

Nirma University

# Newsletter

Quarterly Newsletter

Volume 10 • Issue 2 and Volume 10 • Issue 3 • April 2018 - September 2018

## TWENTY FIFTH CONVOCATION

APRIL 24, 2018

AHMEDABAD



### What's Inside



Awards



CCE



Extension activity



Foundation Day



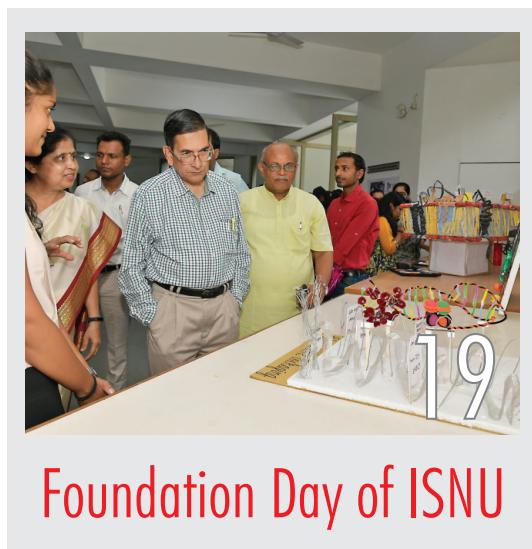
International Relations



Seminars

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## Message from the Director General's Desk

### Towards Universal Higher Education

Prevalence and effectiveness of higher education reflects intellectual prowess and economic prosperity of a nation. Almost all developed countries have achieved universal higher education, i.e., their graduate enrolment ratio is above 50%. If India wishes to be a strong nation in the comity of nations, she must achieve universal higher education at her earliest.

Currently India GER is around 25%. Therefore, it has to be doubled to move from the mass higher education to the universal higher education. It is indeed going to be a daunting task and all resources – financial, physical and human – must be mobilised to achieve this noble goal.

The achievement of the universal higher education largely depends upon three factors: supply of students from the school system, access to higher education institutions and equity for socio-economically backward sections of the society. It is imperative that investment in the school system must be increased substantially. As school education is public good, the state and Central governments must pay due attention to school education immediately and commit massive investment for effective schooling. Our school education has been suffering both quantitatively and qualitatively. School level outcomes are abysmal and need to be improved fast. The State has to be a major provider of high quality school education. We cannot leave school education to the private sector in spite of the criticism of government supported school education. The State must realise its responsibility and promote high quality school education. Private school education at best can play a supplementary role.

Among other factors, participation of girls in school education is crucial. Girls are unable to fully participate in school education due to various socio-economic circumstances. But, it has a serious adverse impact on the socio-economic development of the country. Our national productivity and progress is hampered owing to less girls in the school system.

Further, there are certain states which are laggards in school education. If their performance does not improve, then it would be difficult to achieve the target of universal higher education. They would require additional support from Central government and international agencies to catch up with their advanced peers. In the

same vein, the participation of ST and SC students is below par in school education. For the students of SC and ST communities, their education, health and development needs should be considered in totality. In other words, the school should focus on not only education, but also on nutritional needs and skill development for the total period of school education.

More importantly, the school should be a safe and happening place. It must have good infrastructure and competent and caring teachers. It should also be egalitarian place, consisting of employees from both genders and socio-economically backward people.

At the higher education level, the students should have incentives to go for higher education. They should get decent jobs after graduation. They should emerge as empowered citizens. And, they should become entrepreneurial in their thinking.

Most higher education institution (HEIs) should emphasise vocational and professional education. They need to focus on skill development and meeting the needs of the society. These institutions should be seamlessly integrated with industry.

The government HEIs are unable to grow because they lack resources. In such HEIs, the students should pay at least 25% cost of their education. It will lessen the burden of the government.

A large number of students would like to pursue their higher education during their work life. They cannot afford to take leave and join a college. Digital education, therefore, should be promoted as much as possible. More HEIs should be allowed to offer digital higher education.

Universal higher education must become a shared dream of Central government, state governments, NGOs and HEIs. It is a worthy goal and should be achieved at any cost. Synergy among all stakeholders is necessary to meet this ambitious goal. If we work together and strategise innovatively, we can achieve universal higher education.

**Anup K Singh, PhD**

Director General

# News at a Glance

## Rankings

Institute of Technology, Nirma University was ranked highly by several organisations/ bodies during April 2018 to Sep 2018. Some of them include:

- The Institute is listed in the AAAA category amongst Engineering Institute in Gujarat as per the survey conducted by Careers 360 in 2018. (April 2018)
- The Institute Ranked 11<sup>th</sup> in Top Private T-Schools 2018 as per the DataQuest CMR T-School Survey 2018. (June 2018)
- The Institute Ranked 28<sup>th</sup> amongst Top Private Engineering Colleges (All India) as per survey conducted by The Week - Hansa Research Survey 2018. (June 2018)
- The Institute Ranked 11<sup>th</sup> in the Top 20 Private Colleges by Outlook Magazine 2018. (July 2018)
- The Institute Ranked 8<sup>th</sup> in Top Engineering Colleges of Super Excellence as per the survey of Competition Success Review-GHRDC Engineering Colleges Survey 2018. (July 2018)

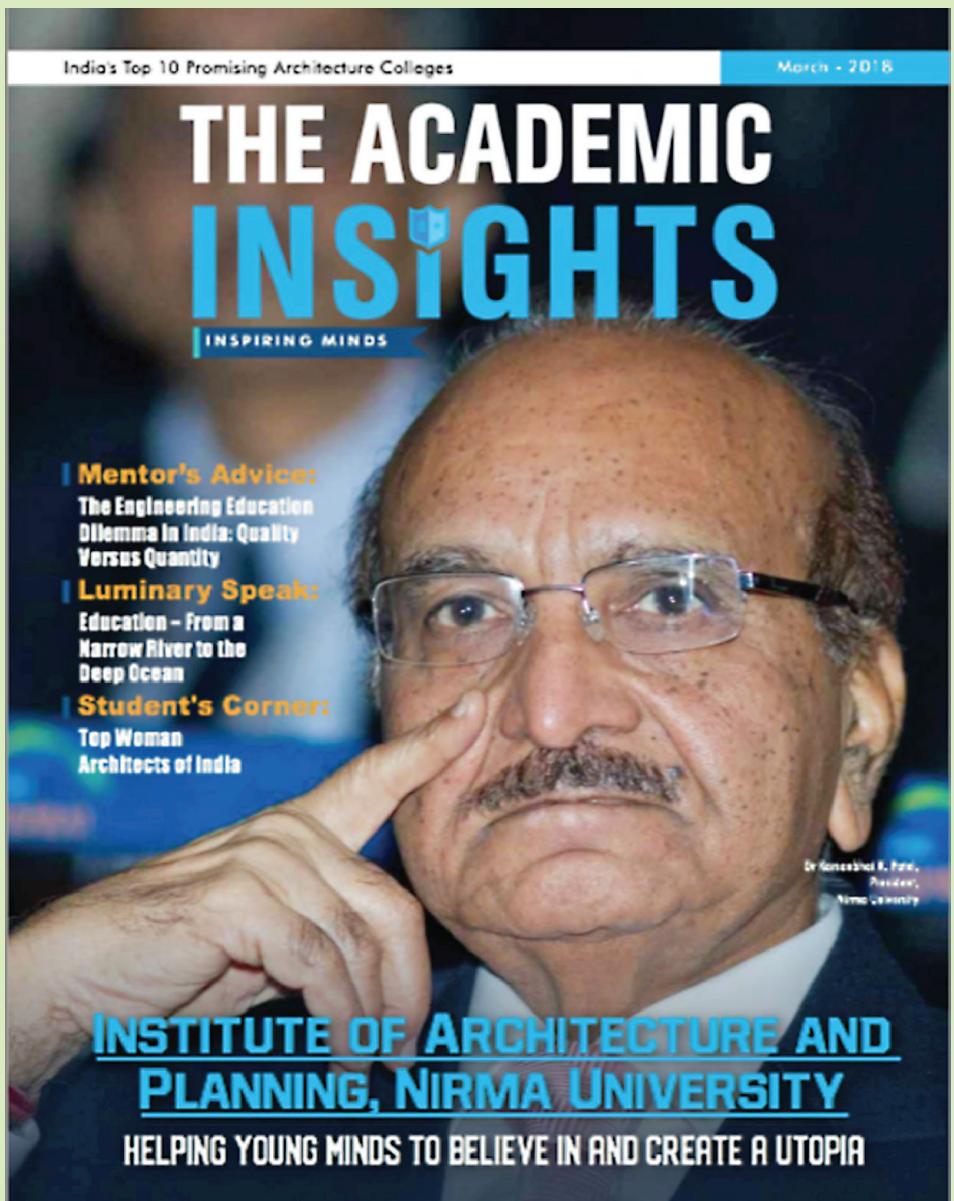
## Awards

### Excellence Award for Contribution in Social Justice and Legal Aid

The Legal Aid Clinic, Institute of Law, Nirma University received the Excellence Award for Contribution in Social Justice and Legal Aid from Knowledge Steez and Youth for Human Rights, India. The award was given at the 3<sup>rd</sup> National Conference on Human Rights and Gender Justice - 2018 held at the Indian Law Institute, New Delhi on June 23, 2018.

### Institute of Architecture and Planning featured in "The Academic Insights"

The March 2018 edition of the popular monthly magazine, "The Academics Insights", featured Institute of Architecture and Planning, Nirma University on its cover page. It showcased the institute's position as one of the best emerging architecture colleges of India.



## MoUs

### Memorandum of Understanding between NLSIU and ILNU

A Memorandum of Understanding was signed between National Law School of India University (NLSIU), Bangalore and Institute of Law, Nirma University on July 12, 2018. The MoU will encompass exchange of students and members of faculty as well as other academic activities, research and publications. They will also develop joint training and research programmes in a collaborative spirit.

**Institute of Pharmacy, Nirma University** has signed MoUs with foreign universities, the details of which include:

- Massachusetts College of Pharmacy and Health Science (MCPHS) University, Boston, USA and Institute of Pharmacy, Nirma University signed a MoU on Aug 20, 2018 agreeing to promote and develop a cooperative relationship by facilitating staff and student exchanges; exploring the possibility of joint collaborative research projects; exploring the possibility of joint PhD supervision; exchanging relevant information and academic publications, etc.
- Plovdiv University, Bulgaria and Institute of Pharmacy, Nirma University signed a MoU on June 1, 2018 to co-operate in the various areas of work like, plan and implement joint research projects; organize workshops, seminars and programmes on subjects of contemporary and mutual interest; exchange of students and teachers; reciprocal invitations of scholars for the purpose of talks, lectures and research; sharing of infrastructure facilities including laboratories, equipment's and library for research with mutual consent; and participate in research activities happening at either side with mutual consent and in common areas of interest.
- According to the MoU signed on May 3, 2018 between Changwon National University, South Korea and Nirma University, they will collaborate on areas, including exchange of students at bachelors or masters level, academic and administrative staff, short-term language and cultural programs, exchange of data, documentation, and research materials in fields of mutual interest; coordination of such activities as joint research, lectures, seminars, symposia; provision of briefing services by each institution for visitors from the other institution.

### Collaborations of Institute of Architecture and Planning

Institute of Architecture and Planning joined hands with foreign universities of France, Brazil and Italy; opening new areas of learning by signing MoUs and bringing opportunity of exchange programme for students and faculty members. This shall provide vital exposure to various cultures, lifestyles, and their influence on the architecture.

List of Collaborations with Foreign Universities include:

- Escola Da Cidade Sao Paulo, Brasil
- The Ecole Nathionale Superieure D'architecture De Nantes, France
- Ecole D'architecture De La Ville Et Des Territoires A Maorne -La- Valle, France
- Department Of Architecture and Design Politecnico Di Torino, Italy



# Innovative Initiatives

## Managing Social Projects (MSP)

The aim of this field course is to sensitize students of the MBA programme to social realities and concerns and make meaningful contributions to the ground level operations of social organisations. The course begins with an orientation seminar involving guest speakers from the social sector. This is followed by identification of partner organisations and visits to their premises for sensitization. Projects for the students are identified jointly with the partner organisations which are then implemented over the two semesters. A team of faculty coordinators is identified who mentor the students during their association with the organisations.

The field course on Managing Social Projects (MSP) started on Aug 1, 2018. During the orientation of MSP, eminent speakers like Ms. Avni Sethi from Conflictorium, Ahmedabad; Ms. Binal Patel and Mr. Rafi Malek from Childline India Foundation, Ahmedabad and Ms. Meena Patel from Solidarity Centre, Ahmedabad addressed the students on the importance of the course.



## Bonjour India Future Tour

Bonjour India Future Tour was an initiation to strengthen the partnership between India and France through education, training, research and innovation. The tour included interactions between scientists, academicians, companies and students from both the countries during Feb 24-25, 2018.

Institute of Architecture and Planning, Nirma University was a partner in hosting the two-day event. The theme was 'Smart cities: Urban Planning, Architecture and Design'.



## Related Study Programme

Related Study Programme, a significant tool to inculcate teaching-learning process beyond studio was held in Spain, Goa and Ahmedabad during June-July 2018. Students in Spain reviewed the contemporary architecture and works of Calatrava and Gaudi under the guidance of Prof. Foram Bhavsar and Prof. Jitendra Menghani. At Goa, the students studied the Portuguese architecture under the guidance of Prof. Pratima Singh and Prof. Sneha Ramani. Students in Ahmedabad learnt about embodied energy of building construction supported by Prof. Keyur Shah, Prof. Darshan Ajudia and Prof. Pratik.



# Guests on the Campus

- Dr Svetlana Brzev, Professor, British Columbia Institute of Technology, Canada and visiting faculty member, IIT Gandhinagar visited Civil Engineering Department of ITNU to witness Shock Table Test on Retrofitted Non-Engineered Building made up of AAC Block as a part of major project work of M. Tech. student Mr Sharad Senjalia on April 17, 2018.
- Judge Keith C Barnes, Circuit Court Judge, State of Utah, United States of America visited the Institute on May 28, 2018. Judge Keith interacted with the faculty members at the Institute and shared his thoughts on higher education.
- The founder director of Centre for Media and Design, New Delhi, Prof. Parthiv Shah was invited as the key note speaker to share his knowledge, insight and experiences blending the field of art, photography, media and design on Aug 31, 2018. It was a great opportunity for students to learn about creativities in different field of designs and use of photography in interactive moving images exhibitions.
- As part of Design Friday, Department of Design invited Mr. Nikunj Vakhani, an architect and a designer from CEPT University, Ahmedabad, to share his knowledge of ceramics and handmade paper and architecture on Sep 28, 2018. Mr. Vakhani is striving to create a parallel between his imagination and the world we live. Making it more design friendly, striking the right balance between skills, creativity, resources and efficiency.

## Expert Lectures

Expert	Topic	Institute	Date
Prof Dr C Raj Kumar, Vice Chancellor and Dean, O.P. Jindal Global University, Sonipat, Haryana	Combating Corruption: Challenges for Inclusive Development and Rule of Law	ILNU	April 7, 2018
Dr Shashikala Gurpur, Director, Symbiosis Law School, Pune	India and International Law: Contemporary Issues	ILNU	April 13, 2018
Mr Ajay Umat, Senior Editor, Navgujarat Samay; and Mr Shyam Parekh Director, Dew Media School	Contemporary Media: Developing Understanding in the Post Truth Era	ILNU	July 27, 2018
Dr Manoj Kumar Sinha, Director, Indian Law Institute	Law and Justice in Globalizing world	ILNU	Aug 7, 2018
Dr Usha Ramanathan, Advocate, Supreme Court of India	Democracy and Human Rights	ILNU	Aug 13, 2018
Dr Afzal Wani, Dean and Head, School of Law and Legal Studies, IP University, New Delhi	Research Methodology	ILNU	Aug 13, 2018
Dr M K Ramesh, Professor, Environmental Law, NLSIU Bangalore	Legal Framework on Biodiversity in India	ILNU	Aug 13, 2018

Dr Arghya Sengupta, Founder and Research Director, Vidhi Centre for Legal Policy, New Delhi; Mrs Anjali Bhardwaj Co-Convenor, National Campaign for People's Right to Information, New Delhi; Mr Srijan Pal Singh Founder, Kalam Foundation and Cyber Law Expert	Personal Data Protection Bill, 2018	ILNU	Aug 18, 2018
Prof Stephen Barnes, Assistant Dean, Graduate and International Programs, Penn State Law	US Constitution and Impeachment Powers	ILNU	Sep 11, 2018
Dr. Ranjana Harish, Former professor and head, Department of English, School of Languages, Gujarat University	Towards a Gender Sensitive Campus	ILNU	Sep 15, 2018
Mr. Asim Pandya, Advocate, High Court of Gujarat	Writ Jurisdiction of Supreme Court and High Court	ILNU	Sep 15, 2018
Ms. Dharmishta Raval, Advocate High Court of Gujarat	Securities Appellate Tribunal	ILNU	Sep 15, 2018
Shri Rajiv Bhatia, Distinguished Fellow, Gateway House, Mumbai and Former High Commissioner	Indian Foreign Policy: Confronting the 21st Century	ILNU	Sep 19, 2018
Dr Purvi Pokhriyal, Director and Dean, Institute of Law, Nirma University; Dr Jyotsna Yagnik, Clinical Professor of Law, ILNU and Retired Principal and District Judge and Arbitrator, Ahmedabad; Ms Nupur Sinha, Social Activist from Centre for Social Justice	Criminal Ordinance, 2018 and judgment on Section 377 of the Indian Penal Code, 1860	ILNU	Sep 20, 2018
Dr. Bipin Pandey, Director, Center of Excellence, Saurashtra University, Rajkot	Basics of Carbonyl Chemistry	IPNU	April 4, 2018
Dr. Chaitanya Bhatt, Director, YDIK Nature Care Products Pvt. Ltd., Ahmedabad	Standardization of Herbal Drugs: an Industrial Perspective	IPNU	April 12, 2018

Dr. Anupama Ramkumar, Director, Arkus Clinical Trial Support Solutions, Ahmedabad	Pharmacovigilance- beyond reporting ADRs	IPNU	April 18, 2018
Dr. V. R. Shah, Deputy Director, FDCA, Gujarat	Pharmaceutical Regulatory Scenario- A view point of FDCA	IPNU	April 20, 2018
Dr. Prinesh Patel, Mass Spectrometry Specialist, Waters India Pvt Ltd, Ahmedabad	Mass Spectrometry and Hyphenated Techniques and Chromatography- Basics and Applications	IPNU	April 21, 2018
Dr. Prerak Shah, Founder, Ayulink, Ahmedabad	Importance of Ayurveda in Healthcare system	IPNU	April 25, 2018
Dr. Ramesh Pennamareddy, AGM- Regulatory affairs, Amneal Pharmaceuticals, Ahmedabad	Regulations for dietary supplements in EU and USA	IPNU	April 26, 2018
Dr. Padma Rajagopalan, Director, Apara Analyticals, Bangalore	NIR spectroscopy for PAT	IPNU	April 27, 2018
Mr. Mohsin Arabian, Manager, Amneal Pharmaceuticals, Ahmedabad	Converting Research into Intellectual Property	IPNU	May 4, 2018
Ms. Dipa Mehta, Ex Senior Research Scientist, Intas Pharmaceuticals Ltd, Ahmedabad	European Regulatory Submission procedure	IPNU	Sep 4, 2018
Dr. Mukesh Gohel, Research Director, Anand Pharmacy College, Anand	Interpretation of Regression Analysis in factorial Design	IPNU	Aug 30, 2018
Dr. Sanjeev Kumar, Vice President, Biologics, Zydus Cadila Healthcare Pvt Ltd., Ahmedabad	Analytical tools used for bio similar therapeutics	IPNU	Sep 1, 2018
Mr. Rohit Jain, Regulatory Consultant, Sarjen Systems Pvt. Ltd., Ahmedabad	Tools and technologies used in eCTD	IPNU	Sep 18, 2018
Ms. Riddhi Doshi, Regulatory Consultant, Sarjen Systems Pvt. Ltd., Ahmedabad	Regulatory requirement for eCTD	IPNU	Sep 18, 2018
Mr. Tanmaya Jain, Founder & CEO, inFeedo, Gurgaon	Building the future using A.I. in HR	IMNU	June 29, 2018
Dr Kushal Sanghvi, Vice Chairman - India at I-Com Global, and Director at Apprify, Mumbai	Transforming businesses digitally - today and for tomorrow	IMNU	July 6, 2018
Mr. Manish Advani, Head (Change management & marketing), Mahindra SSG, Mumbai	Becoming a millionaire in the digital world	IMNU	July 13, 2018

Mr. Naveen Bachwani, Group Head - Customer Experience at Edelweiss Financial Services, Mumbai	Making the most of your MBA	IMNU	Aug 17, 2018
Dr. Ashish Chandra, Professor at University of Houston, Clear Lake, Houston, Texas	Understanding Strategies for Talent Management & Recruitment – Why is it Important for Graduate Business Students	IMNU	Aug 24, 2018
Mr. Upendra Namburi, Chief Innovation & Marketing Officer at Bharti AXA General Insurance, Mumbai	New management practices in the corporate world	IMNU	Aug 31, 2018
Ar. Jayesh Hariyani, INI Design Studio, Ahmedabad	Design for Life where life is in Association with the Environment & its Elements	IA&PNU	April 13, 2018
Mr. Amit Gupta, CGM, MEGA Ahmedabad	Transportation System	IA&PNU	April 13, 2018
Ar. Shirish Beri, Kolhapur, Maharashtra	Towards an Architecture of Goodness'	IA&PNU	Sep 12, 2018
RJ Janki, Red FM	Radio Journalism	IA&PNU	Aug 30, 2018
Dr. Rahul Chaudhari Post Doctoral Fellow, TIFR, Mumbai	Missing pieces of an ancient puzzle: Elucidation of multiple protein trafficking pathways to the apicoplast of Plasmodium falciparum	ISNU	April 5, 2018
Dr. Deepak Gour, Professor & Group Leader, Laboratory of Malaria & Vaccine Research, School of Biotechnology (SBT), Jawaharlal Nehru University, New Delhi	Elucidating the molecular basis of reticulocyte invasion by Plasmodium vivax and validating novel vaccine targets	ISNU	April 9, 2018
Dr. Govardhan Das, Special Center for Molecular Medicine, Jawaharlal Nehru University, New Delhi	Tuberculosis: An Ancient Disease with modern outlook	ISNU	Aug 30, 2018
Dr. Gaurishankar Sa, Bose Institute, Kolkata	Trends in Cancer Therapy: A journey from chemotherapy to immunotherapy	ISNU	July 4, 2018
Dr. K. Gopakumar, Professor, ESE, IISc Bengaluru	Design and Control of Multilevel Inverters for Drives and Grid Tied Applications; and High Resolution Multilevel Voltage Space Vector Structure Generation for Variable Frequency Drives and Grid Tied Applications	SoE, IT, NU	June 25, 2018
Dr. Ujjwal Kumar Kalla, Director, CERDC, Bikaner	Implementation of Single Phase Microgrid using Renewable Sources; Implementation of Twelve Pulse Battery Charging System; and Testing and Analysis of PWM AC Voltage Controllers	SoE, IT, NU	June 26, 2018

Dr. N. C. Sahoo, Professor, EE, IIT Bhubaneshwar	Experimental Determination of Electromagnetic Characteristics of Switched Reluctance Motor and various Practical Issues	SoE, IT, NU	June 27, 2018
Dr. Sujit Kumar Biswas, Retired Professor, EE, Jadavpur University, Kolkata	Practical Selection, Design & Interconnection of Passive Components for Power Electronic Systems; and Practical Design & Layout of Power Electronic Systems with Power Components	SoE, IT, NU	June 29, 2018
Dr. Bhim Singh, Professor, EE, IIT Delhi	Implementation and Control of Battery Backed Grid-Tied Inverters for Electric Vehicle Applications	SoE, IT, NU	July 2, 2018
Mr. Abhishek Desai Digicorp, Ahmedabad	Motivational Talk for Career Guidance	SoT, IT, NU	July 12, 2018
Mr. Dhaval Vasa, Einfochips, Ahmedabad	Current Trends in Computer Science & Engineering	SoT, IT, NU	July 12, 2018
Mr. Peeyush Upadhyay, Senior Vice President - HR and Admin, Gujarat Gas Limited, Ahmedabad	Recruiters expectations from students appearing in campus placements	SoE, IT, NU	Aug 3, 2018
Mr. Dipesh Patel, Co-founder & Chief Technical Officer, RapidOps, Ahmedabad	Current Trends in Agile Software Development Tools	SoT, IT, NU	Sep 4, 2018
Mr. Sanket Thakkar, Director, IConflux Technologies Pvt, Ahmedabad	Startup after MCA, a success story	SoT, IT, NU	Aug 8, 2018
Mr. Dhaval Vasa, Solution Architect, eInfochip, Ahmedabad	Digital Revolution	SoT, IT, NU	Aug 9, 2018
Mr. S. B. Mahajani, DGM, Amtech Electronics, Gandhinagar	Career Prospect in Electrical Engineering	SoE, IT, NU	July 17, 2018
Dr. Manohar Singh, Engineering Officer Grade-III, CPRI, Bengaluru	Current Perspectives, Challenges and Opportunities in Electrical Engineering Domain	SoE, IT, NU	July 27, 2018
Mr. B. K. Vaishya, Managing Director, Electrotherm Limited, Ahmedabad	Challenges and Solutions in Electric Vehicles Sector	SoE, IT, NU	July 27, 2018
Mr. Pravinchandra Mehta, Managing Director, Persotech Solutions, Baroda	Electrical Power Transmission Engineering and Design practices: Recent technological Development	SoE, IT, NU	July 31, 2018
Mr. Milind Dave, HR Manager, Adani Ltd., Ahmedabad	How to face interview: A Process	SoE, IT, NU	Sep 5, 2018
Mr. S. B. Mahajani, DGM, Amtech Electronics, Gandhinagar	Recent Trends in Power Electronics	SoE, IT, NU	Aug 13, 2018

Swami Avyayanandaji, Chinmaya Mission Ashram	Sure Success Mantras	SoT, IT, NU	April 11, 2018
Dr. Sanjiv Gupta, Professor, DAIICT, Gandhinagar	RF Mixer Design	SoT, IT, NU	April 21, 2018
Mr. Kanu C. Patel, Consultant for Power Plant Water System, Ahmedabad	Power plant Automation	SoT, IT, NU	Sep 10, 2018
Mr. Sanjay Raval, Motivational Speaker, Ahmedabad	Today's Success Mantra	SoE, IT, NU	April 6, 2018
Mr Amar Patel, Ex. Engineer, Caterpillar, USA	Utility of Energy Equation Solver software and Code development practices using C language	SoE, IT, NU	April 4, 2018
Mr. Bharat Patel, MD Waterman Industries Pvt. Ltd., Ahmedabad	Orienting towards Mechanical Engineering	SoE, IT, NU	July 12, 2018
Dr. P. M. George, Professor, ME Dept., BVM Engineering College, Vallabh Vidyanagar, Anand	Geometric dimensioning and Tolerancing	SoE, IT, NU	July 18, 2018
Mr. Rakesh Tiwari, Head, Operations, Essar Power, Jamnagar	Challenges and Future Role of Engineers in Indian Power sector, and practical aspects of a Thermal Power Plant	SoE, IT, NU	Sep 10, 2018
Mr. Vinod Bhatt, Ex- Head, R&D, Dresser Rand Group, Ahmedabad	Issues and case studies about reciprocating machinery in field	SoE, IT, NU	Sep 18, 2018
Dr. Paritosh Chaudhary, Group Head, Institute for Plasma Research, Gandhinagar	Joining techniques of plasma facing components for fusion application	SoE, IT, NU	Sep 27, 2018



# Events

## National Seminar on Recent Advances in Drug Discovery

Department of Pharmaceutical Chemistry, Institute of Pharmacy, Nirma University organized GUJCOST sponsored 5th National Seminar on "Recent Advances in Drug Discovery-2018" on Sep 28, 2018. Dr. Rajender Reddy Leeti, Head, Route Scouting and New Technology, Piramal Enterprises Limited, Ahmedabad was the chief guest on the occasion.

The seminar constituted of five plenary lectures by distinguished experts from industry and academia. Around 80 delegates from various Pharmacy and Science colleges attended the seminar and presented their research/review work through oral and poster presentations on the theme of drug design and discovery.



## All Gujarat Instrumentation and Control Engineers' Meet 2.0

The 2nd All Gujarat Instrumentation and Control Engineer's Meet was organized by International Society of Automation, Students' Chapter at the Institute of Technology, Nirma University on Sep 2, 2018. The purpose of this conclave was to unite the departments of instrumentation and control engineering of engineering institutes all over Gujarat. The meet brought together fourteen institutes of Gujarat offering Instrumentation and Control engineering on a common platform. The meet created a sense of togetherness bridging distances and bringing about cognizance and flow of expertise.

The Chief Guests for the event included, Shri. Ramani Iyer, Vice President of ISA, South Pacific District 14; Mr. Jagdish Shukla, ex- Vice President of ISA, South Pacific District 14 along with Dr. Alka Mahajan, Director, Institute of Technology, Nirma University; Dr. D.M. Adhyaru, Head of Department of Instrumentation and Control Engineering; Dr. H.K. Patel, Faculty Advisor of ISA Students' Chapter Nirma University and Ms. Shivani Sethi, President of ISA Students' Chapter Nirma University.



## 25<sup>th</sup> Convocation of Nirma University

Nirma University held its 25<sup>th</sup> Convocation Ceremony on April 24, 2018. 604 students were awarded degrees as part of the convocation. Shri Deepak Kumar Hota, Chairman & Managing Director, Bharat Earth Movers Ltd., Bangalore was the chief guest on this occasion. Dr. Karsanbhai K Patel, President of Nirma University, presided over the function.

On this occasion, degrees were conferred to 22 Ph.D. students, 252 MBA students (Full Time), 49 MBA students (Family Business & Entrepreneurship), 48 Five-Year BBA-MBA Integrated students, 1 BBA student, 105 B.A. LL.B. students (Hons.), 57 B.Com. L.L.B. students (Hons.), 55 BBA L.L.B. students (Hons.), 3 Master of Law (LL.M), 4 B. Tech. students, 1 Diploma student, 3 M. Tech. students, and 4 M.Sc. students.

Special awards were given to outstanding and dedicated students of Nirma University as an appreciation of their hard work. A total of 24 scholastic medals were awarded across various categories.



25<sup>th</sup> Convocation of Nirma University

## Anvesh -14<sup>th</sup> Doctoral Research Conference

Anvesh-2018, the 14<sup>th</sup> Doctoral Research Conference was organized by IMNU on April 6 and 7, 2018. The chief guest of the Inaugural ceremony was Dr. D. M. Pestonjee, ex-professor, IIMA and currently working in Pandit Deendayal Petroleum University, Gandhinagar. Two books "Research Frontiers in Finance and General Management" and "Research Frontiers in Human Resource Management and Marketing Management" were released during the session. The conference received 88 abstracts from all over the country and 52 research papers. The conference had 2 workshops, 8 track sessions with 49 presentations and 2 research clinics.

The conference concluded with the valedictory address by Dr. R. J. Mody, former director, Sardar Patel Institute of Economic and Social Research, Ahmedabad.



The inaugural ceremony of Anvesh 2018

# Inauguration and Induction of MBA-FT 2018-2020 Batch

On June 20, 2018, IMNU welcomed its 23rd batch of MBA full time programme for the academic year 2018-20. Mr. Prem Singh, President - Global HR, Wockhardt Ltd. presided as the chief guest. The week long induction followed the inauguration of the programme which included activities like interaction with faculty and staff of IMNU, micro-lab, alumni talk and introduction to library, various students' activities, clubs and committees. The students were also briefed about the MBA course curriculum and the pedagogy that would be followed.



## Orientation Programme for MCA

Orientation program for MCA was scheduled during Aug 6-9, 2018. Sessions related to Academic rules and regulations, Awareness for Anti-ragging rules at Nirma University, Introduction to Idea lab, Career opportunities through campus placement, Awareness for activities of Association of MCA students club and SAE Nirma Collegiate Club, Motivation and guidance for choosing career and opting for start-up, and Introduction to digital revolution were conducted. Visit to campus and library was also scheduled for the participants.

## Utkrishta 2018: The Management Conclave

Utkrishta 2018, the Management Conclave of Institute of Management, Nirma University, was organized during Aug 9-10, 2018 by four clubs of IMNU namely: Niche - the Marketing Club, Imprintz - the HR Club, Optimus - the Operations Club and Finesse - the Finance Club. The Conclave commenced with the theme, "Contemporary Business Management Practices: Opportunities and Challenges".

The inaugural address was delivered by Mr. Sameer Desai, Chief Strategy Officer, Brand Launch Centre & CEO, Seagull Branding & Advertising Services. Other speakers included, Mr. Narayanan K. S., Independent Advisor in the Food and Beverages Industry; Mr. K Aayush Mazumdar, CMO at MeraEvents; Ms. Manisha Kelkar, Head Corporate HR, Nuvoco Vistas Corp. Ltd.; Mr. Manikandan Murugesan, Head India Supplier Quality and Zero Defects Program, Supply Chain, Civil Aerospace Operations, Rolls Royce India Pvt. Ltd.; Mr. Bhanu Pratap Singh, National Head - Buying and Merchandising, Reliance Retail Ltd; Mr. Muralidhar Pundla, Director-Quality, Akshaya Patra Foundation; Mr. Anil Patel, Sanand Plant Head, Ford Motor Company; Mr. Ritesh Chavan, Co-founder of The Money Roller; Mr. Mitesh Desai, Vice President at Mizuho Bank; Mr. Apoorva Vora, Founder and CEO at Finolutions Wealthcare LLP.

The valedictory session was addressed by Mr. Pratik Modi, Senior Director (Head of Technology India), S & P Global. His session was based on 'Artificial Intelligence & Robot Based Intelligence'.



## Orientation Programme at Department of Design

The orientation programme for the new entrants of Department of Design was held from Aug 1-4, 2018. On Aug 2, 2018 Prof Vikas Satwaleker, an eminent graphic designer and the former Director of the National Institute of Design gave the key note address which was attended by the students, their parents and invitees. Prof Satwaleker spoke about the values and ethics of design practice and the qualities that the young student should inculcate as design professionals. He also had an interactive session with the students of communication design and made a presentation on the design pedagogy of teaching colour and his large scale work as murals for institutions.

On the third day of the Orientation Programme, Mr Suresh Eriyat, an eminent Animation designer was invited. His work with tourism industries and the work done for major corporate world inspired the students.

The fourth day culminated with presentation and talk by Prof Rashmi Korjan, an industrial designer and an academician. She presented the industrial design works of the design firm Studio Korjan of which she is a partner. She also talked about the sustainability and environment issues that needs to be kept in mind while designing products.



## Inauguration and Induction of MBA-FB&E 2018-2020 Batch

The Inaugural-cum-Induction programme for the MBA (Family Business & Entrepreneurship), Batch: 2018-20 was organized between June 28 to 30, 2018 at the Institute of Management, Nirma University, Ahmedabad. During the inaugural ceremony, Dr. M. Mallikarjun, Director, IMNU while welcoming the new batch of MBA students laid stress on the discipline, culture and uniqueness of the programme. Mr. K. Thyagarajan Iyer, Founding Member & Board of Director, Icreate was the chief guest. Sessions on Micro-Lab, teaching-learning pedagogy, library and computer lab resources, importance of reading business news, awareness about plagiarism, gender sensitization and equal opportunity, business planning and opportunities for MSMEs, importance of MBA education for becoming successful family business manager, and importance of students' clubs and activities were conducted by IMNU faculty members as part of the induction programme.

## Orientation Programme of Institute of Commerce

Institute of Commerce, Nirma University oriented its second and third year students on July 2, 2018. CA Aniket S. Talati, Partner – Talati and Talati, Chartered Accountants and Secretary – WIRC of the Institute of Chartered Accountants of India graced the occasion as chief guest. CA Aniket S. Talati enlightened students on the future prospects and opportunities for commerce graduates including those as Chartered Accountants, ACCAs, CIMAs and BFSI professionals, among others.

## Foundation Day of ILNU

Institute of Law, Nirma University organized its foundation day on Aug 18, 2018. It played host to various activities like formal felicitation, panel discussion, blood donation, poster making, face painting, sports, drama, dance and photography competitions. The chief guest for this event was Hon'ble Mr Justice N V Anjaria, Judge, High Court of Gujarat and guest of honor were Shri D P Chhaya, Honorary Advisor, Nirma University and Shri K K Patel, Vice President, Nirma University.



## Orientation Programme for the 12<sup>th</sup> ILNU Batch

A two week orientation program for the 12th ILNU batch of the undergraduate programme (Batch 2018) of BA LLB (Hons) and B Com LLB (Hons) was organized from July 12, 2018. The inaugural function of the programme was presided over by Hon'ble Mr Justice C K Thakker, Judge (Retd), Supreme Court of India. The guests of honor for the inaugural function were Dr R Venkata Rao, Vice Chancellor, National Law School of India University (NLSIU), Bangalore; and Shri K K Patel, Vice President, Nirma University. Dr Jyotsna Yagnik, former Principal Judge, City Civil and Sessions Court delivered a keynote address at the inaugural session. Parents and guardians of the students were also present on this occasion.

## Orientation Programme of Institute of Pharmacy

Institute of Pharmacy organized the Orientation Programme for the new entrants of MPharm during July 18-24, 2018. Dr Ketan R. Patel, Chairman & Managing Director, Troikaa Pharmaceuticals Ltd. was the chief guest. Eminent personalities of pharmacy profession delivered lectures on different aspects of the pharmacy field. Prof Saranjit Singh (NIPER, Mohali), Prof Nand Kishore (IIT Mumbai), Prof Krishna Iyer (BCP, Mumbai), Dr Bipin Pandey (Saurashtra University, Rajkot), Dr M T Chhabria (L.M.C.P., Ahmedabad), Dr Ashok Omrey (Ideal Cures Pvt Ltd., Mumbai), Dr Shivprakash Rathnam (Synchron Research Pvt Ltd., Ahmedabad) and Dr Anupama Ramkumar (Arkus Clinical Trial Support, Ahmedabad) interacted with the students during the orientation programme.

A session on confidence building and controlling the mind was delivered by Mr Vincent Vaz (Counsellor, Ahmedabad) and Shri Dharmaputra Dasa (Devotee, Harekrishna Mission, Ahmedabad). In-house lectures on examination & time table, attendance, placement, library, website, anti-ragging, woman development cell and other activities were also organized.

## Foundation Day of ISNU

On the occasion of the 14<sup>th</sup> Foundation Day of Institute of Science, Nirma University Prof. Padmnabhan Balaram, Padmshree & Padma Bhushan awardee, former Director of Indian Institute of Science, Bangalore, delivered a public lecture on Sep 6, 2018.

On this occasion, Dr. Anup K. Singh, Director General of Nirma University and Prof. Sarat Dalai, Director of Institute of Science addressed the audience. The event was attended by students and faculty members of all Nirma institutes, scientists from IITGN, ISRO, IIAR, Zydus Research Center, other academic institutes, and managing trustee of Nisarg Community Science Center, Gandhinagar.



## Faculty Refresher Programme

In order to promote research culture and dissemination of research related tools, methods and acumen, a Refresher Programme for faculty members of the Institute of Law was conducted during June 25 to July 7, 2018. The two week refresher programme titled 'Art and Science of Thinking and Research: Augmenting Interdisciplinary Approach in ICT Era' was organized by Institute of Law under the aegis of Centre of Quality Assurance and Academic Development (CQAAD), Nirma University. With a total learning / training of 72 hours, the programme invited scholars, practitioners, technocrats, ICT experts and researchers from institutions such as Jawaharlal Nehru University, Tata Institute of Social Sciences, Gujarat Institute of Development Studies, MS University Baroda, Indian Law Institute Delhi, IP University Delhi, to name a few. Constituent Institutes on campus such as Institute of Technology, Institute of Pharmacy also provided expertise and resource persons in various aspects of inter-disciplinary aspects of developments in research process. At the completion of the programme, faculty team was able to identify their thrust areas, research methods, ICT tools, statistical methods and various research methodologies.



## Seminar on Legal Education in India and Career Prospects in Law

An open house Seminar on Legal Education in India and Career Prospects in Law was organized by the Institute of Law on May 23, 2018.



## Workshops

- Institute of Law, Nirma University organized a workshop on "Skill Lab – Creativity and Critical Thinking" for its faculty members during Sep 25-26, 2018. The workshop was presided over by Prof Jen Berg, Founder, Responsibility Rogue, LLC, Portland, Oregon.
- Workshop on "Critical thinking, creativity and communication skills" by Ms Jennifer Elizabeth Berg, Creativity coach, trainer and facilitator based in Portland, Oregon, USA on Sep 25-26, 2018 was organised at ILNU.
- The Department of Pharmacognosy, Institute of Pharmacy organized a workshop on "Neuropharmacological Evaluation of Drugs: Application of Stereotaxic Surgery and Behavioral Assessment" under the aegis of Centre for Continuing Education, Nirma University. Dr Vinod Tiwari, Asst. Professor, IIT BHU was the distinguished speaker who delivered lecture related to Stereotaxic surgery. Prof Rakesh Raval, Head, Dept. of Life Sciences, Gujarat University was also the guest in the inaugural programme. Dr Niyati Acharya, Head, Dept. of Pharmacognosy delivered a talk on "Experimental screening models for Alzheimer's disease." Demonstrations on stereotaxic surgery and behavioural assessment methods for rodents were also given.
- Half day workshop on "State Urbanisation Policy" was organized by Institute of Pharmacy in collaboration with ITPI, Gujarat Chapter on April 28, 2018 in Ahmedabad.
- Half day workshop on "Impact of Development Control Regulations on Urban Form" was organized by Institute of Pharmacy in collaboration with ITPI, Gujarat Chapter on Aug 11, 2018 in Vadodara.

## Talk on Legal Research

A talk on Legal Research for the students of Semester II was conducted at the Institute of Law on April 5, 2018. The talk was delivered by Dr Akil Saiyed, Professor and Dean Faculty of Law, Parul University, Vadodara.



## Workshop on Employability Skills

Institute of Commerce in association with All India Management Association (AIMA) conducted a four day workshop on "Employability Skills" for the graduating batch of BCom Honours during Sep 26-29, 2018.

Mr. Anil Chopra, a professional and an alumni of Indian Institute of Technology, Delhi and Indian Institute of Management, Ahmedabad enlightened students on interview skills by conducting mock interviews.

Mr. Vinay Sharma, a professional with experience as HR Head in diverse companies in India and abroad, and corporate trainer discussed with students the significance of behavioral skills and telephone & email etiquettes.



## 8<sup>th</sup> ILNU National Moot Court Competition

Institute of Law, Nirma University in association with the Competition Commission of India and SCC Online organized its 8<sup>th</sup> National Moot Court Competition during Aug 31 to Sep 2, 2018. Over 20 teams from law schools across the country participated in the event. Symbiosis Law School, Noida was adjudged as the winners. The runner-up team was from Sastra University Tamil Nadu.



## Certificate Courses by Institute of Law

- Certificate course on Legal Research and Writing on July 30, 2018. The course was presided over by Prof Gopal Balachandran, Director, Legal English Certificate Program and Adjunct Professor, Penn State Law, USA.
- Certificate course on International Business Transaction from Sep 10 - Oct 10, 2018. The course was presided over by Prof William F Fox, Former Dean and Professor of Law, Columbus School of Law, USA.
- Certificate course on 'Case' to 'Case Plus' Method: A New Pedagogy during Sep 10-12, 2018. The course was presided over by Prof Shannad Basheer, Founder IDIA/Spicy IP/P-PIL, Honorary Research Chair Professor of IP Law, Nirma University and visiting Professor of Law, National Law School, Bangalore.
- Certificate course on Skill Lab – Critical Thinking and Decision Making during Sep 10- 30, 2018. The course was presided over by Prof Jen Berg, Founder, Responsibility Rogue, LLC, Portland, Oregon.



## Continuing Education Programme 2018

Institute of Pharmacy, Nirma University organized PCI sponsored Continuing Education Programme for Pharmacy Teachers on "Teaching Learning Processes and Innovative Pedagogical Tools in Pharmaceutical Sciences" during Sep 24-26, 2018. Prof. Navin Sheth, Vice Chancellor, Gujarat Technological University was the chief guest on this occasion.



## Hands on training on formulation development and characterization of nano drug delivery systems

Hands on training on formulation development and characterization of nano drug delivery systems was organized on Sep 29, 2018 by Department of Pharmaceutics, Institute of Pharmacy, Nirma University under the aegis of Centre for Continuing education. The program was inaugurated by Dr. P G. Shrotriya, CEO, Elite Consultancy Services. Dr. Manju Mishra, faculty, NIPER, Ahmedabad and Dr. Tejal Mehta, Professor and Head, delivered expert talks on this occasion. It was followed by a Poster competition, and demonstration of various equipments like high speed homogenizer, high pressure homogenizer and particle size analyzer. Around 75 students attended the event.



## National Students' Conference

Centre for Human Rights Law, Institute of Law, Nirma University organized the 7<sup>th</sup> edition of its annual flagship event – National Students' Conference on International Humanitarian and Refugees Law in association with the International Committee of Red Cross and United Nations High Commissioner of Refugees on Aug 8, 2018. The chief guest of the conference was Mr Manoj Kumar, Director, Indian Law Institute and the guest of honor was Prof Nagendra Singh, Professor Emeritus, Maharshi Law School.



## Open House Seminar

An Open House Seminar 2018 on "Career Prospects in Pharmacy" for BPharm and MPharm aspirants was organized at Institute of Pharmacy, Nirma University on May 11, 2018. Dr Manjunath Ghate briefed about the university and the institute. Dr. Dhaivat Parikh gave a detailed presentation related to prospects of pharmaceutical education. The session was open for discussion and answering any queries of the students. Institute visit was also conducted for the participants. The programme ended with feedback and interactive lunch.





Trends like online community, crowd sourcing, gamification and virtual life have emerged due to wide prevalence of internet and social media platforms. Organisations can gain ideas on new product ideas, design of new products, or any problems or issues faced by them by building and sustaining online community. Crowd sourcing influences the manner in which organisations recruits new employees, the manner in which people finance new businesses or new causes by making small affordable contributions. Majority of us are attracted to online games. The logic of gaming is applied to different domains like business organisations where the task to be performed is converted into a game with part of them represented as levels of the game. Research on issues and cases related to online community, crowd-sourcing, gamification and virtual life can provide vital information on value created for businesses.

## Research Trends in Management Research

**Prof Jayesh Aagja**

**Associate Professor, Institute of Management, Nirma University**

New age companies like Google, Facebook and Twitter have grown big in a short period of time compared to conventional companies like Ford and Reliance. There is a need for examining effects of big technology companies like Google, Facebook and Twitter as data are perceived to be emerging to be the "oil" of the present times. Research on issues related to data privacy and regulation of such big companies are relevant. As new technology companies have novel ways to dominate the market, a research to re-examine provisions of competition act has become a need for present times, as current provisions were for conventional companies and not for new age companies like Google.

There is a shift from ownership to getting the product or service to rent as evident from Ola and Uber business models in transport sector. There is a spurt in sharing economy across the world. It has provided transparent and convenient service to customers. Research on challenges related to such changes can provide input to organisations managing such services.

Business organisations seems to be realising that value is created by the consumer, one who consumes the product; who might be a different individual from the customer, one who buys the product from the organisation. Thus the young child in the family, who consumes the products like books and toys that are bought by a parent, will create value. Similarly, in a business- to- business context, the employee who uses the product rather than the procurement manager who purchases that product will create value. Organisations need information on value that can be generated, across different stages of the consumer's journey rather than the customer's journey.

Artificial Intelligence is evolving to make far-reaching impact in the world of management. It will have an impact in the ways people connect to other people, the way they manage their relationships with them, and will change the nature of day-to-day work of the management profession. Management research can offer interesting insights on such issues. The nature of management research is changing due to availability of data in the form of interactions on Facebook and Twitter and search terms used by people on various search engines as compared to conventional research where data were generated through surveys and observation until date. Netnography, Sentiment analysis and Text Mining offers new insights by processing such data.



# Research and Development

## Project Grants

- BRNS Major Research Project "Optimizing Parallelization of Legacy Code on appropriate HPC". Amount of project is Rs.12,23,550/-. Duration of the project is April 2018 to March 2020. Principal investigator is Dr. Madhuri Bhavsar.
- DST Major Research Project "Proactive solution for achieving trust in cloud computing using machine learning approach". Amount of project is Rs.25,00,000/-. Duration of the project is April 2018 to March 2020. Principal investigator is Dr. Madhuri Bhavsar.
- Exploring non-equilibrium atmospheric plasma for effective sterilization including biological safety aspects funded by BRNS-DAE of sanctioned amount Rs 20.7825/- lacs for the duration April 2018 to March 2020. Dr. Shital Butani (PI), Dr. Priti Mehta and Dr. Snehal Patel (Co-PI) from Institute of Pharmacy, Nirma University.

# Extension Activities

## NSS Camp

Nirma University has been a part of NSS since a very long time and every year sends a group of students to an adopted village for developing and serving the village. The NSS (National Service Scheme) unit of Institute of Pharmacy, Nirma University arranged a seven days residential camp at Jaspur village, Gandhinagar to perform various Social Extension Activities under which a total of 25 NSS volunteers went to Jaspur village during Sep 20-26, 2018 along with programme officers, Dr. Mohit Shah and Ms. Seema Ahire. The volunteers conducted training sessions on a wide array of activities like children's education, and English speaking training. Drawing competition, and garba were also organized. Further, the volunteers performed Cleanliness drive under Swacch Bharat Abhiyan and a skit based on 'Beti-Bachao, Beti-Padhao' mission. They also conducted a survey based on Unnat Bharat Abhiyan under which various government schemes such as PM Jan Dhan Yojana, Sukanya Samridhi Yojana, Jan Aushadi Yojana were discussed with the villagers for their betterment.

The NSS unit of Institute of Commerce, Nirma University organized a one-day camp in the adopted village Tarapur on Sep 15, 2018. The visit gave an insight about the socio-economic conditions of the villagers. The survey conducted by the students made them cognizant with the fact that even though most of the villagers fall under the BPL, and are deprived of the various amenities, they do not avail the various government schemes.



## AutoCalypse

AutoCalypse, an automobile workshop along with a robotic workshop RoboCalypse for school students, is an extension activity organized by Mechanical Engineering Department of ITNU. The event is coordinated by Mechanical Engineering Students' Association (MESA) in association with Nirma SAE Club (for Automobile) and Team Nirma Robocon (for Robotics). This year the event was held during Sep 1 – 2, 2018 where a total of 206 students from 15 schools participated in the event.



## Social Initiative

An exhibition and sale of rakhi made by the special children was hosted at ISNU to which the Student Association members and faculty coordinators responded warmly. The team of BM Institute of Mental Health comprising of 3 faculty members and 15 specially abled children visited ISNU on Aug 18, 2018. They were happy to see the response by the students and sale of rakhi worth more than Rs 4000/- .

## Plantation drive

Students of Institute of Pharmacy organized a plantation drive on July 28, 2018 at Lakulish Yoga University, Sola, Ahmedabad under the banner of NIPSAA where around 70 students participated and planted 170 saplings. RJ Aditi was invited as a chief guest to be a part of this social cause. NSS volunteers, faculty members from NIPSAA advisory board as well as other faculties from IPNU also actively participated in the drive.



## Furniture Donation

IAPNU Students as part of the Furniture Design Course visited schools of 'Manav Sadhna', Ahmedabad and assessed their furniture requirement. They designed and made furniture pieces that included study tables, bookracks, and shoe racks. The entire batch produced 75 wooden furniture pieces and donated it to schools of Manav Sadhna on Sep 20, 2018.



## Van Mahotsav

On the occasion of Independence day, the NSS unit of Institute of Commerce of Nirma University organized "Van Mahotsav", a tree plantation drive in the University Campus on Aug 15, 2018. Students planted the saplings of Neem (Azadirachta Indica), Banyan, and Ashoka (Saraca Asoca), etc. in the campus.



## Other Activities

- As a part of Unnat Bharat Abhyaan, Institute of Technology has adopted the village Motipur, Gandhinagar for 3 years. The institute will work on the progress of the village for the next three years.
- Under the social extension activity, MPharm Semester IV students performed hygiene awareness programme at the Food Court and NIM canteen, Nirma University on April 10, 2018.
- MPharm Semester IV students carried out cleanliness activity on April 21, 2018 at slum area near Nirma University.
- The students of BPharm Semester V conducted cleanliness drive at Jaspur village, adopted by Institute of Pharmacy, Nirma University and made people aware about importance of cleanliness for better health and hygiene on Aug 23, 2018.
- Students of BPharm Semester V visited Jaspur Primary school and interacted with the kids on Sep 6, 2018 as a part of NSS activities.
- The students of second semester, BArch (Batch 2017) went to government schools in Juhapura, Ahmedabad and interacted with the kids. They, along with the kids, painted the walls of the school.



# Industry Interface

## Testing work undertaken at ITNU

Institute	Title of Testing	Organisation	Date
SOE, IT, NU	Thermal Conductivity	Keltech Energies Ltd, Ahmedabad	May 2018
SOE, IT, NU	Thermal Conductivity	Rivashaa Eco Design Solution P. Ltd., Ahmedabad	May 2018
SOE, IT, NU	Thermal Conductivity	Amol Dicalite Ltd., Ahmedabad	June 2018
SOE, IT, NU	Thermal Conductivity, compressive, water vapour, dimensional stability, horizontal burning	Sintex Industries Ltd., Ahmedabad	July 2018
SOE, IT, NU	Thermal Conductivity	Amol Dicalite Ltd., Ahmedabad	July 2018
SOE, IT, NU	Thermal Conductivity, compressive, water vapour, temperature drop	Rivashaa Eco Design Solution P. Ltd., Ahmedabad	July 2018
SOE, IT, NU	Density	Gujarat State Electricity Corporation (WTPS), Vanakbori	July 2018
SOE, IT, NU	Thermal Conductivity	Keltech Energies Ltd, Bangalore	Aug 2018

## Consultancy Work Undertaken

Sr. No.	Principal Coordinator	Details of Consultancy work	Agency	Amount (in Rs)
1	Dr. U. V. Dave, Prof. Sonal Thakkar	Evaluation of properties of polymer repair mortar	Dimple Chemicals Pvt. Ltd., Pune	50,000/-
2	Dr. P. V. Patel, Dr. S. P. Purohit	Evaluation of rock wool resin bonded slab exposed to fire loading	Polybond Insulation Pvt. Ltd. Ahmedabad	12,000/-
3	Dr. P. V. Patel, Dr. S. P. Purohit	Evaluation of brick masonry prism	Bhoomi Consultants Pvt. Ltd. Ahmedabad	25,000/-
4	Dr. U. V. Dave, Prof. S. P. Thakkar	Concrete Mix Design	Shrine Engineering Pvt. Ltd. Ahmedabad	25,000/-
5	Prof. H. A. Dalwadi and Team	Environmental Audit	Kalol GIDC Industries Association (CETP), Care BMW Incineration, The Narol Dye Stuff Enviro Society, Aculife Healthcare Private Limited, Society for Clean Earth, Associated Dyestuff Pvt. Ltd. Ahmedabad	12,48,440/-

- Dr Vijay Ukani and Prof Ajaykumar Patel conducted a 6 days Consultancy Training Programme on "Python Programming" for the Engineers of SAC (ISRO), Ahmedabad during Aug 23-29, 2018.
- Dr. S. C. Vora, Dr. A. A. Nimje and Prof. C. R. Mehta conducted a 2 day Consultancy Training Programme on "Power System Protection and Substation Equipment" for the Engineers of NUVOCO Vistas Corp. Ltd., Mumbai during July 25-26, 2018. The training was imparted at NUVOCO Plant - Chittor Cement Plant at Chittorgarh, Rajasthan.

## India-UK RESIDE Project

Institute of Architecture and Planning is among one of the institutes that has been awarded the India-UK RESIDE (Residential building energy demand reduction in India) project in Feb 2018. The Department of Science and Technology (DST) and the UK's Engineering and Physical Sciences Research Council (EPSRC) have funded this project. The institute will conduct studies and propose policy level interventions in the sector.

## Academic Development and Research Cell

### Faculty Induction Training Programme for newly recruited faculty members of Nirma University (May 28, 2018 to June 22, 2018)

Centre for Quality Assurance & Academic Development (CQAAD), Nirma University organized its 4<sup>th</sup> Faculty Induction Training Programme. It was a four week long programme starting from May 28, 2018 to June 22, 2018. Thirty six faculty members from the different constituent Institutes under Nirma University participated in the Induction Training Programme. The induction programme was inaugurated on May 28, 2018 in the presence of Dr. A. R. Jani, Director, Sophisticated Instrumentation Centre for Applied Research & Testing (SICART), Sardar Patel Centre for Science and Technology. The valedictory function of the programme was held on June 23, 2018 in the presence of Prof. Rajnish Jain, Secretary, University Grants Commission (UGC), New Delhi.



Dignitaries lightening the lamp during the inauguration of 4<sup>th</sup> Faculty Induction Training Programme

### Plasma and Fusion Research Committee (PFRC) Vision Meeting

The Directorate of Research & Innovation (DRI), Nirma University and the Institute for Plasma Research (IPR) jointly organized a three-day meeting of the Project Investigators / Collaborators and the Experts in the field of Plasma, Fusion Science, Fusion Technology and Allied Areas. The meeting was organized at the Nirma University campus during April 26-28, 2018. It was a special event to commemorate ten years of National Fusion Programme and the Research and Development activities funded under the Board of Research in Fusion Science & Technology (BRFST). The meeting was attended by 150 participants from Research organizations, Industries, Government organizations, Academic institutions (including IITs, NITs and other reputed institutions) across different parts of India.



Participants of Plasma and Fusion Research Committee (PFRC) Vision Meeting

## STTP/Refresher Programmes/Faculty Development Programmes organized by Institutes under the aegis of CQAAD (April 2018 to July 2018)

Institute	Title of Course	Date/s	Programme Coordinator	No. of Participants
Institute of Technology	Hands - on - Experience in Advanced Laboratory practices in Electrical Engineering	June 25-July 7, 2018	Dr. Siddharthsingh K. Chauhan	22
	STTP on wheels: Industrial Automation	June 25-July 7, 2018	Dr. J B Patel	20
	Advances in Thermal Fluid Science	June 19-30, 2018	Dr. A M Lakdawala	19
	Models of Computation Verification and Validation	June 25-July 07, 2018	Dr. Zunnun Narmawala	30
	Current Trends in Sustainable Infrastructure Development	June 2-15, 2018	Dr. Parul Patel	20
Institute of Management	Case Method for Effective Management Education	April 16-30, 2018	Dr. P. K. Chugan	28
Institute of Pharmacy and Institute of Science	Innovations and New Techniques for the Treatment of Cancer, Diabetes & Neurodegenerative Diseases	June 30 – July 13, 2018	Dr. Tejal Mehta	23
Institute of Law	Art and Science of Thinking and Research	June 25-July 7, 2018	Dr. Tarkesh Molia	22

## Research Orientation Programme for the Faculty Members

The Directorate of Research and Innovation, Nirma University organized its 5th Research Orientation Programme during June 4-16, 2018. Twenty two faculty members from the different constituent Institutes under Nirma University participated in the Research Orientation Programme. Shri Virender Kumar, Director, Development and Educational Communication Unit (DECU), Indian Space Research Organization, Ahmedabad was the chief guest of the inaugural function. During the final phase of the programme from June 19 to Aug 19, 2018, the participants worked with assigned mentors for Major/Minor research project proposal for submission to funding agency, writing review/research paper on their research front, drafting Ph.D. research proposal etc. depending upon whether they have completed their Ph.D., pursuing their Ph.D. or planning to join Ph.D.



## Seminar on Research Skill Development

IEEE Student Branch, and Directorate of Research & Innovation (DRI), Nirma University organized a seminar on "Research Skill Development" for the undergraduate students of Nirma University. The seminar was attended by 160 students from the constituent Institutes of Nirma University. There were talks on "Recipe of Becoming a Researcher" and "Art of Writing Research Papers and Report" by Dr. Dhaval Pujara. During the session on "ICT Tools for Research" by Dr. Santosh Vora and Dr. Sachin Gajjar, the students were made aware of usage of Scopus, Mendely, Turnitin, Research Gate, and other ICT tools for Research. The seminar was organised on Aug 23, Aug 30 - 31, 2018.

## Poster Presentation by PhD Scholars

A Poster Presentation for the Ph.D. scholars registered with Institutes of Pharmacy, Science, Architecture and Law under Nirma University was organized on Sep 1, 2018. A total of 50 posters were presented during the event. The second phase of Poster Presentations for Ph. D. scholars registered with Institutes of Technology and Management was organized on Sep 15, 2018. A total of 60 posters from the fields of Engineering, Technology and Management were presented. The Director General, Directors of constituent Institutes of Nirma University, faculty members and students interacted with the participating doctoral students.



Dr. Anup Singh, Director General, Nirma University interacting with the PhD Scholars during Poster Presentation Event

## Two-Day National Symposium on Innovations in Cancer Research: Translating 'OMICS' to Therapeutics

The Directorate of Research and Innovation (DRI), Nirma University organized a two-day National Symposium on "Innovations in Cancer Research : Targeting 'OMICS' to Therapeutics", during Sep 14-15, 2018. The symposium was sponsored by the Science Engineering Research Board (SERB), Department of Science and Technology, Government of India and the Gujarat Council of Science & Technology (GUJCOST), Government of Gujarat. A total of 130 participants attended the symposium. The participants were from The Gujarat Cancer Research Institute; Indian Institute of Technology, Gandhinagar; Gujarat University; Ahmedabad University; B. V. Patel Pharmaceutical Education and Research Development Center; M.S. University; Supratech Research Laboratories, etc. The programme was inaugurated in the presence of Dr. Bhudev C. Das, Chairman & H. G. Khorana Chair Professor, Amity Institute of Molecular Medicine & Stem Cell Research (AIMMSCR), New Delhi and Padmashree Dr. Pankaj Shah, Vice President Gujarat Cancer Society and Professor Emeritus, Medical Oncology, Gujarat Cancer Research Institute, Ahmedabad. The two day symposium included nine sessions by internationality recognized scientists.



Dignitaries lighting the lamp during the inauguration of Two-Day National Symposium on "Innovations in Cancer Research: Translating "OMICS" to Therapeutics"

# Office of International Relations

## Expert Lectures



*Prof. Stephen G. Barnes, Assistant Dean from Penn State Law, USA visited Institute of Law and conducted lecture series on "U.S. Constitution and Impeachment Powers" from Sep 9, 2018 to Sep 12, 2018.*



*Prof. Gopal Balachandran, Director, Legal English Certificate Program, Adjunct Professor from Penn State University, USA visited ILNU and conducted a course on "Public defense" during July 30 to Aug 3, 2018.*



*Prof. Ylli Dautaj, Co-Founder ORIMLIGHYRA.SE and Penn State International Arbitration Board member from Penn State University, USA visited Institute of Law and conducted an expert lecture on "International commercial arbitration on transitional litigation" during July 27-Dec 19, 2018.*

- Prof. Jennifer Elizebath Berg, Professional Sabbatical, Freelance Consultant, Explorer, Learner, and Coach from Evolv seattle University, USA visited Institute of Law and conducted "Law skill labs" during Sep 10-20, 2018.
- Prof. Jen Berg, from Evolv, Seattle, Washington Co-Founder, Product Experience and Design Manager visited Institute of Law and conducted "Law skill Labs" from Sep 1 to Sep 30, 2018.
- Ms. Erica Saltalamacchia, from Penn State Law USA visited Institute of Law and conducted course on "Legal Clinic and Field Law Practice" from Aug 1 to Aug 30, 2018.
- Prof. William F. Fox, Distinguished Visiting Professor, School of Transnational Law, Peking University, Shenzhen Graduate Campus Shenzhen, China visited Institute of Law and conducted workshop on "International Business Transaction" from Aug 1 to Sep 1, 2018.

## Delegations

### Delegation from Kenya High Commission

Mr. Mohamed Ali Osman, Counsellor Education, Kenya High Commission visited Office of International Relation on April 11, 2018. During his visit various meetings and Interactive sessions were held with Kenyan students who are currently studying at Nirma University.



## **Delegation from University of Southern California, USA**

Vassilios Papadopoulos, DPharm, PhD, DSc (hon), The Dean of USC School of Pharmacy visited Nirma University on Aug 30, 2018 and met the senior officials, faculty members and students.



## **Alumni Meet at UAE**

Dr Mehul R Naik, Head, International Relations while on a trip to UAE to represent Nirma University in schools and at Expo GETEX, also organized an Alumni Meet on April 14, 2018 in Bur Dubai area of Dubai.

Besides this, the alumni who are settled in Dubai (Dhrumil Gandhi, Riddhi Mehta) contributed their valuable time at the Nirma University Exhibition stall and interacted with visitors actively.



## **GETEX 2018**

Dr Mehul R Naik, Head International Relations visited UAE and represented the University at the Gulf Education & Training Exhibition 2018 (GETEX 2018). He also visited schools in Dubai, Sharjah and Abu Dhabi.



## **Regional Study Programme in Spain**

Students of Architecture and Planning visited Spain for an international RSP during June 28 to July 10, 2018. The purpose of the visit was to experience, study and understand Urban environs and Architecture in various parts of Spain. A total of 41 students from third, fifth and seventh semester accompanied by two faculty members were part of this programme. This visit was facilitated by a Pune based company called 'Wheels of Innovation', who regularly conduct such architectural programmes for various institutes across India.



## US Education Fair

Office of International Relations organised "The US Education Fair" hosted by the Indo American Education Society\* on Sep 4, 2018 at Nirma University. The representative of various universities from the US represented their stalls at this fair and students got guidance on higher education in the US in all disciplines of Nirma University. US Visa officer from Mumbai Consulate also gave informative session on F1 visa. The fair was inaugurated by the Director General, Dr Anup K Singh. The event saw a footfall of about 850 students.



## Visit to the Schools in Kenya, Tanzania and Uganda by Dr Mehul R Naik

Dr Mehul R. Naik, Head, International Relations visited Mombasa, Nairobi, Dar Es Salaam, Kampala from Feb 28 to March 10, 2018. Dr Naik visited schools and gave presentation on Nirma University's degree programs for PIO students.



## MoUs signed with Foreign Universities

1. Pennsylvania State University, Penn State Law, USA
2. Changwon National University, South Korea
3. Coventry University, UK
4. Strathmore University, Kenya
5. Iowa State University, USA
6. University of Newcastle, Australia
7. ENSA NANTES, France
8. PPM School of Management
9. University of Torino, Italy
10. MCPHS, USA
11. Plovdiv University, Bulgaria
12. University of Johannesburg, South Africa
13. School of Architecture in Marne-la-Vallée, France

# Centre for Continuing Education (CCE)



Two day workshop on "Back End VLSI Design" conducted by Electronics and Communication Engineering Department, Institute of Technology on April 6-7, 2018



Three Days Interactive Orientation Program titled "Engineering Graphics – A Language of Engineer" for aspiring engineering students conducted by Mechanical Engineering Department, Institute of Technology during June 6-8, 2018



Five days Interactive Orientation Program titled "Engineering Mathematics - A Tool for Engineers" for aspiring engineering students conducted by Department of Mathematics & Humanities, Institute of Technology during June 11-15, 2018



GATE Preparation Classes: GATE 2020 for internal students are conducted by Centre for Continuing Education (CCE) starting Aug 5, 2018 to Jan 2020



Two Day Workshop on "Internet of Things and Fog Computing" conducted by Electronics and Communication Engineering Department, Institute of Technology on Aug 28-29, 2018



Neuropharmacological evaluation of drugs, Applications of Stereotaxic surgery and behavioural assessment programme conducted by Department of Pharmacognosy, Institute of Pharmacy under CCE on Aug 31, 2018



French Language Class for internal students conducted by Centre for Continuing Education (CCE) scheduled during Sep 1, 2018 to Nov 2, 2018



Advanced Certificate in International Business Taxation Law conducted by Centre for Corporate law Studies, Institute of law scheduled from Sep 15, 2018 to Oct 21, 2018 (5 weekends)



Hands on Training Programme on Formulation and Characterization of Nanoparticulate Drug Delivery System conducted by Department of Pharmaceutics, Institute of Pharmacy on Sep 29, 2018

# Faculty Corner

## PhD Awarded

Dr. Pimal Khanpara has been awarded PhD from Gujarat Technological University on Sep 14, 2018 (CSE) on the thesis titled Survivability in Mobile Adhoc Networks.



Prof. Utpal Sharma has been awarded Honorary Doctorate by 'Ecole Superieure Robert DE Sorbon' France on Sep 7, 2018 in New Delhi.



Dr Madhuri Parikh, Associate Professor, Institute of Law, Nirma University was felicitated with the title 'Prof Indira Parikh 50 Women in Education Leaders' by World Education Congress on 5<sup>th</sup> July, 2018 at Taj Lands End, Mumbai. The theme of the Congress was 'Sustainable Development Goals and Quality Education for all'.



Prof. Manjunath Ghate has been awarded as the Best Research Guide for thesis submitted on the subject "Pharmaceutical Chemistry" organized by Rajnibhai V. Patel Trust under the patronage of Dept. of Science & Technology, Govt. of India, Sep 15, 2018.

- Dr Virendra Singh, Assistant Professor, Institute of Law, Nirma University received the title of 'Father of Sociology of Prediction' from the Vice Chancellor, Maharaja Sayajirao University of Baroda, Gujarat on Aug 15, 2018.
- Prof. Nityesh Bhatt was felicitated for 'Best Innovative Use of ICT in e-Governance Area' by GR Foundation during third International Conference on ICT for Sustainable Development at Hotel Vivanta – Taj, Goa on Aug 30, 2018.

## Faculty as Resource Person

- Prof. Utpal Sharma was one of the keynote speakers at the 20th International Conference on Humane Habitat held in Mumbai on Feb 1, 2018.



- Dr Bishwa K Dash, Assistant Professor, ILNU delivered lecture on 'Cyber Law & Forensic Intervention' at Parul University, Vadodara on April 19, 2018.
- Dr Bishwa K Dash took a guest lecture on 'Sports and Laws' in Parul Institute of Law, Parul University, Vadodara on Aug 28, 2018.
- Prof Purvi Pokhriyal delivered a lecture on 'Limits of Criminal Law' at the National Conference organized by National Law University, Delhi during July 18 -19, 2018.
- Dr Madhuri Parikh presented a research paper at the 68th National Conference on New Trends in Engineering, Science and Management in Vishakhapatnam during July 20-21, 2018.
- Dr Bishwa K Dash presented a research paper on 'Decoding Decentralized Cyber Governance in India: Block chain Technology and the IT Act, 2000' at the International

Conference on Blockchain, Cryptocurrency and Digital Assets: Framework Regulation organized by ILTES, Hyderabad during Sep 29-30, 2018.

- Ms Anubhuti Dungdung presented a research paper on 'Digital Assets of Deceased Persons: Complexities and Countermeasures' at the International Conference on Blockchain, Cryptocurrency and Digital Assets: Regulatory Framework organized by ILTES, Hyderabad during Sep 29-30, 2018.
- Dr. Vijay Kothari was invited to participate in a brain storming session on "Traditional Medicine for Tackling Antimicrobial Resistance" at the Foundation for Medical Research, Mumbai on June 16, 2018.
- Director Prof. Sarat Dalai and faculty members of ISNU were invited to participate in the Stakeholders meeting for brainstorming on Priority areas identified under "Research Support Scheme" for providing support to academia and research institutions of Gujarat by the GSBTM during Sep 26-28, 2018.

## Papers Published in International Journals/ Magazines

- Gurpreet Kaur Sinhmar, Neel N. Shah, Nimitt V. Chokshi, Hiren N. Khatri & Mayur M. Patel, Process, optimization, and characterization of budesonide-loaded nanostructured lipid carriers for the treatment of inflammatory bowel disease. Drug Development and Industrial Pharmacy; 2018 July, 44(7): 1078-1089.
- Priyal Barai, Nisith Raval, Sanjeev Acharya, Niyati Acharya, Bergenia ciliata ameliorates streptozotocin-induced spatial memory deficits through dual cholinesterase inhibition and attenuation of oxidative stress in rats. Biomedicine & Pharmacotherapy; 2018 June, 102: 966-980.
- Anita K. Bakrania, Bhavesh C. Variya, Snehal S. Patel, "Insights from diversified anti-angiogenic models: Role of  $\alpha$ -interferon inducer DEAE-Dextran" Pharmacological Reports; 2018 April, 70: 549-557.
- Rachna Kumria, Bandar E Al-Dhubiab, Jigar Shah, Anoop B Nair, Formulation and Evaluation of Chitosan-Based Buccal Bioadhesive Films of Zolmitriptan. Journal of Pharmaceutical Innovation; 2018 June, 13: 133-143.
- Anoop B. Nair, Bandar E Al-Dhubiab, Jigar Shah, Patel Vimal Mahesh, Attimarad Sree Harsha, Development and evaluation of palonosetron loaded mucoadhesive buccal films. Journal of Drug Delivery Science & Technology; 2018 August, 7: 351-358.
- Hemangi Rawal, Bhoomika M Patel, Opioids in Cardiovascular Disease: Therapeutic Options. Journal of

- Dr Vijay Kothari was invited as a Guest Editor for a thematic issue (Validation of traditional medicinal practices through modern scientific tools and techniques) of Current Pharmacogenomics and Personalized Medicine, volume 16, issue 1, published in July 2018 by Bentham Science Publishers.
- Prof. Marjunath Ghate was invited as a Visiting Professor for Medicinal Chemistry subject at Southwest University, Chongqing, China during May 15 to June 15, 2018.



Cardiovascular Pharmacology and Therapeutics; 2018 July, 23:279-291.

- Sinhmar GK, Shah NN, Chokshi NV, Khatri HN, Patel MM, Process, optimization, and characterization of budesonide-loaded nanostructured lipid carriers for the treatment of inflammatory bowel disease. Drug Development and Industrial Pharmacy; 2018 July, 44:1078-1089.
- Priyal Barai, Nisith Raval, Sanjeev Acharya, Ankit Borisa, Hardik Bhatt, Niyati Acharya, Neuroprotective effects of bergenin in Alzheimer's disease: Investigation through molecular docking, *in vitro* and *in vivo* studies. Behavioural Brain Research; 2018 August, 356: 18-40.
- Mayur Patel, Bhoomika M. Patel, Repurposing of sodium valproate in colon cancer associated with diabetes mellitus: Role of HDAC inhibition. European Journal of Pharmaceutical Sciences; 2018 August, 121: 188-199.
- Avani Darji, Kaushal A, Nirav Desai and Shalini Rajkumar (2018) Natural Killer Cells: From Defense to Immunotherapy in Cancer. Journal of Stem Cell Research & Therapy 8:3 DOI: 10.4172/2157-7633.1000419
- Nazia Saiyed, Sonal Bakshi, Srinivasan Muthuswamy, Sarita Agarwal (2018) Young mothers and higher incidence of maternal meiosis-I non-disjunction: Interplay of environmental exposure and genetic alterations during halt phase in trisomy 21. Reproductive Toxicology, 79:1-7
- Shivani R Pandya, Suhani Patel, Sonal Bakshi, Man Sing, 2018. In vitro DNA Binding, antioxidant, antimicrobial and anticancer assessment of amino acid functionalized magnetic nanoparticles. Applied Surface Science", 451:1-19.

- Chinmayi Joshi, Pooja Patel, Abhishek Singh, Jinal Sukhadia, Vidhi Shah, Vijay Kothari (2018). Frequency-dependent response of *Chromobacterium violaceum* to sonic stimulation, and altered gene expression associated with enhanced violacein production at 300 Hz. *Current Science*, 115 (1):83-90.
- Bhargava Arpit, Pathak Neelam, Seshadri Sriram, Bunkar Neha, Jain Subodh Kumar, Mishra Dinesh Kumar, Lohiya Nirmal Kumar, Mishra Pradyumna Kumar. Pre-Clinical Validation of Mito-Targeted Nano-Engineered Flavonoids Isolated From *Selaginella bryopteris* (Sanjeevani) As A Novel Cancer Prevention Strategy. *Anti-Cancer Agents in Medicinal Chemistry*, 2018, 18: 1-15
- Behera Soma, Kapadia Bandish, Kain Vasundhara, Alamuru-Yellapragada Neeraja, Murunikkara Vachana, Kumar Sireesh, Phanithi Prakash Babu, Seshadri Sriram, Shivarudraiah Prasad, Hiriyan Jagadheshan, Gangula Narmadha, Maddika Subbareddy, Misra Parimal, Parsa Kishore VL. ERK1/2 activated PHLPP1 induces skeletal muscle ER stress through the inhibition of a novel substrate AMPK. *BBA Molecular Basis of Disease*, 2018, 1864(5): 1702-1716
- Navneet Bung, Sobhitha Surepalli, Sriram Seshadri, Sweta Patel, Saranya Peddasomayajula, Lalith Kummari, Sireesh Kumar, Prakash Babu Phanithi, Kishore Parsa, Rajamohan Poondra, Gopalakrishnan Bulusu, and Parimal Misra. 2-[2-(trifluoromethyl)phenylamino] thiazol-4-yl]acetic acid (Activator-3) is a potent activator of AMPK. *Nature Scientific Reports*, 2018: 8:9599
- Vishakha Bhurani, Aditi Mohankrishnan, Alexandre Morrot, Sarat K. Dalai Developing Effective Vaccine: Cues from Natural Infection. (*International Reviews of Immunology* doi.org/10.1080/08830185.2018.1471479)
- Fulesh Kunwar, Rebecca Pabst, Sonal Bakshi, Intrauterine growth restriction associated with paternal isodisomy of chromosome 5: a clinical report and literature survey. *The Journal of Maternal-Fetal & Neonatal Medicine*, 2018. 2018 Sep 6:1-3.
- Chinmayi Joshi, Pooja Patel, Abhishek Singh, Jinal Sukhadia, Vidhi Shah, Vijay Kothari (2018). Frequency-dependent response of *Chromobacterium violaceum* to sonic stimulation, and altered gene expression associated with enhanced violacein production at 300 Hz. *Current Science*, 115 (1):83-90.
- Vijay Kothari (2018). Validation of Traditional Medicinal Practices through Modern Scientific Tools and Techniques. *Current Pharmacogenomics and Personalized Medicine*, 16(1): 3.
- Mawandiya Bimalkumar, "Optimal production-inventory policy for closed-loop supply chain with remanufacturing under random demand and return", *International Journal of Operational Research*, ISSN 1109-2858, Volume: 01: 01-42
- Patel Rajesh N., Lakdawala Absar M, "Study on tribological behavior of biodiesel – Diethyl ether (B20A4) blend for long run test on compression ignition engine", *Fuel*, 2018,230: 64-77
- Lakdawala Absar M, "A dual grid, dual level set based cut cell immersed boundary approach for simulation of multi-phase flow", *International Journal of Chemical Engineering Science*, 2018, 177: 180-194
- Lakhavani, Nilam and Chatterjee, Monali. "Self-agony of Women Characters in That Long Silence by Shashi Deshpande" in *Online International Interdisciplinary Research Journal, OIIRJ*, an International Multidisciplinary journal. Impact Factor: 4.318 ISRA:JIF, Volume-08, Issue-04, July-Aug 2018: 205-208, ISSN: 2249-9598
- Patel Ritesh, Pre & Post-Merger Financial Performance: An Indian Perspective, *Journal of Central Banking Theory and Practice*, Volume 7, Issue 3, September 2018: 181-200
- Sanjay Kumar Jain, Rajesh Kumar Jain, "Cellular manufacturing-throughput reduction in a pharma company", *The Pharma Innovation*, 2018; 7(7): 539-544, ISSN (E): 2277- 7695 ISSN (P): 2349-8242
- Tanwar, Sudeep, et al. "M-Tesla-Based Security Assessment in Wireless Sensor Network." *Procedia Computer Science* 132 (2018): 1154-1162.
- Prasad, Vivek Kumar, Madhuri Bhavsar et al. "Inspection of Trust Based Cloud Using Security and Capacity Management at an IaaS Level." *Procedia Computer Science* 132 (2018): 1280-1289.
- Mahesh Patel, Dr. S. C. Vora, "Analysis of a Transverse Flux Permanent Magnet Generator with Fall-back Outer Rotor Design for Wind Power Generation", *International Journal of Ambient Energy*, Taylor and Francis Online, August-2018.
- Ruchi Gajjar, Tanish Zaveri, "Trigonometry-Based Motion Blur Parameter Estimation Algorithm", *International Journal of Image Mining*, Inderscience, Vol (3), June 2018: 67-78
- Chetna Chauhan, "Structural, Magnetic and Dielectric Properties of CO-ZR Substituted m-type Calcium Hexagonal Ferrite Nanoparticles in the Presence of -fe<sub>2</sub>o<sub>3</sub> phase" *Ceramics International*, Vol (44), August 2018

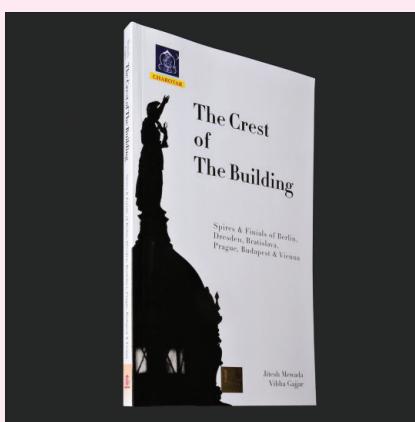
## Conference Publications

- J. Vora, P. Devmurari, S. Tanwar, S. Tyagi, N. Kumar, M. S. Obaidat, "Blind Signatures Based Secured E-Healthcare System", International Conference on Computer, Information and Telecommunication Systems (IEEE CITS-2018), Colmar, France, 11-13 July 2018, pp. 177-181. (Indexed in IEEE-Xplore, Scopus)
- J. Vora, P. Italiya, S. Tanwar, S. Tyagi, N. Kumar, M. S. Obaidat, and K-F. Hsiao, "Ensuring Privacy and Security in E-Health Records", International Conference on Computer, Information and Telecommunication Systems (IEEE CITS-2018), Colmar, France, 11-13 July 2018, pp. 192-196. (Indexed in IEEE-Xplore, Scopus)
- Kaneriya S, Tanwar S, Buddhadev S, Verma J P, Tyagi S, Kumar N, Misra S, "A Range-based approach for Long-Term Forecast of Weather Using Probabilistic Markov Model", IEEE International Conference on Communication (IEEE ICC-2018), Kansas City, MO, USA, 20-24 May, 2018, pp. 1-6. (Indexed in IEEE-Xplore as well as in Scopus)
- Vanzara R K, Thakkar M, Sharma P, Bhatt H S, Tanwar S, Tyagi S, Kumar N, & Joel J P C Rodrigues, "TCP-EXPO: Empirical Approach to Transport Layer Protocol for High-Speed Networks", IEEE International Conference on Communication (IEEE ICC-2018), KansasCity, MO, USA, 20-24 May, 2018, pp. 1-6. (Indexed in IEEE-Xplore as well as in Scopus)

## Books Published

**Title: The Crest of the Building Author: Jitesh Mewada-Vibha Gajjar Publisher: Charotar ISBN: 978-93-85039-33-1**

Prof. Vibha Gajjar and Prof. Jitesh Mewada from Institute of Architecture and Planning have successfully compiled and published their book titled "The Crest of the Building". As the name suggests, the book is about the topmost element of any building, a 'Finial'. The main part of the book contains over sixty such elements of buildings from six different cities of Eastern Europe, namely Berlin, Dresden, Bratislava, Prague, Budapest and Vienna.



- Dr Snehal Patel published a book "Textbook of Human Anatomy & Physiology" by Nirav Prakashan, Ahmedabad (ISBN: 978-93-86565-73-0)
- Dr Bhoomika Patel published a book "Derasari and Gandhi's Elements of Pharmacology" by B. S. Shah Prakashan, Ahmedabad (ISBN: 81-8416-031-)
- Dr Bhoomika Patel published a book "C. S. Shah's Pharmacognosy" by B. S. Shah Prakashan, Ahmedabad (ISBN: 81-8416-052-6)
- Rao, Indu. 2018. Cross-Cultural Leadership. McGraw Hill. ISBN 9781307300390
- Rao, Indu. 2018. Advanced OB & HR. McGraw Hill. ISBN 97813072944

## Book Chapters

- Mr Amit K Kashyap published a book chapter on 'DNA Forensics' in an edited book titled 'Red Biotechnology' published by Astral International Publication, New Delhi under the aegis of Gujarat National Law University project funded by the Government of Gujarat.
- Vijay Kothari, Pooja Patel, Chinmayi Joshi (2018). Chapter 13: Modulation of microbial quorum sensing: Nanotechnological approaches. In: Design of Nanostructures for Versatile Therapeutic Applications (Ed. Alexandru Mihai Grumezescu) Elsevier. p. 523-564. ISBN: 0128136685, 9780128136683.
- Vijay Kothari, Chinmayi Joshi, Pooja Patel, Deepa Shahi, Charmi Mehta, Bhumika Prajapati, Sweta Patel, Dipeeka Mandaliya, Sriram Seshadri (2018). Chapter 8: Nanotechnological approaches to colon-specific drug delivery for modulating the quorum sensing of gut-associated pathogens. In: Design of nanostructures for versatile therapeutic applications (Ed. Alexandru Mihai Grumezescu) Elsevier. p. 325-378. ISBN: 0128136685, 9780128136683.
- Bhagya Iyer and Shalini Rajkumar (2018). Rhizobia. In: Reference Module in Life Sciences, Elsevier, ISBN: 978-0-12-809633-8
- Vishakha Bhurani and Sarat Kumar Dalai (2018) Therapeutic potentials of IL-10 vs IL-12. IntechOpen: Immunotherapy ISBN 978-953-51-6100-4
- Svetal H. Shukla and Lalitha Poluru(2018). Research Collaboration in Field of Molecular Biology: A Scientometric Study. Soham: An International Multidisciplinary Peer Reviewed Research Journal 17(1): 1-5p.
- Sharma, Ankit K., Dipak M. Adhyaru, and Tanish H. Zaveri published a Book chapter on "A Novel Cross Correlation-Based Approach for Handwritten Gujarati Character

Recognition." Smart Innovation, System and technologies, Springer, 2018.

- Mishra G., Unny Balakrishnan R., Bhatt N. (2018), "Internet of Things (IoT) Deployment in Wearable Healthcare: A Socio-Techno Evaluation", Edited Book Handbook of E-Business Security by CRC Press – Taylor & Francis Group (ISBN 9780429887086).

- Unny Balakrishnan R., Mishra G., Bhatt N. (2018), "Strategies for Improving Cyber Resilience of Data Intensive Business Information Systems", Edited Book Handbook of E-Business Security by CRC Press – Taylor & Francis Group (ISBN 9780429887086).

- Mahesh K C & Raja Pravida A C, Statistical Modelling of Amount of Rainfall in Gujarat (2018), Proceedings of International Conference on Innovative Practices in Business.

## Alumni Corner

### Alumni Achievements

- Chandrashekhar Sharma, an alumnus of Institute of Law cleared the Gujarat Judicial Services Examination by securing an All India Rank of 18.
- Devi Jagani, an alumnus of Institute of Law (Batch 2013-2018) has been admitted into the Bachelor of Civil Law (BCL) programme of the University of Oxford starting Sep 2018.

### Alumni as Invited Speakers

- Ms. Khushali Modi Mehta, Manager (Design/Civil), Metro -Link Express for Gandhinagar and Ahmedabad (MEGA) Company Ltd., Ahmedabad delivered a talk on "Role of Civil Engineers" for B. Tech. Sem. III students on July 12, 2018.
- Mr. Anushrav Bhatt, Proprietor and founder, Nirantar Group, Ahmedabad delivered an expert talk on "Arbitration" for students of B. Tech. Sem. VII on Sep 28, 2018.
- Mr. Abhishek Desai, founder of CricHeores and Co-founder of Digicorp delivered a Motivational Talk on "Career Guidance" for Sem III B.Tech CE students on July 12, 2018.
- Mr. Dhruvin Patel, District Registrar, Govt. of Gujarat delivered an expert talk on "Methodology to be adopted in preparing for government jobs and competitive examinations" to B.Tech. Sem. VII students on Aug 6, 2018.

### Expert Lectures by Alumni

- Mr. Tushar Thakker, Co-founder and CEO, Param Labs Private Limited, Ahmedabad on "Recent Trends in Augmented Reality and Virtual Reality" for the students of 5th Sem IT on Sep 14, 2018.
- Mr. Churchil Bhatt, VP, Kotak primary dealership (Investment banker to Government of India), Mumbai on "IT for Global financial Markets" for the students of 3rd Sem IT on Sep 17, 2018.
- Ms. Khyati Bhatt, Founder and CEO, Simply Body Talk, Mumbai on "Becoming future ready with nonverbal communications" for the students of 3rd Sem IT on Sep 17, 2018.
- Mr. Kunal Shah, Director, Digicorp, Ahmedabad on "Blockchain Technologies" for 5th Sem B.Tech CE students on April 17, 2018.



# Students' Activities

## Achievements

- Students of EC, Institute of Technology as part of team India Robocon represented India in International Robocon event held at Vietnam during Aug 23-26, 2018 and secured ROHM award for innovative design.
- Kaivalya Shah and Namrata Dubey of 5<sup>th</sup> year won the Best Essay and the 2<sup>nd</sup> Best Essay award at the 1<sup>st</sup> ILNU-IBBI Essay Competition 2018 on Emerging Jurisprudence on Corporate Insolvency held at Institute of Law, Nirma University.
- Sumit Singh Bhaduria of 4<sup>th</sup> year won the third prize for his essay "Resale Price Maintenance in the age of internet retailing: Towards a more Economic Approach" presented in NLIU-Trilegal Summit on Corporate & Commercial Laws, 2018 during Aug 24-25, 2018. The essay is published in the NLIU-Trilegal EBC Commemorative Book along with a one month paid internship with Trilegal and three month access to SCC and EBC Indian Constitution.
- Naman Dubey and Lokesh Vyas of 3<sup>rd</sup> year won the 2<sup>nd</sup> Amity National essay writing competition on Nation and Nationalism, 2018. The title of their essay was 'Rule of Law vs. Rule of Mob: An Unfettered Vigilantism'.
- Adhirath Chaudhary of 2<sup>nd</sup> year broke as an adjudicator at the Symbiosis Law School- Parliamentary Debate, 2018 conducted by Symbiosis Law School, Pune during Aug 17-19, 2018.
- Devashish Trivedi of 4<sup>th</sup> year secured an adjudicator break and Gaurav Chaplot and Ashutosh of 1<sup>st</sup> year broke in the novice category at GNLU Debate Tournament 2018, held at Gujarat National Law University from Aug 25 - 27, 2018.
- Toshit Godara of 4<sup>th</sup> year and Shubham Borah of 3<sup>rd</sup> year were adjudged as finalists at the IIM Indore Inter-Varsity Debate. Toshit was also adjudged as the second best speaker. Gahna Rajani and Kush Dubey of 1<sup>st</sup> year made it to the semifinals at the same tournament and Devashish Trivedi of 4th year was declared as the Best Adjudicator at the same tournament. The tournament was held from Sep 7- 9, 2018.
- The team comprising Shewangee Singh and Archi Pawar were adjudged as semifinalists at the 1<sup>st</sup> NLIU Link Legal National Client Counseling Competition held at National Law Institute University, Bhopal from Sep 7-9, 2018. Archi Pawar was also adjudged as the best counsel.
- Ms. Tripti Halder, research scholar under the guidance of Dr. Niyati Acharya received third prize in poster presentation at the 3<sup>rd</sup> International Conference on Nanomaterials: Synthesis,

Characterization and Applications (ICN 2018) during May 11-13, 2018 at Mahatma Gandhi University, Kottayam, Kerala. The topic of the presentation was "Development of nanostructured lipid carrier of a natural bioactive - A thoughtful approach to overcome the hurdles regarding nano-formulations".

- Pruthvirajsinh Zala of 1<sup>st</sup> year won the Best Speaker award at the Youth Parliament of India, 2018 conducted at Karnavati University, Gandhinagar during July 14-15, 2018.



- Aadesh Shinde of 2<sup>nd</sup> year won the Best Parliamentarian award at HLCC MUN held at HL College of Commerce, Ahmedabad during Aug 17-19, 2018. Also, Pruthviraj Sinh Zala of 1st year won the high commendation award at the same event.



- Ms. Bhumi Akhani, MPharm Semester 1 student of Pharmacology Department won 1<sup>st</sup> prize in extempore event on the topic "Motivation" at the state level competition held at Deesa on June 15, 2018.
- NCC Cadets Aniket Rathore, Manav Patel, Guru Siradhana and Umang Sethi, all of 2<sup>nd</sup> year, won 5 gold medals and 1 silver medal in the Inter battalion Quiz, Debate and Shooting competition held at the NCC Headquarters, Ahmedabad on Aug 22, 2018.



## Moot Court Achievements

- The team comprising of Piyush Swami, Rishabh Rela and Jaya Singh represented ILNU in the 14<sup>th</sup> Nani Palkhiwala Tax Moot Court Competition, 2018 organized by School of Law, Sastra Deemed to be University, Thanjavur, Tamil Nadu where they were declared the winners. Jaya Singh was also adjudicated as the Second Best Speaker in the Competition.
- The team comprising of Neti Jhatakia, Karan Parihar, Utkarsha Sharma and Sakhi Shah participated in the ELSA WTO Moot Court Competition, Bangkok, Thailand held during April 5 to 8, 2018.
- The team comprising of Palak Jain, Shubhsmita and Bhavya Sharma were adjudged as runners-up at the 4<sup>th</sup> National Moot Court Competition organized by Rajeev Gandhi School of Intellectual Property Law from Aug 31 to Sep 2, 2018.



- The team comprising of Mohak Tripathi, Yash Shukla and Udit Singh Parihar were adjudged as quarter finalists at the 8<sup>th</sup> Paras Diwan Memorial International Moot Court Competition, 2018 held during April 6-8, 2018.
- The team comprising of Rishabh Jain, Shipra Sayal and Shubham Gupta were adjudged as the winners of the Best Memorial Award at the 4<sup>th</sup> GNLU Moot on Securities and Investment Law, 2018 held at Gujarat National Law University from Sep 6-9, 2018.
- The team comprising of Navya Singh, Kulsoom Farhat Khan and Vinisha Jain were adjudged as quarter finalists at the 18<sup>th</sup> Henry Dunant Memorial Moot Court Competition, 2018 jointly organized by the Indian Society of International Law (ISIL) and International Committee of the Red Cross, New Delhi from Sep 13-16, 2018. Navya Singh was also adjudged as the Best Advocate.

## Mock Trial Competitions

- The team comprising of Mohit Shivakumar, Harsh Kamdar and Sneha Sharma were adjudged as quarter finalists at the 3<sup>rd</sup> NUSRL National Trial Advocacy Competition conducted by National University of Study and Research in Law from May 17-20, 2018. Mohit Shivakumar was also awarded as the Best Advocate of the competition.



- The team comprising of Arpit Kacholiya, Harshad Joshi, Mansi Swarup and Atharv Arya were adjudged as quarter finalists at the Surana and Surana National Trial Advocacy Competition conducted by Bharati Vidyapeeth New Law College, Pune from Sep 7-9, 2018.

## Summer Apprenticeship for DoD Students

The first year students of Department of Design went on 4-week Summer apprenticeship during June 1-30, 2018. This provided them a comprehensive first hand exposure to professional workplace, to learn about an organization's structure and

function, to develop personality traits, and to enhance their communication and presentation (oral and written) skills.

Students came back with insights on design process practiced by commercial organization. The apprenticeship comprised working in design studio's, interaction with designers / executives to facilitate the process of learning by observation and discussion. The students did their apprenticeship with Interior Design Firms, Graphic firms, Architecture firms, Small scale industry, Entrepreneurs etc.

## Papers Published/ Presentations

- Kavya Mehta and Ritumukesh Mishra of 4<sup>th</sup> year published their research paper titled 'Lingua Franca of India: A Critique' in Volume II of the GLC Law and Policy Review Journal. ISSN No.: 2518-9135
- Ritika Kanwar of 2<sup>nd</sup> year published a research article titled 'Case note on Passive Euthanasia' in Volume 3 Issue 3(1) of

the International Journal of Socio Legal Research. ISSN No.: 2393-8250

- Devansh Dubey and Payas Jain of 3<sup>rd</sup> year published their research paper titled 'The Right to be Forgotten: A Right against Rights?' in Volume 3 Issue 1 of the National Law University Odisha Student Law Journal. ISSN No. 2035-062X

## Academic Initiatives

- Shikha Tewari, Ph.D. student has been awarded Senior Research Fellowship by the ICMR for her project "Study of cellular response to radiation and effect of herbal extracts."
- Aditi Mathur, Ph.D. student has been awarded with Senior Research Fellowship by the ICMR for her project "Role of Non-Target Antigens in determining Immunogenicity of Target Antigen to Induce Protective Immunity."

## Extra-curricular Activities

### FinTalk 1.0

FinTalk 1.0 for the academic year 2018-2019 took place on Aug 21, 2018. Mr. Hiten Kothari (Appointed Actuary, HDFC ERGO General Insurance Company) was invited as the guest speaker to provide insights on the topic "Actuarial Science – Industry, Career Opportunities and Required Skills".



Fintalk Learning

## Nandotsav 2018

Krishna Janmotsav – Nandotsav was organized by the Cultural Committee of IMNU on Sep 3, 2018. The event saw an approximate footfall of 500. The Dahi Handi celebration was conducted with great zeal and enthusiasm by the students.



## Avighna Chaturthi

The eight-day event was organized by the Cultural Committee from Sep 13 to 20, 2018. An eco-friendly idol of Lord Ganesha was set up to begin the festivities.



Avighna Chaturthi

## Apratim 2018

Apratim 2018- 'Where Talent meets Magic' was held on July 27, 2018. The theme of the event was Halloween. The batch of MBA (FT) 2018-20, MBA (FB) 2018-20 and BBA-MBA participated in the same with utmost zeal and enthusiasm. The talent night consisted of 34 performances, including Ganesh Vandana, Fashion Show, Group and Solo Dance performances, Solo and Duet Singing, Live Art, Stand-up act, to name a few.



Presentation by participants of Ignus 2.0

## PropShop 2k18

PropShop 2k18 was organised by Spinshot, the Photography and Filmmaking Club of the BBA Programme in collaboration with Ritayan, the Dance and Music Club on Sep 27, 2018. Around 250 students turned up in the event. Photo booths with different themes were setup and more than 200 props were available for students to click photos.



## Teacher's Day Celebration

On Sep 5, 2018 the student clubs of the BBA Programme organised the event which saw a participation of around 20 faculty members and 200 students. The event began with a game called 'Box of Lies' wherein a teacher and a student were pitted against each other. The students also paid a tribute to their teachers with a play depicting student-teacher relationship followed by a mesmerizing musical performance. JAM (Just a minute) speech session was also a part of the same.

## Samwaad XV

Institute of Law, Nirma University in consonance with Samwaad: A student forum for discussion, organized its 15th session on Aug 29, 2018. The topic of discussion was Mob Lynching. The speakers at this event were Shubham Borah of 3rd year, Lokesh Vyas of 3rd year and Kajal Singh of 2nd year.

## Donation Camp

Mission Sangharsh, a student initiative of the Institute of Law organized a relief donation camp for the disastrous Kerala floods during Aug 20-21, 2018. The students collected torches,

bed sheets, candles, matchsticks, footwear, umbrellas, milk powder, baby food and sanitary pads, amongst other items. The collected material was sent to Centre for Social Justice, an NGO based in Ahmedabad, which further directed it to the state of Kerala.

## Melange 2018

Institute of Law, Nirma University organized its flagship cultural event known as Melange 2018 on Sep 5, 2018. The event included dance, singing and acting performances by the students.

## Pencil Sketch Competition

On the occasion of 150 years of celebration of Mahatma Gandhi Jayanti, Institute of Commerce organized a Pencil Sketch Competition. A total of twenty three students participated in the event.

## Humans of Nirma

Humans of Nirma is a social media broadcasting series initiated by Mavericks, the Social Committee of the B.B.A Programme from Sep 18, 2018. The aim of this initiative is to shed light on the people who work hard every day but are not known by everyone or are not appreciated as much as they deserve. Each person has a story to tell. So as to let others into their lives and learn from the struggles that all of these people have gone through. The stories are shared on the social media accounts of Mavericks like Facebook and Instagram. It is truly an enlightening experience for all of them to know about their hardships and how they coped up with them.



## Renaissance 2018

Renaissance, the Annual Cultural Festival of Institute of Science was celebrated during Sep 18-19, 2018. Smt. Vibha Desai, the renowned Gujarati singer was the Chief Guest at the inaugural function. A total of 97 students participated in various events including, fine arts, theater, literary events, Mime, Skit, Debate, Elocution, Collage, Spot Painting, T-Shirt Painting, Cartooning, Rangoli, Solo Dance, Group Dance, Solo singing, and Group Singing.



## Students' Led Workshops

Book binding and Mask making workshops were conducted by Institute of Architecture and Planning, Nirma University for first year students as part of the Orientation Programme in Aug 2018.



## Freshers' Day at Institute of Commerce

A Formal Freshers' was organized on July 27, 2018 by the students of second year for the newly admitted B. Com. (Hons) batch of 2018-21. The main purpose was to welcome the new students and make them feel an integral part of ICNU as well as Nirma University family. The event started with traditional ritual of seeking blessings of Goddess Sarasvati. It was followed by dance performances by the second year students. Various team games like Bingo and Bollywood Quiz were played with great zeal and enthusiasm. Treasure Hunt event served as an icing on the cake. The event also reiterated on ICNU being a ragging free campus so that students can comfortably settle in the academic environment. The event concluded with high tea..



## Talent Hunt @ ICNU

On Aug 30, 2018 cultural committee of the Institute of Commerce, Nirma University organised the Talent Hunt. The event constituted of various literary and cultural activities. The literary events included elocution on the topic "Gender Sensitization"; debate on "Whether movies change the opinion of viewers or not"; and poetry recitation. Cultural events included Singing and dance performances.





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