Accountability, Delhi, Nov 21
85. Lecture on "Smart Cities and Amravati" presented at consultation on Smart Cities, Association for Rural and Tribal Development, Vijaywada, Nov 2.
86. Lecture on "Smart cities, urban crises, and alternative ecological paradigms" presented at Workshop on Development Alternatives, Sambhavna, Palampur, Oct 22.

Ms. Shailja Chandra

87. Invited by **National Defence College (NDC)** (February 9th) to give a talk (4th year running) on **Gender Empowerment** within the overall ambit of the Socio-Political Study capsule on 'Strategies & Structures for National Security.'
88. Invited by **Speaker Lok Sabha Smt. Sumitra Mahajan** to address over 300 women parliamentarians and state legislators from different states on the subject of **Good Governance & Legislation** at a 2 day Conference.
89. Spoke at a Conference organised for heads of Legal Affairs and HR from different Corporations on **Sexual Harassment at the Workplace on 14th March 2016** at the Claridge's Hotel.
90. Invited by President of CPR on March 17th for a round-table interaction with Professor Christopher Eisgruber the Dean of Princeton University and Professor Cecilia Rouse Dean of the Woodrow Wilson School for Public and International Affairs along with half a dozen selected policy makers.

Anubroto Kumar Sen

91. January 10: Presentation on "Concept of Smart City", at Citizen's Forum, Nagpur.

92. January 17: Preparatory visit to Tigri slum along with SNU faculty to explore possibilities of Slum Improvement.
93. January 19-22: Presentation on "Radical Planning", at Conference on Rethinking Cities, Tata Institute of Social Sciences, Mumbai.
94. January 29-30: Presentation on "Urban Sustainability", at Conference on Pathways to Sustainable Urbanisation, Jawaharlal Nehru University, Delhi.
95. February 03: Presentation on "Smart City and Housing for the Poor", at National Conference of Hawkers Federation, Delhi.
96. February 11: Presentation on "How Air Pollution Standards are Set", at launch of Care4Air application, Kashi Vidyapeeth, Varanasi.
97. February 19: Workshop on "Tigri Slum Improvement", with SNU Faculty, at C-PACT, Delhi.
98. February 19: Seminar on Delhi's Air Pollution: Causes and Remedies", organised at C-PACT, Delhi.
99. February 23-25: Presentation on "The Future of Industry", at India Future Dialogue, Centre for the Study of Developing Societies, Delhi.
100. March 07: Presentation on "Changing contours of peace, security, development and governance discourse with attention to its gender dimensions" at Seminar on Multi Stakeholder Consultation on Gender Peace & Security, India International Centre, Delhi.
101. March 11: Presentation on "Laws for Women's Security", at workshop on Women's Empowerment, Gandhi Peace Foundation, Delhi.
102. March 15: "Will the 'Infection' in the Body Politic Mar the Nation?" published in The Wire, Delhi.
103. March 16: Review of "In the Public Interest: Eviction, Citizenship, and Inequality in Contemporary Delhi" by Gautam Bhan, at book release, Max Mueller Bhawan, Delhi.
104. March 19: Exposure trip along Yamuna river, pollution and its causes, Water Aid, Delhi
105. March 19: Community consultation on Slum Improvement, Janta Jeevan Camp, Tigri.
106. March 22: Review at "Dissemination Workshop on Mathadi Study", Tata Institute of Social Studies, Mumbai.
107. March 28: Presentation on "Housing Policies in Delhi" at workshop on Housing and Livelihoods at Gandhi Peace Foundation, Delhi.
108. March 29: Presentation on "PPPs in Urban Development" at National Seminar on Private Sector Participation in Public Services, India International Centre, Delhi.

Sudipto Mundle

109. Delivered lecture on "Subnational Governance as Service Delivery" at In-service training programme on Public Finance and Budgeting for IAS Officers on 3 February, 2016 organised by National Institute of Public Finance and Policy, New Delhi.

110. Delivered lecture on “Service Delivery Performance of Indian States” at Training Programme on Public finance for the officer trainees of the IA&AS on 8 February, 2016 organised by National Institute of Public Finance and Policy, New Delhi.
111. Delivered lecture on “High Growth and the Price of Food” at Training Programme on Public finance for the officer trainees of the IA&AS on 17 February, 2016 organised by National Institute of Public Finance and Policy, New Delhi.
112. **January 20-21, 2016 - Ministry of Home Affairs, Inter-State Council, Vigyan Bhawan, New Delhi** - Co-chair and speaker on “Fiscal Federalism in India - 14th Finance Commission Award: 2015-16 to 2019-20” at *International Conference on Cooperative Federalism: National Perspectives and International Experience*.
113. **January 27, 2016 - Ministry of Finance, Department of Economic Affairs, New Delhi** - Seminar on *Service Delivery Performance of Indian States 2000-2001 & 2011-12*
114. **February 12, 2016 - Results for Development, Washington DC, USA at India International Centre, New Delhi** - Opening Remarks in Conference on *Tracking Nutrition Financing*.
115. **March 11, 2016 - Centre for Budget and Governance Accountability (CBGA), New Delhi** - Speaker at the Consultation on “Public Investment in Nutrition: Challenges and Opportunities in the New Fiscal Architecture in India”.
116. **March 26-27, 2016 - Asian Development Research Institute, Patna** - Chair for Second 26th Anniversary Lecture, *International Conference on Development and Growth : Experience and Theories*.
117. **March 30-31, 2016 - World Bank at Mumbai** - Speaker on Promoting Ethics in Business: A Self Regulating Business Community Institution (BCI) at *International Conference on Corruption and Corporate Governance*.

SCHOOL OF MANAGEMENT AND ENTREPRENEURSHIP

Dr. Jaideep Ghosh

118. *Social Network Analysis*, presented by **Jaideep Ghosh** at the *Faculty of Business and Accountancy*, University of Malaya, Kuala Lumpur, Malaysia in July, 2015

Dr. Vishwanath

119. MDI (Management Development Institute), Gurgaon, June 16, 2016

CREATIVE WORKS AND PERFORMANCES

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

DEPARTMENT OF ENGLISH

Dr. Vikram Kapur

1. 'First Kiss,' a short story included in an anthology of short stories being published by Amaryllis Publishing House, Delhi, India, in February 2016.
2. 'A Refugee Soul,' a personal essay published in Litro Magazine, London, UK, in December 2015, <http://www.litro.co.uk/2015/12/a-refugee-soul/>
3. 'Arranged Love,' an essay published in Litro, a leading literary magazine based in London, August 2015, <http://www.litro.co.uk/2015/08/arranged-love/>
4. 'Love Departed,' a personal essay published in Litro, a well-known London literary magazine in February 2016.

Dr. Akhil Katyal

5. Katyal, Akhil, 'Maruti Swift' and '[Varun is typing]', in Abhay K. (ed.) *The Enchanting Verses Literary Review*, Issue XXII, Nov 2015, ISSN: 0974-3057.
6. Katyal, Akhil, 'When Farida Khanum Sings Now', in Gorick Brahmachari (ed.) *The Sunflower Collective*, Dec 2015.

Subhashim Goswami

7. Director of the Play - **Dinner is at 8**. A play for toddlers, to premier at the AHA international Theatre Festival for Children, Bengaluru, July 2016.

Dr. Sambudha Sen

8. Review of Joan Sales's *Uncertain Glory* in *The Wire*. Reprinted in the Permanent Black Blogspot.

DEPARTMENT OF ART, DESIGN AND PERFORMING ARTS

Mr. Tushar Joag

9. *Constructions*' curated by Roobina Karode, Kiran Nadar Museum of Arts, Delhi
10. The Eye and The Mind: New Interventions in Indian Art, Minsheng Art Museum, Beijing, China.

Prof Maya Rao

11. International federation for theatre research conference, invited to perform 'RAVANAMA ' on closing day, Hyderabad, Jul. 10, 2015
12. Tapra, theatre conference, invited to perform 'WALK' and present paper, Worcester, UK, sept. 9, 2015
13. Walk-Performance and Workshop/Talk
 - a) Jesus and Mary College, Oct 9, 2015
 - b) Women in Black, Vimochana, Bangalore, Nov 16, 2015
 - c) Central Institute of Education, Delhi University, Dec. 8, 2015
14. Quality Street, Performance Step-By-Step School, Oct 18, 2015
15. Tightrope-City as Circus, Arts Festival-Impromptu Performance Event, Bangalore, Nov 2, 2015

Prof. Sumantra Sen

16. Solo show "Hahakar", part of international conference on remembering Indian Soldiers in WW1. (This show is going to Art gallery of Birmingham City University on May 25th, 2016.)
17. 10 Mints performance film created through Botho dance workshop as performer and singer.

Dr. Atul Bhalla

18. Adrift (On Dvaipayana), Video Installation. Solo, Light-Box gallery, Harvard Art Museums. Harvard. MA. USA. March 31 –April 16 2016.
19. PhotoFest Biennale –Houston. Curated by Steven Evans March-April 2016. <http://2016biennial.fotofest.org/changing-circumstances/bhalla.aspx#.VvtYmzZ94y4>

HONOURS AND AWARDS

SCHOOL OF ENGINEERING

DEPARTMENT OF MECHANICAL ENGINEERING

Dr. Himanshu Pathak

1. Marquis Who's Who in the World 2016

Dr. Dipak Maity

2. **Young Scientist Research Award** (Nanomaterials), VIFRA 2015, India (Dec 2015).

Mr. Nishant Mishra

3. Was given the "Best Faculty Advisor" award in Nirman GoKart Championship - a National Level Inter College/University event, April 11-12, Pune. The news was covered extensively in the local media. 45 different teams from across the country qualified for the main event.

SCHOOL OF NATURAL SCIENCES

DEPARTMENT OF CHEMISTRY

Dr. Gouriprasanna Roy and Mainak Banerjee

4. Mainak Banerjee again received **Best Poster** award for his poster at the "10th Mid-Year Chemical Research Society of India (CRSI) Symposium in Chemistry", July 23-25, 2015, at NIT Tiruchirappalli, Tiruchirappalli, TN, India
5. Our recent work highlighted in several newspapers such as "**Asian Age**", "**The Economics Times**", "**DNA, I am in DNA New Delhi**", "**Careerlinks**" and "**India Education Diary.com**"
6. Mainak Banerjee received **Best Poster** award for his poster at the *Modern Trend in Inorganic Chemistry (MTIC-XVI)*, December 3-5, 2015, Jadavpur University, Kolkata India.

Dr. Parthapratim Munshi

7. Member of the Programme Committee of The 44th National Seminar on Crystallography (NSC44) is being organized by the Indian Crystallographic Association (ICA) in Pune during July 10-13, 2016.
8. Bursary award (covering registration fees and accommodation) for Mr. Kunal Kumar Jha and Mr. Suman Kumar Mandal to participate in the National Seminar on Crystallography 2016, Pune 10 - 13th July 2016.

DEPARTMENT OF PHYSICS

Dr. Santosh Kumar

9. My recent article was selected as IOP Publishers's pick and interview was published. Article: Exact evaluations of some Meijer G-functions and probability of all eigenvalues real for product of two Gaussian matrices. S. Kumar, J. Phys. A, **48**, 445206 (2015).

CENTER FOR ENVIRONMENTAL SCIENCES AND ENGINEERING

Dr. Ganesh D Bhatt

10. Dr. Ganesh D Bhatt received a prestigious SK Seth Award for a Research paper entitled - "Plant Richness Modelling in South Gujarat Using Remote Sensing and Geographic Information System from *The Indian Forester*, Dehradun.

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

DEPARTMENT OF HISTORY

Dr. Meera Visvanathan

11. Vijay Kumar Thakur Memorial Prize (for the best paper submitted in Section 1 - Ancient India), Indian History Congress, 75th session. Awarded at the 76th session, Malda, December 2015.

DEPARTMENT OF ENGLISH

Dr. Sambudha Sen

12. My book *London, Radical Culture and the Making of the Dickensian Aesthetic* was reviewed favorably in *Victorian Studies* (University of Illinois Press). *Victorian Studies* is among the most prestigious journals in the field of nineteenth century British culture. See *Victorian Studies*, Vol. 58 NO. 1, Autumn 2015.
13. Provost Appointed Visiting Fellow, Columbia University, May 22 - July.

DEPARTMENT OF ART, DESIGN AND PERFORMING ARTS

Prof. Gitanjali Kolanad

14. Singapore International Creative Writing Residency.

PROFESSIONAL AND PUBLIC ACTIVITIES

SCHOOL OF ENGINEERING

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Dr. Divya Lohani

1. Reviewer: IEEE ANTS 2015, IEEE NSC 2015, *Wireless and Personal Communication* (Springer).

Dr. Debopam Acharya

2. Reviewer: IEEE ANTS Conference 2015, IEEE NSC Conference 2015
3. Presented Paper at the 17th IEEE International Conference for Mobile Data Management (IEEE MDM 2016), Porto, Portugal, June 14-16, 2016.
4. Publicity Chair, Program Committee Member, IEEE MDM 2016.

5. Reviewer: IEEE ANTS Conference 2016.

Dr. Shashi Prabh

6. Presented own paper and attended the 53rd Annual Allerton Conference on Communication, Control and Computing, Urbana, IL, USA (Sept 29-Oct 2, 2015)
7. Technical Program Committee Member, 4th IEEE International Conference on Cloud Networking (IEEE CloudNet 2015), Niagara Falls, Canada
8. Reviewer for Computer Networks Journal, Journal of System Architecture, ACM Transactions on Sensor Networks, CloudNet 2015 and NSC 2015.

Dr. Anirban Mondal

9. Demonstrations Co-chair for MDM (Mobile Data Management) Conference 2016
10. ACM India Eminent Speaker
11. Adjunct faculty at IIT Delhi
12. Affiliate faculty at IIT Hyderabad
13. The Demo Track at the 17th IEEE International Conference on Mobile Data Management (MDM), 2016. Chaired both the Demo Sessions at MDM 2016 and also served as Session Chair for a Research Session at the MDM 2016 conference.
14. Participated in 17th IEEE International Conference on Mobile Data Management (MDM), Porto, Portugal, 2016.
15. Member of ACM India Eminent Speaker.
16. Journal Reviewer for, ACM Transactions on Spatial Algorithms and Systems, IEEE Transactions on Knowledge and Data Engineering, International Journal of Computational Science and Engineering, Future Generation Computer Systems (Elsevier journal).
17. Program Committee Member at, 18th International Conference on Big Data Analytics and Knowledge Discovery - DaWaK 2016 ; 17th IEEE International Conference on Mobile Data Management - MDM 2016; IEEE International Conference on Cloud and Big Data Computing - CBDCOM 2016.

DEPARTMENT OF CIVIL ENGINEERING

Dr. Prasad Avinash Pathak

18. Invited reviewer WCTR conference 2016 - evaluated a conference paper for review track regarding transportation and GIS.
19. On the organizing committee of SNU - KTH workshop

20. Participated in "Planning workshop on - Climate Adapting Research Engaging Cities: South Delhi and Kochi 2050 and Beyond". Organized by TRIPP, IIT Delhi. 20-22 June 2016
21. Participated in EQUAL workshop organized at University Hyderabad for course evaluation. 2 May 2016.

Dr. Dinesh Mohan

22. Participated in ACET Seminar 'Pedestrian Safe Public Transport Systems: South Africa/India joint research collaboration, Cape Town, South Africa, 18-21 May 2016.
23. Membership of International Journal of Epidemiology (Associate Editor); Injury Control and Safety Promotion, Editorial Board, IATSS Research; Editorial Board, Board of International Research Council on Biomechanics of Impacts; WHO Expert Advisory Panel on Injury & Violence Prevention and Control Fellow of International Association of Traffic and Safety Sciences (IATSS), Japan Director, Mawana Sugars Ltd.

Dr. Bikash Parida

24. Refereeing for Journals, SpringerPlus, Current Science, Remote Sensing and Arabian J. of Geosciences.

Dr. Sumedha Moharana

25. Participated for IstructE technological review meeting for Geopolymers.
26. Invited to attend for IGNOU study center to producing audio/video catalog of civil courses and virtual classes.
27. Reviewed following journal paper, "Damage Monitoring of Dry and Saturated Rocks Using Piezo Transducers". Journal name: Journal of Testing and Evaluation.
28. Reviewed, "Evaluation of concrete structure for corrosion attack", Journal name: Current Science.

Dr. Girish Agrawal

29. Organized: Urban Research Directions for the Future - a workshop planned at SNU for mid-August to develop a roadmap for research on *Transport and Public Health, Air Quality, Ground Water and Soil Contamination, Electricity Access, Urban Waste Management, Urban Access and Safety, Urban Transport including*

Freight, Urban Heat Island, Law and Policy, and Big data/ Mobile data/ Visualization.

30. Participated: VREF workshop in Cape Town, IIC Climate change workshop, Bhagalpur workshop.
31. Refereed papers for multiple, international professional journals.

DEPARTMENT OF CHEMICAL ENGINEERING

Dr. Dhiraj Garg

32. Participation in **International** Conference - Pacificchem 2015, Honolulu, Hawaii, USA from 13th - 20th Dec 2015 for **Oral** Presentation titled - ***Analytical solution of free radical polymerization: Application to the numerical modeling and simulation of polymerization reactions in coiled flow inverters.***
33. Participation in **Quality Improvement Program (QIP)** on Computational Fluid Dynamics (CFD) organized by QIP center, IIT Roorkee from 22nd - 26th Feb'16
34. **Member** of American Chemical Society (**ACS**) No. 30819652
35. **One** article reviewed in Macromolecular Reaction Engineering

Dr. Karnail Singh

36. SESSION CHAIR: Poster Session: Process Intensification, Conference: Indian Chemical Engineering Congress - Chemcon 2015, 29-Dec-2015, IIT Guwahati

DEPARTMENT OF ELECTRICAL ENGINEERING

Prof. P.C Jain

37. Reviewer: NSC, 2015 to be held at SNU in Dec.,2015
 38. Reviewed the paper titled "Traffic management of LTE-LPWA Networks", 2016 Intern. Conf. on Advances in Computing, Communication, and Information (ICACCI-2016) to be held at LNMIT, Jaipur, Sept, 2016.
- Session Chaired for following Conferences:
39. National Conf. on Advances in Microelectronics, Instrumentation and Communication (MICOM-2015, 20-21 Nov., 2015, BITS, Pilani
 40. 2. National Systems Conference (NSC-2015), 14-16 Dec., 2015 at SNU, G.Noida

Dr. Madhur Deo Upadhyay

41. Member in Technical Program Committee of IEEE International Conference on Communication Control & Intelligence System 2015, Mathura, Nov 07-08, 2015. (<http://www.gla.ac.in/ccis2015/memberlist.htm>)
42. Member in Technical Program Committee of 39th National Systems Conference 2015, Dec 14-15, 2015
43. Guest of Honor National Conference on Trends in Signal Processing and Computing (TSPC-2015), Kanpur, Sept 19-20, 2015.
44. Member in publication committee & organizing committee 39th Nation System Conference 2015 at Shiv Nadar University, India, 14-16 Dec., 2015.
45. Reviewer in 39th Nation System Conference 2015 at Shiv Nadar University, India, 14-16 Dec., 2015.
46. Reviewer in Second International Conference on Innovative Advancements in Engineering & Technology, JNU, Jaipur, India, April 1 & 2, 2016.
47. Member in organizing committee of Asia Pacific Microwave Conference 2016.
48. Member of IEEE, USA, IETE, India, ISTE, India.

Prof. G Soundra Pandian

49. Reviewer in 39th National System/IEEE Conference 2015 at Shiv Nadar University, India, 14-16 Dec., 2015.

Dr. Amit Bakshi

50. Reviewed recently three articles in IEEE Transactions on Power Delivery.
51. Reviewed recently an article in International Journal of Emerging Electric Power Systems (IJEEPS).

Dr. Phaneendra Babu Bobba

52. Member of IEEE member.
53. Reviewer for Journal of the Institution of Engineers (India) - Springer and IEEE SPEC 2016 - International Conference.

Dr. Naveen Babu

54. National Workshop on Electromagnetics and Antenna Design (WEAD-2016) on 9-10 April 2016 at IIT-BHU, Varanasi.

55. National Workshop on RF and Microwave Design Using Advanced Design System on 12-13 March 2016 at GLA University, Mathura.

DEPARTMENT OF MECHANICAL ENGINEERING

Dr. Santanu Mitra

56. Organized National Workshop on “Additive Manufacturing: 3D Printing”, 17-18 August 2015, Seminar Hall, Central Library, Shiv Nadar University.

57. Participated in Renewable Energy Expo 2015, September 23-25, 2015. An exhibition and conference held in India Expo Center, Greater Noida. India.

Dr. Harpreet Singh Grewal

58. Acted as referee for 3 paper for the journal RSC Advances

Dr. Arvind Singh Rajput

59. **Reviewed Journal Paper:** Tribology International:

Dr. Divya Shrivastava

60. Team member of Organizing committee “Additive manufacturing: 3D printing” workshop at SNU on dated 17th & 18th August 2015.

Dr. Dipak Maity

Reviewed Publications:

61. Scientific Reports (Nature)

62. Journal of Magnetism and Magnetic Materials (Elsevier)

Editorial Assignment:

63. American Journal of Nanotechnology

64. American Journal of Nanotechnology

65. Editorial Board Member of American Journal of Nanotechnology, and Journal of Refrigeration, Air conditioning, Heating and Ventilation.

66. Reviewer-SERB, Department of Science & Technology.

Reviewed Publications:

67. **Title:** Preparation and evaluation of MRI detectable poly (acrylic acid) microspheres loaded with superparamagnetic iron oxide nanoparticles for transcatheter arterial embolization, Manuscript Number: IJP-D-16-00802, International Journal of Pharmaceutics (**Elsevier**)
68. **Title:** Biodegradable Yolk-Shell Magnetic Nanospheres: Robust Contrast Agents for Ultrasound and MRI Dual-Modality Imaging and Controlled Drug Delivery System, Manuscript ID am-2016-03658z, **ACS Applied Materials & Interfaces**

Dr. Harpreet Singh Arora

69. Attended three day symposium on "12th International Surface Engineering, Paints & Coatings Symposium & Expo 2015" from October 7-9, 2015, held at India Expo Centre, Greater Noida.
70. Reviewed manuscripts for Journal of Alloys and Compounds, Sadhana and Metallurgical and Material Transactions A.

Dr. Harpreet Singh Grewal

Referee for following Journals

71. RSC Advances - 5 Papers
72. International Journal of Mechanical Sciences - 1 Paper
73. Materials and Design - 1 Paper
74. Engineering Science and Technology, an International Journal - 1 Paper

Dr. Arvind Singh Rajput

75. Malaysian International Tribology Conference 2015 (MITC 2015), 16 ~ 17 November 2015 - Penang, Malaysia
76. Reviewed Journal Paper:
1. Tribology International:
 2. Journal of Mechanical Science and Technology

Dr. Ramesh Gupta

77. Participated in Conference and exhibition on "Inclusive Innovation" at IIT-Delhi on 1st Nov. 2015
78. Participated in Yarn, Fabric and Accessories Trade Show 2015 at NSIC, Okhla, New Delhi on 17th Dec. 2015
79. Chair, Publication committee and Member, Organizing committee: National Systems Conference (NSC2015). Dec 14-16, 2015.
80. Organizer: 2days Workshop on Ansys (CFD), 17&18 Oct 2015.

Mr. Nishant Mishra

81. Led a team of 10 Engineering Undergraduate students to make a Hybrid Tricycle - and participated in **Efficyle** event - a National level inter university/college competition at Lovely Professional University during 15-18 Oct., 2015. Started guiding the project from April, 2015 onwards, and the manufacturing activity started in July 2015.
82. Member, Organizing Committee 39th National Systems Conference 2015 at Shiv Nadar University, India, 14-16 Dec., 2015.
83. Organised and Conducted **Vehicle Dynamics** workshop at Shiv Nadar University during 10-11 Oct., 2015
84. Member, Core Organising Committee, Convocation at Shiv Nadar University, 30th Oct., 2015
85. Affiliations - Renewed membership for SAE (Society of Automotive Engineers).
86. Faculty Advisor for SAE-SNU Collegiate Club.
87. Faculty Advisor for ASME (American Society of Mechanical Engineers) chapter - ASME Student Section Enterprise at Shiv Nadar University. The section was opened on 30th Dec, 2015.
88. Also the Faculty Advisor for Adventure Club, Co-faculty Advisor for RoboYantriki Club - Robotics Club, Imprints - Dramatics Club, Inferno - Dance Club, SNUPhoria - Music Club
89. Judged Final events of various Cultural and Technical competitions during Breeze, Inter-University Fest at Shiv Nadar University, 23-26 Oct., 2015
90. External **Viva Examiner** for Fluid Mechanics course at Northern India Engineering College, IP University, New Delhi, during 28-29 Nov., 2015
91. Attended Faculty Advancement Program for BAJA2016 at Aurangabad, 3-4 Oct.
92. Talk: Various career options after 12th, and exposure to Multidisciplinary curriculum, at Uttarakhand Public School, 20th Oct., 2015
93. Talk: Career Development through Multidisciplinary Curriculum, at Delhi Public School, Panipat, 1st Oct., 2015
94. Organized a Talk on *Technology to Save "Future"* by a world renowned Wildlife Conservationist and Photographer, Dr Anish Andheria. The talk was about scientific and technological solutions required to address the pressing issues in Wildlife Conservation and Climate Change.
95. Led four different teams of 85 Engineering Undergraduate students to fabricate four GoKarts - and participated in Nirman GoKart event - a National level inter university/college competition at Maruti Traffic Park, Pune during April 11-12, 2016. Started guiding the project from November, 2015 onwards, and the manufacturing activity started in Jan 2016.
96. Participated in a workshop organized by the Society of Automotive Engineers on Efficyle, on 18th June.
97. Member of SAE (Society of Automotive Engineers)

Dr. Ramesh Gupta

98. **Participated:** GIAN course on "3D Printing and Additive Manufacturing" at NIT-Warangal, 20-24, June 2016.

Dr. Santanu Mitra

99. M.Tech Projects/Thesis Examiner and Viva-voce External Expert at **IIT Delhi**, Appl. Mechanics Department on 25th May 2016.
100. Thesis Topic, computational study of heat transfer enhancement in microchannels by partially redeveloping flow.

SCHOOL OF NATURAL SCIENCES

Dr. Rupamanjari Ghosh

101. Hosted and inaugurated a Faculty Development Workshop on 31 July 2015 at SNU.
102. Hosted and inaugurated a Teaching Assistants' Orientation Workshop on 8 August 2015 at SNU.
103. Hosted and inaugurated a National Workshop on Additive Manufacturing (3D Printing) on 17-18 August 2015 at SNU.
104. Held a Gender Orientation session at SNU for faculty & staff members on Thursday, 24 September 2015 at SNU.
105. Member, Subject Expert Committee on Physical Sciences for the "Fund for Improvement of S&T Infrastructure in Universities & other Higher Educational Institutions (**FIST**)", **DST**.
106. Member, Programme Advisory Committee (**PAC**) on "Lasers, Optics, Atomic & Molecular Physics" under the Science & Engineering Research Board (**SERB**), **DST**.
107. **Editorial Board** Member of the Journals, Optics Communications (Elsevier North Holland), Journal of Optics (Springer), India, Physics Education.
108. Referee for many international journals (*Optics Communications, Optics Letters, Europhysics Letters, EPJAP, IOP journals - Journal of Physics B, Physics Letters A, Pramana, ...*),
109. Referee for funded (CEFIPRA, DST, Indo-US Science and Technology Forum) research projects.
110. Nominee of the Visitor (the President of India) and of the Chancellor (the State Governor) in the Selection Committees of a Central and a State University.
111. Subject Expert in Faculty Selection Committees in many universities and institutes.

Chancellor's Nominee in the Court (Senate) of a State University.

DEPARTMENT OF CHEMISTRY

Dr. Parthapratim Munshi

112. **Refereed one** scientific articles for the publication in the *Acta Crystallographica Section B* journal, published by International Union of Crystallography
113. **Organized** Open House cum Science Fair at SoNS, SNU on 7th November
114. The 13th Asian Conference of the Asian Crystallographic Association, 05 - 08 Dec 2015, Kolkata.
115. **Refereed** one scientific articles for the publication in the *Journal of Applied Crystallography* journal, published by International Union of Crystallography
116. **Reviewed** one project of 2.88 Cr submitted to Information Technology Research Academy (ITRA), Media Lab Asia, Department of Information Technology, Government of India.
117. **Reviewed** 9 proposals submitted for neutron beam time at ORNL, USA.
118. **Refereed** one scientific articles for the publication in the *Acta Crystallography B*, published by International Union of Crystallography
119. Session Chair at the National Seminar on Crystallography 2016, Pune 10 - 13th July.
120. Refereed one scientific article for the publication in the *Journal of Crystallography*, published by Hindawi Publishing Corporation.
121. Guided One Master Student, Vijay Kumar (Central University of Gujarat), who submitted and defended his thesis on May 2016.

Dr. N. Sukumar

122. **Gordon Research Conference on Computer Aided Drug Design**, Mount Snow, West Dover, VT, USA, 19-24 July, 2015.
123. Scientific Advisory Committee, **RSC Workshop on Chemistry for Tomorrow's World**, December 2-3, 2015.
124. Chaired first technical session of **RSC Workshop on Chemistry for Tomorrow's World**, December 2-3, 2015
125. Refereed for Bentham Science Publishers.

Dr. Basab Biyajji Dhar

126. Invitation from National Chemical Laboratory, Pune for Collaborative research from 5 th to 13 th November. NCL sponsored the air fare and local amenities.
127. Attended RSC workshop on "Chemistry for Tomorrow's World". December 2-3, 2015 at New Delhi.
128. **Recent Paper Reviewed:** 1 paper from 'Journal of American Chemical Society'
129. Paper Reviewed from 'Journal of Inorganic and Organometallic Polymers and Materials'

Dr. Debdas Ray

130. Attended an invited workshop on Fluorescence Spectroscopy and its Applications conducted by the Center for Development of Technical Education, IIT Kanpur, during November 23-27, 2015

Dr. Gouriprasanna Roy

131. Member of Chemical Research Society of India (CRSI)

Dr. Bimlesh Lochab

132. Reviewer activities in DST-SERB projects and International Journals
133. Organizer (Ram Sagar Misra and B. Lochab) in One-day symposium, "Emerging trends in Translational Research in India", to be held on 9 April 2016.

Dr. Subhabrata Sen

134. Participated: Novel multicomponent reactions in the synthesis of bioactive heterocycles
135. Invited Presentation in Sixth European Workshop in Drug Synthesis, 15th-19th May, 2016, Certosa di Pontignano, Siena, Italy.
136. Invited Presentation in 4th International Conference on Asian Network for Natural and Unnatural Materials, 8th-11th June, 2016, National University of Singapore, Singapore.
137. Referred manuscript for Journal: Antimicrobial Agents and Chemotherapy.

Dr. Gouriprasanna Roy

138. Member of Chemical Research Society of India (CRSI).

DEPARTMENT OF PHYSICS

Dr. Dimitris Kaskaoutis

139. Review of 9 articles submitted in 8 International scientific Journals: i) Journal of Geophysical Research, ii) Aeolian Research, iii) Atmospheric Chemistry and Physics, iv) Aerosol Air Quality Research, v) Meteorology and Atmospheric Physics, vi) Journal of Geophysical Research, vii) Environmental Pollution, viii)

Remote Sensing of Environment, ix) International Journal of Environmental Science and Technology.

140. Reviewer of the Book titled “**An Introduction to Dynamic Meteorology - Fifth Edition**» by James R. Holton and Gregory J. Hakim after invitation from Elsevier.
141. Participation in the 15th European Aerosol Conference, EAC, Milan, Italy, 6-11 September, 2015. [*The participation was supported and funded by the EU-funded KRIPIS-THESPIA project and National Observatory of Athens*]
142. Review of **5** articles submitted in **5** International scientific Journals: i) Atmospheric Chemistry and Physics, ii) Science of the Total Environment, iii) Water, Air and Soil pollution, iv) International Research Journal of Public and Environmental Health, v) International Journal of Agricultural Policy and Research.
143. Review of **9** articles submitted in **7** International scientific Journals:
 - 3 in Atmospheric Research
 - Journal of Geophysical Research
 - Remote Sensing of Environment
 - Remote Sensing
 - Annales Geophysicae
 - Toxicological & Environmental Chemistry
 - Atmospheric Environment.

Dr. Santosh Kumar

144. Refereed a submission to ‘Wireless Personal Communications’ journal. (Publisher: Springer)
145. Refereed a submission to *Journal of Physics A: Mathematical and Theoretical*, Publisher: IOP, UK

Dr. Priya Johari

146. Reviewed journal articles for the Journal of Physical Chemistry C (JPCC), Nanoscale of RSC journals, and the Journal of Physics: Condensed Matter
147. Session Chair at ICAER 2015, IITB.

Dr. Samarendra P. Singh

148. Member Materials Research Society India and Singapore.
149. Reviewed a research proposal for SERB, DST India.
150. Attended International conference polymer and paint technology at Expo, Greater Noida in November 2015.

151. Co-ordinated team of Physics department to organize activities during Science fair 2015 at SNU.
152. Reviewed a research proposal for SERB, DST India.
153. Member Materials Research Society India and Singapore.
154. Reviewed a research proposal for SERB, DST India.

Dr. Susanta Roy

155. Reviewed one NSF (South Africa) research proposal
156. Reviewed one article for the journal 'Green Chemistry Letters and Reviews'.
157. Reviewed one article for the journal 'Separation Science and Technology
158. Reviewed one article each for the 'Journal of the Taiwan Institute of Chemical Engineers, journal 'Analytical Chemistry' and journal 'Royal Society Open Science.'
159. Invited as an external examiner to review B.Tech/M.Tech thesis at Amity Institute of Nanotechnology, Amity University.

Dr. Alope Kanjilal

160. Received lifetime membership in Indian Physics Association (IPA)
161. Received lifetime membership in Materials Research Society of India (MRSI)
162. Received lifetime membership in Ion Beam Society of India (IBSI)
163. Reviewed 1 article for J. Appl. Phys.
164. Reviewed 2 project proposals for DST-SERB.
165. **18th International Conference on Radiation Effects in Insulators (REI-18)** held in Jaipur, India during 26-31 October 2015
166. "*Ion beam engineered self-organized nano-channels in TiO₂ layers for resistive switching application*" at Low Energy Ion Beam Facility Workshop at Inter University Accelerator Centre (IUAC) on 3rd November, 2015 (Invited seminar).
167. "*Ion beam produced TiO_x nanochannels for developing resistive switching memory devices*" at International Conference on Nanostructuring by Ion Beams (ICNIB-2015) in Agra on 24 November 2015 (Invited seminar).
168. **External examiner** for conducting BSc (2nd year) and BTech (1st year) practical examination in the Physics Department of Lingaya's University, Faridabad on 8th December, 2015.
169. Reviewed 1 article for J. Appl. Phys.
170. Reviewed 3 project proposals for DST-SERB.
171. Received lifetime memberships in Indian Physics Association (IPA); Materials Research Society of India (MRSI); and Ion Beam Society of India (IBSI).

Dr. Bhaskar Kaviraj

172. Peer reviewed a research manuscript in the journal "**Journal of Applied Physics**" Publisher: "**American Institute of Physics**".

Dr. Sajal Ghosh

173. Life member of Indian Physics Association
174. Performed synchrotron experiment at the Photon Factory, KEK, Tsukuba, Japan (8th to 14th November 2015)
175. Participated in the Meeting on the "Science Using X-ray Free Electron Laser and Users Meeting" at Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Bangalore during 25-26th February, 2016

Dr. Subhra Sen Gupta

176. Co-organizer of the "Open House *cum* Science Fair 2015" Event, at SNU campus on 7th November, 2015. Featured on the SNU webpage as a very successful event attended by about 360 participants.

Dr. Sajal Kumar Ghosh

177. Visited and performed synchrotron experiment at the Photon Factory, KEK, Tsukuba, Japan (29th May to 5th June 2016).

DEPARTMENT OF LIFE SCIENCES

Dr. Deepak Sehgal

178. Member/Reviewer for Department of Science and Technology for EMR grants, Biotechnology Ignition Grant Scheme (BIGS, DBT), Small Business Innovation Research Initiative (SBIRI, DBT), Biotechnology Industry Partnership Programme (BIPP, DBT).
179. Advisor for Double Helix Research publishing house for publishing the journals, DHR International Journal of Biomedical and Life Sciences, DHR International Journal of Pharmaceutical Sciences and DHR International Journal of Medical Sciences.

180. Expert reviewer in BIRAC and Honorary Research Advisor in Double Helix Research Publishing house
181. **Expert Reviewer in following Funding agencies**
- 1) Biotechnology Ignition Grant Scheme
 - 2) Small Business Innovation Research Initiative (SBIRI)
 - 3) Biotechnology Industry Partnership Programme (BIPP)
182. **Honorary Research Advisor**
1. Double Helix Research publishing house publishing the journals,
 2. DHR International Journal of Biomedical and Life Sciences
 3. DHR International Journal of Pharmaceutical Sciences
 4. DHR International Journal of Medical Sciences

Dr. Seema Sehrawat

183. **Seema Sehrawat.** Third Annual Workshop on "Micro- and Nanotechnologies for Medicine: Emerging Frontiers and Applications", Harvard-MIT Health Sciences and Technology, Cambridge, MA, July 27 - July 31, 2015
184. **Seema Sehrawat.** 250th American Chemical Society Meeting, INNOVATION from Discovery to Application, August 16-20, 2015, Boston, MA.
185. Member of the Editorial Board of Insights in Stem Cells <http://stemcells.imedpub.com/editors.php>.
186. VISITING FACULTY at Center for Nanomedicine, Brigham and Women Hospital, Harvard Medical School, Boston, MA, USA. *June 1, 2015-August 31, 2016.*
187. Selected for CORE: Credential of Readiness, Pre-Master of Business Administration (Pre-MBA), Harvard Business School, HBX, Soldiers Field, Boston, MA 02163, USA. *Enrolled in Spring 2016 HBX.*

Dr. Richa Priyadarshini

188. Delivered talk "Future Careers in Biological Sciences" at Sulochanadevi Singhania School, Mumbai and at Shiv Nadar University

DEPARTMENT OF MATHEMATICS

Dr. Ajit kumar

189. *17th CFD Annual Symposium, CFD Division, Aeronautical Society of India, NAL, Bangalore Aug 11-12, 2015* <http://www.nal.res.in/cfdsympo/>

Dr. Satyanarayana Reddy

190. As a resource person in mini-MTTS program from 26th July 2015 to 31st July 2015 conducted at Jammu Kashmir Institute of Mathematical Sciences, Srinagar, sponsored by NBHM.
191. Reviewed a paper for ScienceAsia.
192. Member of moderation board for the Discrete Mathematics Paper for a university located in NCR
193. As a tutor in IST (Instructional school for Teachers)-Number Theory held at Kerala School of Mathematics, Kozhikode, Kerala, from 5th October to 17th October, 2015.
194. Reviewed a paper for 39th National Systems Conference (NSC) held at SNU.
195. Reviewed an article in Electronic Journal of Graph Theory and Applications (EJGTA).
196. Part of the screening committee of MTTS-2016 held during the period 25th to 28th February, 2016 at Central University Hyderabad.
197. Part of moderation committee of the paper "Discrete Mathematics" held at a University in Delhi on 9th March, 2016
198. Worked as local coordinator for "Mathematics training and talent search (MTTS) program" held at SNU from 30th May to 25th June, 2016.
199. Tutor for Advanced instructional school on Matrix analysis held at SNU from 2nd May to 21st May, 2016.
200. Resident Faculty for Mathematics training and talent search (MTTS) program held at SNU from 30th May to 25th June, 2016.

Dr. Sudepto Bhattacharya

201. Refereeing for the Proceedings of the National Academy of Sciences, India Section A: Physical Sciences: one research paper
202. **Refereeing for publications:** Refereeing for the Proceedings of the National Academy of Sciences, India Section A: Physical Sciences: one research paper.
203. Member of National Network for Mathematical and Computational Biology (Delhi node), SERB, Govt. of India.
204. Referee for proposals submitted to ITRA-Human Simulator Programme, Department of Biotechnology, Govt. of India
205. Referee for the Proceedings of the National Academy of Sciences, India Section A: Physical Sciences: one research paper.
206. Referee for proposals submitted to ITRA-Human Simulator Programme, Department of Biotechnology, Govt. of India.
207. **Meeting** - Participated in Expert Committee Meeting on Evaluation of training packages/modules in science and mathematics at upper primary stage developed by states, at NCERT New Delhi, 22/2/2016 - 26/2/2016.

- 208. **Membership** - Member of National Network for Mathematical and Computational Biology (Delhi Node), SERB, Govt. of India.
- 209. Participated in discussion meeting on the theme “Application of network theory and geospatial technology to wildlife conservation in India”, with scientists from IIRS and WII at Indian Institute of Remote Sensing, ISRO, Dehradun 22/6/2016 - 23/6/2016.
- 210. Member of National Network for Mathematical and Computational Biology (Delhi Node), SERB, Govt. of India.
- 211. Referee for the Proceedings of the National Academy of Sciences, India Section A: Physical Sciences.

Dr. Krishnan Rajkumar

- 212. Delivered a talk in the Math-Stat Colloquium, IIT Kanpur on Sep 3, 2015
- 213. Reviewer for 1 manuscript in Indian Journal of Pure and Applied Mathematics, Springer

Dr. Priyanka Grover

- 214. Refereed papers for
 - 1) Indagationes Mathematicae
 - 2) Bulletin of the Iranian Mathematical Society
- 215. Reviewer for Mathematical Reviews, American Mathematical Society
- 216. Mathscinet reviewer
- 217. Organized, “Advanced Instructional School on Matrix Analysis”, May 2-21, 2016.
- 218. Participated in 31st Annual Conference of Ramanujan Mathematical Society held in National College, Trichy,
- 219. Resource person in Advanced Instructional School on Matrix Analysis held in SNU,
- 220. Resource person in Mathematics Training and Talent Search Programme (MTTS) held in IIT Madras.
- 221. Member of Ramanujan Mathematical Society and American Mathematical Society.
- 222. Reviewer for AMS Mathematical Reviewer and Refereed for Linear Algebra and its Applications

Dr. Amber Habib

223. Member of review committee for the Annual Foundation Schools in Mathematics, a national training program for PhD students organized by the National Centre for Mathematics.
224. Referee for proposals submitted to ITRA-Human Simulator program of Department of Bio-Technology, Govt of India.

Dr. Neha Gupta

225. Organized "Open House cum Science Fair"/ at SoNS, SNU on 7th November. It featured on the SNU webpage as a very successful event attended by about 360 participants.

Dr. Suma Ghosh

226. Participated in BIOMAT 2015-15th International Symposium on Mathematical and Computational Biology, IIT Roorkee, Uttarakhand, India - November, 01-07, 2015 and
227. Mathematics and Statistics of Biological Populations - May 23-28, 2016 at Chail (Solan, HP), India.
228. Member of Society for Mathematical Biology.

CENTER FOR ENVIRONMENTAL SCIENCES AND ENGINEERING

Dr. Jyoti Sharma

229. Expert Member, Advisory Committee for Ecosystem Research Program (EcRP), Ministry of Environment Forests & Climate Change, GOI - Attended 11th, 12th and 13th Meetings in July, August and September
230. As a Member attended the 15th Meeting of the Advisory Committee for Ecosystem Research Programme (EcRP) held on 29th February and 1st March, 2016 at Indira Paryavaran Bhawan, Ministry of Environment, Forest & Climate Change, New Delhi (Jyoti K. Sharma).
231. As a Member attended the Doctoral Degree Committee of Environmental Sciences, Abdul Kalam Technical University, Lucknow, 10-11 March 2016 (Jyoti K. Sharma).
232. Member, Advisory Committee for Ecosystem Research Programme (EcRP), Ministry of Environment, Forests and Climate Change - attended a meeting at Port Blair, Andaman in May 2016.

233. Member, Research Coordination Committee (RCC), Central Silk Board, Ministry of Textiles, GOI, Bangalore.

CENTER FOR INFORMATICS

Dr. Vijay Kumar

234. Co-Chair of Symposium N “Materials by Theoretical/Computational Design” in IUMRS-ICEM 2016 in Singapore.
235. Member of the Advisory Committee of ACCMS Theme Meeting “**First Principles Analysis and Experiment: Role in Energy Research**)” to be held in SRM University, Chennai 22-24 September 2016.

INSTITUTE FOR INNOVATIONS & INVENTIONS WITH MATHEMATICS AND I.T. (IIIMIT)

Dr. L. M. Saha

Members of Board of Studies:

236. External Experts of the Board of Studies of University School of Basic and Applied Sciences, **Guru Gobind Singh Indraprastha University**, Sector 16-C, **Dwarka**, New Delhi - 110078.
Attended a BOS Meeting on 22/12/2015 to finalize examiners for Ph.D. courses.
237. External Experts of the Board of Studies of Department of Mathematics, **Jamia Millia Islamia**, **New Delhi-110025**
238. A founding member of the Board of Studies for the School of Engineering and Technology, **BML Munjal University**, Sidhrawali, Gurgaon, HR 122413.

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

DEPARTMENT OF ECONOMICS

Dr. Partha Chatterjee

239. Refereed a paper for Applied Economics
240. Participated in E-QUAL meetings and workshops organized by University of Bologna and King’s College London.

Dr. Suchismita Tarafdar

241. Referee work for Journals
Mathematical Social Sciences and Trade and Development Review
242. Participated in “Summer Conference in Economics: Theory meets Empirics” organized by Indian Institute of Technology, Delhi, 8th-9th April, 2016.
Refereed for the journal “Mathematical Social Sciences”.

DEPARTMENT OF HISTORY

Dr. Shrimoy Roy Chaudhury

243. Referred for Social History of Medicine

Dr. Sanchari Dutta

244. **Dutta, S.** refereeing for *Modern Asian Studies* (Cambridge University Press UK);
Oxford University Press (India)

Dr. Meera Visvanathan

245. Invited to Chair and Discuss a Session of Student Presentations at the Young Scholars Conference, Centre for Historical Studies, JNU, 19th March 2016.

Dr. Jaya Menon

246. Workshop for Graduate, MPhil and PhD students conducted on ‘Reading Archaeological Reports’, at the Archaeology Workshop Series, Centre for Historical Studies, Jawaharlal Nehru University, New Delhi, February 6, 2016.

Dr. Sudeshna Guha

247. Consultant for Bihar Museum, Patna, on Collections Management

DEPARTMENT OF ENGLISH

Dr. Sambudha Sen

248. Advisory Board *Victorian Studies* (Indiana University Press)

249. Book Review:
Review of Anuradha Roy's *Sleeping in Jupiter*: The Book Review. September 2015
250. Advisory Board : *Victorian Studies*
A quarterly peer-reviewed academic journal published by Indiana University Press
251. Member of the Modern Language Association.
252. Advisory Board, *Victorian Studies* (Indiana University Press)
253. Life Member, Clare Hall, Cambridge.

Dr. Vikram Kapur

254. **With Dr. Samuel Berthet** (*Sociology SNU*) *India and World War I: Across Generations*, an SNU-USI (United Service Institution of India) conference on India's participation in World War I that took place at the USI and SNU on November 6-7, 2015. (Poster attached)
255. Conducted a creative and critical writing workshop, Asian College of Journalism, Chennai, India, March 20-April 2, 2016.

Membership of Committees (non-SNU)

256. Nominated to the Drafting Committee authorized to produce the material for a Global Education Meet organized by the Government of Kerala on January 29-30, 2016. Nomination letter attached.

Dr. Tulika Chandra

257. Participated in fifteen-day Women in University Administration from South and Central Asia program, a premier professional exchange program, June 2016. The University of Nebraska at Omaha (UNO) hosted the program, sponsored by the U.S. Department of State.

DEPARTMENT OF SOCIOLOGY

Dr. Mekhala Krishnamurthy

258. Member, Capacity Building Committee, Bharat Rural Livelihoods Foundation
259. External Member, Review Committee for a Research Proposal on "Urban Futures in the Indian Himalayas: The Political Ecology of Infrastructures in Two Himachal Towns", Ambedkar University, Delhi

260. External Examiner for M.Phil. Dissertation on “Urbanisation in ‘Unplanned’ Mehrauli, Delhi”, Jawaharlal Nehru University
261. Presenter, National Workshop on Agrarian Change and Urbanisation, Azim Premji University, Bangalore

Dr. Nalin Mehta

262. Nominated as member of UGC committee for selecting over 1000 CV Raman Fellows funded by India for work in the United States.
263. Co-authored and submitted report on ‘National Education Policy and integration of sport into higher education’ as part of Justice Mukul Mudgal panel appointed by Ministry of Human Resources and Development committee.
264. Co-Director, Times LitFest Delhi by the Times of India Group
http://timesofindia.indiatimes.com/litfest/litfest-delhi/litfest_delhi.cms
265. Member of Governing Board and Governing Council of University Grants Commission Consortium for Education Communication, which oversees the work of 21 university centre nationwide.
266. **Nominated by University Grants Commission for 3-year term**
267. Editor, South Asian History and Culture (Routledge) book series
268. Editor, South Asian History and Culture (Routledge) international journal
269. Member Advisory Board, South Asia Archive (Routledge)
270. Member, Editorial Board, Sport and Society (Routledge)

DEPARTMENT OF EDUCATION

Dr. Gitanjali Sen

271. Attended the ISI-Delhi conference on Growth and Development in July 2015.
272. August: Reviewed a paper for *Journal of Interdisciplinary Economics* by Sage publication.
273. September: Currently reviewing a paper for *World Development*, Elsevier journal.
274. Membership of American Economic Association
275. Presented at the EconWorld Conference (organized by World Economic Research Institute), in Barcelona, Spain, held in January 31st, 2016.
276. Membership of American Economic Association
277. Membership of European Economic Association

Refereeing

1. *World Development*

2. *Journal of Modelling Management*
Journal of Interdisciplinary Economics

DEPARTMENT OF ART, DESIGN AND PERFORMING ARTS

Dr. Gitanjali Kolanad

278. Guest-edited the December 2015 issue of Seminar Magazine, "Why Dance?" and contributed the Statement of the Problem and the essay, "Young Girls were Harmed in the Making of this Dance". <http://www.india-seminar.com/semframe.html>
279. Participated in Shastri Conference, an International conference.

Prof. Maya Krishna Rao

280. Hera Single "Creating the New Asian Woman: Entanglements of Urban Space, Cultural Encounters and Gendered Identities in Shanghai and Delhi." Cluster of Excellence "Asia and Europe" Karl Jaspers centre., Max Mueller Bhawan, Delhi, Oct 6, 2015
281. Lila Prism Samanvay Indian Languages Festival, Participant in Panel Discussion, Nov 27, 2015
282. Freedom Theatre, Palestinian Group in India-3-Day Theatre Workshop, Dec 9-11, 2015

Dr. Amit Ray

283. May, 2016 Member Selection Panel, Schwarzman Scholars, New Delhi
284. April 13, 2016 - GE Foundation Scholarship Selection Committee Member, New Delhi
285. Adjunct Visiting Professor, Charles Sturt University, Australia
286. Editorial Board Member, Fusion Journal, Charles Sturt University, Australia
287. Reviewer - Journal of Design and Communication, National University of Colombia, Bogotá
288. Member, DST Panel-'Design Requirements for Elderlies', meeting IIT Guwahati, India
289. Member, TE-QIP Panel on Ergonomic Education, meeting, IIT Guwahati, India
290. Member, Design Innovation Centre (MHRD), policy meeting IIT Guwahati, India

CENTRE FOR PUBLIC AFFAIRS AND CRITICAL THEORY

Ms. Shailaja Chandra

291. Member of the Drafting Committee for the Evolution of the New National Education Policy.

Mr. Anubroto Kumar Roy

292. Panel discussions on “Floods in Chennai”, Rajya Sabha TV, Delhi, Dec 11.

Mr. Sudipto Mundle

293. **February 13, 2016 - O.P. Jindal Global University, at India International Centre, Gulmohar Hall, New Delhi** - Distinguished Panelist at the Seminar on *The Discipline of Economics: Responding to People’s Aspirations and Policy Challenges*.
294. **March 10, 2016 - Shiv Nader University, CPACT, Gautam Buddh Nagar** - Chaired Panel Discussion on 2016-17 Budget
295. **March 15, 2016 - Ambedkar University, Delhi** - Review Committee Meeting to evaluate the research proposal titled “ReSearching Delhi
296. Joined as Member of the Board of Governors of the Institute of Human Development, New Delhi for three years, March 2016.

SCHOOL OF MANAGEMENT AND ENTREPRENEURSHIP

Dr. Jaideep Ghosh

297. Reviewed research manuscript for Journal of Global Information Technology Management. Publisher: Taylor & Francis.
298. Participated in the Academy of International Business (AIB) 2016 Annual Conference at New Orleans, Louisiana, USA, June 25 - 30, 2016.
299. Member of Academy of Management (AOM), Academy of International Business (AIB), and Academy of Information Systems (AIS).
300. Refereed research article for Decision Sciences Journal and for IEEE Transactions on Engineering Management.

Dr. Kaushik Chaudhuri

301. Reviewing Chapters for a proposed book on “HRM Analytics” with requests from Sage Editorial Board and Publication India Office.
302. Nominated as Track Chair in the 28th Annual Conference of International Academy of Business Disciplines (IABD) in 2016 to be held at Nevada USA. However opted as the Co-Chair due non availability in person in the conference in 2016.
303. Mentoring undergraduate student in ‘OUR’ project 2015-16, in Shiv Nadar University.
304. Reviewed a paper for Journal of Management Inquiry.
305. Facilitated administration and scholarly support to the 28th Annual Conference of the International Academy of Business Disciplines (IABD), in the HRM track, as the Track Chair, to be held in 2016 at Nevada, USA.
306. Co-Chaired the HRM Track for the 28th Annual Conference of International Academy of Business Disciplines (IABD) held at Nevada, Vegas in 2016.
307. Reviewer for the 29th Annual conference of Association of Japanese Business Studies
308. (AJBS) 2016.
309. Ad-hoc reviewer of journal published from IIM Bangalore, *IIMB Review*.
310. Editorial Review Board member *Quarterly Review of Business Disciplines (QRBD)*, Journal published by IABD, USA.
311. International Review Board member *International Journal of Innovation in the Digital Economy*, official publication of Information Resources Management Association USA (IGI Publications)
312. International Review Board member of *International Journal of Applied Behavioral Economics* (IGI Publications)
313. Editorial Review Board member of *Economic and Administrative Series Annals of University Bucharest*, an official publication of the University of Bucharest, Faculty of Administration and Business, Bucharest.
314. Editorial Review Board Member of journal *Drishtikon*, official publication of SCMHRD, Symbiosis International University, India.

Dr. Vishwanath S R

315. IIM B Management Review, Elsevier Journals (reviewer).

CAREER DEVELOPMENT CENTER REPORT 2015-16

Total Active Students in batch 2016	308
Total Companies took part in Placement Process	58
% Placed UG	91
Total Placed UG	150
Total Placed	159
Total Job in Hand	200
Average CTC 3.92 lacs p.a	3.92 LPA
Maximum CTC accepted on campus	8.2 LPA (Axis Bank)
Maximum CTC offered on campus	10.0 LPA (Synopsis)
Department	Companies Name
Computer Science and Engineering	Dell, KPIT, Cognizant, HP R&D Lab, Kronos, Infoedge, Colored Cow, Tata Consultancy Services, Azcom, NIIT Tech, Zomato, Amazon, Group 10, VNL, Synopsys, CSC, NCR, HCL Avitas, Altrametrics, SNF, Provana, Apps Discover Technologies Pvt. Ltd, Oxyent
Electronics and Communication Engineering	Dell, KPIT, HP R&D Lab, Kronos, Tata Advance System, TATA Communications, Colored Cow, Tata Consultancy Services, Azcom, Zomato, Amazon, Group 10, Continental, VNL, Synopsys, Bechtel, Cognizant, CSC, NCR, HCL Avitas, Altrametrics, SNF, Provana, Apps Discover Technologies Pvt. Ltd, Oxyent
Mechanical Engineering	Dell, Anand Group, Roto Pumps, Cinda, Inglosys, Arvos, Kalpakaaru Projects, Tata Consultancy Services, Dassault Systèmes, Rinac India LTD, Zomato, AIS Glass, L&T, Continental, Cognizant, Technova, Altrametrics, SNF, Provana, Apps Discover Technologies Pvt. Ltd, Oxyent
Electrical Engineering	Dell, KPIT, HP R&D Lab, Cinda, Colored cow, Tata Consultancy Services, Zomato, Continental, Synopsys, Bechtel, Cognizant, CSC, NCR, HCL Avitas, Altrametrics, SNF, Provana, Apps Discover Technologies Pvt. Ltd, Oxyent

Civil Engineering	Sobha Limited, Cinda, Inglosys, RMS, Zomato, L&T, Cognizant, Altralytics, SNF, Apps Discover Technologies Pvt. Ltd
MBA	Edelweiss, Axis Bank, Kent RO, Grofers, Tectura, Cushman & Wakefield, Political Quotient, Provana
Economics including UG/PG	Axis Bank, Bank for America, MU Sigma, Political Quotient, Axiom, CCS Academy, TBI Online
Mathematics including UG/PG	Axis Bank, Political Quotient
English including UG/PG	Political Quotient, CCS Academy, TBI Online
Data Analytics	Axis Bank, Dell, Political Quotient, CCS Academ

ADMISSIONS REPORT 2015-16

Details of Undergraduate Applications:

Number of applications - 3165

Number of districts covered through admissions process - 388

School of Engineering: Selected - 891, Joined - 384

School of Humanities and Social Science: Selected - 121, Joined - 62

School of Natural Studies: Selected - 112, Joined - 52

Total students selected - 498

Below are the all-inclusive details of admissions 2015-16, under various schools and departments:

Degree	School	Department	No. of Students
Bachelor of Technology	School of Engineering	Chemical Engineering	10
Doctor of Philosophy	School of Engineering	Chemical Engineering	1
Bachelor of Technology	School of Engineering	Civil Engineering	23
Doctor of Philosophy	School of Engineering	Civil Engineering	3
Bachelor of Technology	School of Engineering	Computer Science and Engineering	89
Doctor of Philosophy	School of Engineering	Computer Science and Engineering	1
Bachelor of Technology	School of Engineering	Electrical and Electronics Engineering	60
Doctor of Philosophy	School of Engineering	Electrical Engineering	2
Bachelor of Technology	School of Engineering	Electronics and Communication Engineering	99
Doctor of Philosophy	School of Engineering	Electronics and Communication Engineering	3
Bachelor of Technology	School of Engineering	Mechanical Engineering	103
Doctor of Philosophy	School of Engineering	Mechanical Engineering	3
Bachelor of Science (Research)	School of Humanities & Social Sciences	Economics	29
Doctor of Philosophy	School of Humanities & Social Sciences	Economics	1
Master of Science	School of Humanities & Social Sciences	Economics	20
Bachelor of Arts (Research)	School of Humanities & Social Sciences	English	22

Master of Arts	School of Humanities & Social Sciences	English	8
Bachelor of Arts (Research)	School of Humanities & Social Sciences	History	1
Master of Fine Arts	School of Humanities & Social Sciences		10
Bachelor of Arts (Research)	School of Humanities & Social Sciences	Sociology	10
Doctor of Philosophy	School of Humanities & Social Sciences	Sociology	4
Bachelor of Science (Research)	School of Natural Sciences	Biotechnology	13
Bachelor of Science (Research)	School of Natural Sciences	Chemistry	3
Doctor of Philosophy	School of Natural Sciences	Chemistry	6
Doctor of Philosophy	School of Natural Sciences	Life Sciences	5
Bachelor of Science (Research)	School of Natural Sciences	Mathematics	15
Doctor of Philosophy	School of Natural Sciences	Mathematics	3
Master of Science	School of Natural Sciences	Mathematics	3
Bachelor of Science (Research)	School of Natural Sciences	Physics	21
Doctor of Philosophy	School of Natural Sciences	Physics	2
Master of Business Administration	School of Management & Entrepreneurship		22

FINANCIALS REPORT 2015-16

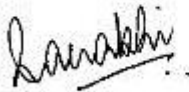
Shiv Nadar University Balance Sheet as at March 31, 2016

	Schedule	As at March 31, 2016 (INR)		As at March 31, 2015 (INR)	
Sources of funds					
Capital fund	1		6,311,000		5,011,000
Unsecured loans	2		2,570,127,687		2,005,566,292
Secured Loan	3		8,154,380		9,574,231
Total			2,883,323,067		2,020,281,523
Application of funds					
Fixed assets	4				
Net written down value		429,453,473	321,952,185	358,434,473	437,058,488
Add: Capital work in progress		82,506,882		79,224,215	
Current assets					
Sundry debtors	5	4,435,253		3,617,400	
Cash and bank balances	6	63,283,612		50,100,997	
Loans and advances	7	34,651,320		34,101,119	
		102,410,185		87,867,516	
Less: Current liabilities and provisions	8				
Current liabilities		234,455,933		157,775,630	
Provisions		46,036,605		34,688,583	
		281,492,538		202,464,213	
Net current assets/(liabilities)			(179,042,357)		(114,656,697)
Excess of expenditure over income			2,540,403,740		1,655,379,932
Total			2,883,323,067		2,020,281,523
Significant Accounting Policies and Notes to Accounts	14				

The schedules referred to above form an integral part of the balance sheet.

This is the balance sheet referred to in our report of even date.


For PwC Waterhouse Chartered Accountants LLP
Firm Registration Number - 012754NN500016



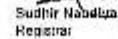
Abhishek Rana
Partner
Membership No. 077778

Place: GURGAON
Date: JUNE 04, 2016

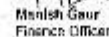
For and on behalf of Shiv Nadar University



Dr. Rudamanari Ghosh
Vice-Chancellor



Sudhir Handal
Registrar



Manish Gour
Finance Officer

Place: CHAUHAN BUDA NAGAR
Date: JUNE 04, 2016

Shrii Nadar University
Income and Expenditure Account for the year ended March 31, 2016

	Schedule	For the year ended March 31, 2016	For the year ended March 31, 2015
Income		(INR)	(INR)
Fees and other collection from students	9	88,70,025	129,676,700
Other income	10	14,51,692	8,310,603
Total		1,03,21,717	137,987,303
Expenditure			
Personal cost	11	42,239,402	366,819,801
Other non-staff and general expenses	12	81,017,465	378,825,166
Finance Cost	13	1,251,815	945,077
Depreciation/amortisation	4	10,995,809	25,917,572
Total		1,36,504,591	1,06,507,516
Excess of expenditure over income		(33,282,874)	(72,520,213)
Add: Balance brought forward from the previous year		(1,796,222,283)	(1,974,567,102)
Balance carried forward to Balance Sheet		(2,129,485,457)	(2,047,087,315)

Significant Accounting Policies and Notes to Accounts 16

The schedule referred to above form an integral part of the Income and Expenditure Account.

This is the Income and Expenditure Account referred to in our report of even date.

For Prico Vintedhara Chartered Accountants LLP
Firm Registration Number - 012754NME00019

Sanakshi

Abhinav Rana
Partner
Membership No. 077779

Place: Gurgaon
Date: JUNE 04, 2016

Principal of Shrii Nadar University

R. K. Chakraborty

Dr. Rajanjan Chakraborty
Vice-Chancellor

M. S. Singh
Sudhir Singh
Registrar

M. S. Singh
Manish Guler
Finance Officer

Place: GURGAON
Date: JUNE 04, 2016