



**NIRMA**  
UNIVERSITY

Nirma University

# Newsletter

Quarterly Newsletter

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## News at a Glance

### Rankings

#### IT-NU

- The WEEK-HANSA research survey has ranked IT-NU as the 16th Best Engineering Institute amongst the private colleges in the country and 3rd best in the west zone.

#### IM-NU

The Institute has been ranked as:

- 10th Best (Top) Private B-School by a survey conducted by GHRDC and published in Competition Success Review, November, 2014
- 24th Best B-School by a survey conducted by MDRA and published in Business Today, October, 2014
- 25th Best B-School by a survey conducted by Drishti and published in Outlook, October 2014

### Awards

IM-NU has been honoured with the Twenty Second Dewang Mehta B-School Award for 'Best Business School which encourages Innovations that leads to Better Development' at Taj Lands End, Mumbai on November 15, 2014.



### MoUs Signed

IT-NU has signed a MoU with Ahmedabad Textile Industry's Research Association on September 17, 2014 and another MoU with enti Innovations Pvt. Ltd. on September 19, 2014.



*Dr Ketan Kotecha, Director IT-NU with the delegates from Ahmedabad Textile Industry's Research Association*

## Contents

News at a Glance	01
From the Director General's Desk	02
Editorial	02
Dignitaries on Campus	03
Eminent Guests on Campus	04
Events	08
In Focus	12
Research and Development	14
Industry Interface	14
Academic Development & Research Cell	15
Centre for Continuing Education	15
Extension Activities	16
Faculty Corner	17
Staff Corner	22
Foundation Day	22
Students Corner	23
Alumni Corner	28
Extra Curricular Activities	30
Forthcoming Events	32



## From The Director General's Desk

Change is the only constant in life and as the year 2014 draws to culmination I would like to highlight on the activities and endeavours undertaken throughout the year to bring a positive change in the organisation and the world around us.

Excellence, expansion and equity have been the key driving forces through the year. The University has adopted Outcome Based Education for all its constituent institutes to further excel in its endeavours. The objective is to advance the development of professional knowledge, inculcate employability skills in addition to development of character and social responsibility. Consequently, curricular, co-curricular and extra-curricular activities have been re-worked to achieve the Programme Educational Objectives and Programme Learning Outcomes.

The implementation of Research Policy was another step towards delivering and achieving research excellence. In addition the process of Academic Audit has also been introduced with the objective to further improve the quality of teaching and to strengthen the monitoring system. In the continuous evaluation system, the Higher Order Thinking Skills have been introduced with emphasis on analytical and application based knowledge.

The Institute of Architecture offering B. Arch has been incepted with the aim to mobilize creative thinking from initial years, progress to next dimension of design with environment and society.

In terms of addressing the needs of society, the University constantly organises various extension activities. During 2014 a number of such activities as literacy and legal awareness campaigns, gender sensitization programmes, blood donation camps in addition to various socially relevant awareness programmes were scheduled.

Wishing you a very happy New Year and happy reading

**Anup K. Singh, PhD**

Director General



## Editorial

The midst of the semester is full of life - Teaching, Activities, quizzes, association activities and all. Students are having gala time during these important education years. As Dr A.P.J. Abdul Kalam has said so rightly - "Educationists should build the capacities of the spirit of inquiry, creativity, entrepreneurial and moral leadership among students and become their role model".

In sync with this thought, the University provides platform for all these activities and efforts are on to make curricular and extracurricular activities more robust, more productive and more engaging. The efforts to inoculate extension activities - where university will be extending the skills imparted in the campus to the society is now well at place and infect strutted in the curriculum. Giving back to society is our mission. These activities should be tangible and outcome based, keeping the spirit of Outcome Based Education, the institutes of the University are drafting and designing ALO (Activity Learning Outcome) of these extracurricular and co-curricular activities.

We desire to produce individuals having 21st century skills - creativity and critical thinking, flexibility and adaptability, social and cross-cultural skills, leadership and responsibly among other need skills.

Well intent focus on curricular, co-curricular and extra-curricular activities will bring this on and more

Amen

The Editor



## Dignitaries on Campus

The following dignitaries visited IL-NU on November 8, 2014 on the occasion of International Conference (details on Page 8) hosted by the Institute :



*Hon'ble Chief Justice of India, Mr. Justice H.L. Dattu*

Hon'ble Mr. Justice H.L Dattu while addressing the gathering stated that agriculture is an integral part of who we are as a society and as a nation. He emphasized that we should be convinced by scientific reasons than believe on empty rhetoric and called for accepting an approach which is capable enough to reduce the climatic pressure and also to safeguard and sustain the interests of small and marginalized farmers. Hon'ble Justice asked the government to ensure that land that is being acquired for the purpose of development must only be done after a farmer is fairly compensated for the land which he owns.



*Hon'ble Acting Chief Justice of Gujarat High Court, Mr. Justice V. M. Sahai*

Hon'ble Mr. Justice V.M. Sahai mentioned that there is a need to bring back old wisdom of the Vedas and learn from them while taking statutory actions to preserve environment. He stated that if proper mechanism for assessing carbon credit is put in place agriculture activity in India will emit zero pollutants and strengthen industries by reducing their pollution as there will be an increase in green cover.



*His Excellency the Governor of Gujarat, Shri Om Prakash Kohli*

His Excellency the Governor of Gujarat, while making a speech said that if we look at the modern world we can see that during the last few decades the world has made tremendous progress but this development has caused serious environmental damages impairing the quality of life not only of our generations but of future generations also. We should meet our own needs without compromising with future generations.



## Eminent Guests on Campus

A High Profile Education Mission from Atlantic Canada to Gujarat organized by Atlantic Canada Opportunity Agency (ACOA), with assistance from the International Centre, Memorial University of Newfoundland, Canada and international trade consultancy firm The Kamma Inc., visited IT-NU on September 22, 2014.

The delegates from three Universities of Atlantic Canada who visited the University were Dr Wilfred Zerbe, Dean, Faculty of Business; Mr. Glen Penney, International Business Development Manager and Ms. Teeba Alsafar, International Programme Coordinator from the Memorial University of Newfoundland along with Dr J. Kevin Vessey, Associate Vice-President, Research Dean, Faculty of Graduate Studies and Research, Saint Mary's University and Dr Barbara Campbell R N, Director, International Relations, University of Prince Edward Island.

The objective to visit the University was to strengthen the links between Gujarat and Atlantic Canadian universities of higher education and vocational training. Further the focus was to identify potential collaboration in various educational programmes in addition to exploring the opportunities for joint research, faculty & students exchange programme, online training and to establish education and business relationship.



*Dr Ketan Kotecha, Director IT-NU interacting with the members of Atlantic Canada Opportunity Agency*



*Dr Chirag Desai, Director, Hemato-Oncology Clinic & Vedanta Institute of Medical Sciences, Ahmedabad visited IP-NU on October 1, 2014.*



*Dr Kinkini Dasgupta Misra, Head, Gender and Technology Communication, Vigyan Prasar, Department of Science and Technology, New Delhi addressing the Women Farmers Meet at IL-NU on November 8, 2014.*



*IT-NU invited legendary cricketer Mr. VVS Laxman as a part of social initiative and pre-launch event of IFEST 2014 on October 10, 2014. He delivered a talk on 'The Leadership Qualities and Stress Management'.*



*Ms. Abena Ojetayo, Executive Director, Sustainability Institute, Florida Agriculture and Mechanical University, USA visited IL-NU on November 8, 2014.*



*Dr. Anthony Whitbread, Research Programme Director, International Crops Research Institute of the Semi-Arid Tropics visited IL-NU during November 8-9, 2014.*

### Expert Lectures by Eminent Guests on Campus

Name of the Expert, Designation and Organization	Topic	Institute	Date
Mr. Ashwin Parikh, Director, International Business Development	Transformation from School to College	IP- NU	September 1, 2014
Ms. Ruchi Sharma, Director, My Aura Image Consultant, Ahmedabad	Over-All Personality Development	IP-NU	September 2, 2014
Mr. Rohit Patel, Director, Symcom Corporation, Ahmedabad	Personality Development	IT-NU	September 3, 2014
Dr N. M. Bhatt, Director, GIT, Gandhinagar	Thermodynamics	IT-NU	September 4, 2014
Shri Girish Patel, Senior Advocate, High Court, Gujarat	Different Dimensions and Drafting of PIL	IL-NU	September 5, 2014
Mr. A. V. Pathak, Scientist, SAC- ISRO	Ancient Indian Wisdom about Metals	IT-NU	September 9, 2014
Dr Dawood Ghanchi, Former Vice Chancellor, North Gujarat University	Language, Literature and Law	IL-NU	September 9, 2014
Shri Ali Sajjad Bohra, Country Head & Regional Director- Clinical Operations (Asia Pacific), QED Clinical Services India Pvt. Ltd., Ahmedabad	Clinical Trials in Orphan Disease	IP-NU	September 10, 2014
Prof. S.K. Kulkarni, Emeritus Professor, Pharmacology & Former Pro-Vice Chancellor, Punjab University, Chandigarh	Pharmacist as Public Health Manager for Better Professional Outcomes	IP-NU	September 12, 2014

Dr Ravi Gor, Director (Academics), Dr Babasaheb Ambedkar Open University, Ahmedabad	Impact of Blended and Collaborative Learning	IP-NU	September 16, 2014
Mr. Tirtha P Banerjee, Head-Training, Dr Fixit Institute of Structural Protection & Rehabilitation, Mumbai	Demystifying the Myths of Waterproofing Concepts, Waterproofing in RCC Buildings - Roofs, Walls and Wet Areas, Materials and Applications in Remedial Waterproofing	IT-NU	September 19-20 , 2014
Mr. N K Bhattacharyya, Consultant and Retired Chief Engineer, Indian Defense Services	Good Construction Practices for Watertight Structures, Design and Construction of Watertight Basements, Remedial Water - proofing for RCC Buildings - A Strategic Approach	IT-NU	September 19 -20, 2014
Mr. Abdul Kader Bengali, Business Head, LWG Pidilite	Waterproofing and Insulation of Roofs - Low Energy Consumption (LEC) Roofs	IT-NU	September 20 , 2014
Mr. Chaitanya Vyas, Partner, Chemey Marketing, Ahmedabad	Case Studies of Waterproofing Applications	IT-NU	September 20 , 2014
Mr. Dilip Sarda, Director Synergy Agrotech, Ahmedabad	Cold Chain-Importance	IT-NU	September 25, 2014
Mr. Mukesh S. Mahajan, G.M. Operations, Ferromatik Milacron, Ahmedabad	Practical Aspects: Tools, Jigs and Fixtures	IDS-NU	September 26, 2014
Dr Atul Sharma, Professor, Department of ME, IIT, Bombay	Advances of Fluid Dynamics	IT-NU	September 27, 2014
Mr. Jagat Shah, Founder-Mentor - Cluster Pulse, Founder - Global Network, Founder-Trainer - Global Network Institute, Global Network TV	Are International Trade and International Relations interconnected?	IM-NU	October 9, 2014
Dr Ajay Khopade, Senior Vice-President, NDDS, Sun Pharma Ltd. Baroda	Self-Assembly in Drug Delivery Systems	IP- NU	October 11, 2014
Dr Pavan Kumar, Head, Formulation and Development Department, Intas Pharmaceutical Ltd, Ahmedabad	Pharmaceutical Applications of Direct Compression	IP-NU	October 16, 2014

Mr. R. A. Soni, General Manager, Engineering & Services Competence Centre, Zeppelin Systems India Pvt. Ltd., Vadodara	Hydrogen Networking	IT-NU	November 8, 2014
Dr P. H. Shah, Principal, U. V. Patel College of Engineering, Mehsana	Formwork	IT-NU	November 13, 2014
Mr. Deepak Kumar Sharma, General Manager-Gujarat State Office, Indian Oil Corporation Ltd.	Keys to Success	IM-NU	November 13, 2014
Dr D. R. Luhar, Director- Sigma Industries-Ahmedabad	Software Defined Network	IT-NU	November 14, 2014
Mr. PPG Sarma, CEO, GSPC Gas Co. Ltd	Energy Management in India	IM-NU	November 14, 2014
Swami Sarvasthananad Ji, Ramkrishnan Mission, Rajkot	Spiritual Discourse	IM-NU	November 17, 2014
Dr Akshay Mehta, Director, Gujarat Power and Research Engineering, Ahmedabad - Mehsana Highway, Ahmedabad	Nonlinear Control Algorithms	IT-NU	November 18, 2014
Mr. Jayesh Gandhi, Director, H. K. Automation, Ahmedabad	Performance Monitoring of Power Plant	IT-NU	November 20, 2014
Mr. Mahesh Pandya, Director, Paryavarna Mitra (NGO), Ahmedabad	Clean Development Mechanism in India	IL-NU	November 26, 2014



*Mr. N. Kalidas, Executive Director, Eco-carbon Ltd. visited IT-NU to demonstrate procedure to produce 'No-aggregate Concrete' on September 23-24, 2014.*



*Dr K. R. Padiyar, Emeritus Professor (Retd.), IISC Bangalore, presently visiting faculty, IIT-Gandhinagar delivered a talk on 'Stability and Protection Related Issues in Power Systems' on November 20, 2014 at IT-NU.*



*Dr Robert Jordan, Agriculture Advocacy Activist, U.K. delivered a lecture on 'Organic and Rights based approaches to Food Security, Climate Change and Sustainable Development-A Global Overview' at IL-NU on November 10, 2014.*

## Events

### International Conference at IL-NU



*Dignitaries on the dais during the Conference*

The Institute jointly with National Council for Climatic Change, Sustainable Development and Public Leadership (NCCSD) organized an International Conference on 'Strengthening Climatic Justice Initiatives: Livelihood Challenges at Local Level with a focus on Farmers' during November 8-9, 2014. The Conference was inaugurated in the esteemed presence of the Hon'ble Chief Justice of India, Justice Mr. H. L. Dattu and the Governor of the State of Gujarat, His Excellency Shri. O. P. Kohli.

Justice Mr. V. M. Sahai, Hon'ble Acting Chief Justice of Gujarat High Court, and Justice Mr. B. P. Singh, Former Judge, Supreme Court of India & President of NCCSD were among various sitting and retired judges of Supreme Court and High Court along with other eminent dignitaries who were present during the inaugural function.

The Conference was organized to initiate a dialogue on the theme and to critically analyse the contribution of government policies, legal framework, technology and other initiatives by academicians, students, lawmakers, farmers and other stakeholders with a view to bring Climate Justice against the challenges faced by farmers at local level. More than 150 farmers from Gujarat and the surrounding States attended the same. There were technical and plenary sessions, a Farmers' Meet, Round Table Meet besides a Women's Meet where issues and challenges regarding women farmers were discussed. The Valedictory function

was graced with the presence of various delegates from Florida Agricultural and Mechanical University. The Presidential Address was given by Hon'ble Mr. Justice B.P. Singh.

On this occasion, a memorandum of understanding (MoU) was signed between the delegates of Florida Agriculture and Mechanical University and NCCSD for the mutual exchange of information, technical assistance and public policy drafting.



*Distinguished Hon'ble Judges during the International Conference at IL-NU*

## Annual Quality Conference

The American Society for Quality (ASQ) Ahmedabad Local Member Community (LMC) organized its Fourth Annual Conference on Quality in association with IM-NU on November 15, 2014. The theme of the conference was 'Quality Improvement for Organizational Excellence'.

The conference was attended by more than 350 participants. There were top management speeches, live case studies presentations and posters presentations based on quality implementation projects in addition to a book release on Quality Management.

The conference was inaugurated by Mr I.V. Rao Executive Advisor, Maruti Suzuki India Ltd. & Director of Maruti Center for Excellence. Other eminent speakers of the conference were Dr Manu Vora, Chairman and President, Business Excellence Inc, USA; Dr Jaimin Shah, Co-Founder and MD, Dev Infotech (India and Canada); Dr Debashis Sarkar, ASQ Fellow and Global Head-Reengineering, Standard Chartered and Mr Jon Fletcher, Sr. V.P., KEC International.

A book titled 'Quality Management for Zero Defect and Zero Effect', a compendium of real case studies and best practices presented at the Quality Management Conferences organized by ASQ LMC Ahmedabad was also released during the conference.



*Dignitaries on the dais during the Conference*

## Two-Day National Seminar on Questioning Legal Reality

IL-NU organised a two-day National Seminar on Questioning Legal Reality during September 26-27 2014. The inaugural session of the Seminar was presided over by Dr Upendra Baxi, Professor, University of Warwick, UK, Prof. Purvi Pokhariyal, Director, IL-NU and chaired by Prof Vidyut Joshi, Professor Emeritus, IL-NU.



*A glimpse of the Seminar at IL-NU*

The objective of the seminar was to interrogate and deliberate upon some very fundamental questions on the thinking and learning of law.

## Marketing Conclave

IM-NU organized its Annual Marketing Conclave, Ayatana-the Sense Sphere on September 6, 2014 with the theme 'Marketing in Practice'. The conclave provided a platform for idea-generation and stimulation of novel marketing thoughts thus giving an opportunity to the students to interact with and learn from industry practitioners. The conclave was inaugurated by Mr. Satish Kulkarni, VP, Project Sales and Service, Asian Paints. Other eminent speakers of the conclave were Mr. Atul Garg Accounts Director-Cogito Consulting; Mr. Kaushal Bhatt, Head, Marketing and Strategy Streebo; Ms. Mohita Arora, an independent consultant in the Area of Marketing and Mr. Amit Das, Executive VP, 3i InfoTech. Mr. Manoj Menon, Group Business Director of IMRB was the speaker for the valedictory session.

## HR Conclave

The HR Conclave 2014 was organised by IM-NU in association with the National HRD Network, Ahmedabad Chapter on September 27, 2014. The theme of the conclave was 'Unleashing Human Potential in Challenging Times' with the sub-themes of the conclave 'Leveraging Human Potential: The Business Imperative' and 'Aligning Generational Expectations: Challenges and Opportunities'. The conclave was a joint effort of NHRD and IM-NU to create mechanisms for preparing purposeful and focused HR managers for tomorrow's organizations.

Mr. Rajeev Vastupal, Chairman and Managing Director, Rajiv Petrochemicals Pvt Ltd. was the Chief Guest. The Guest of Honour of the event was Dr S. K. Nanda, IAS, Additional Chief Secretary, Government of Gujarat and Dr Anup K. Singh, Director General, NU presided over the inaugural function of the conclave. The inaugural was chaired by Mr Kamal Singh, Director General, NHRDN.



*HR Conclave at IM-NU*

The speakers of the conclave were Mr Ketan Bhatt, Principal Partner, Alkemist HR Enablers LLP; Mr Biswajit Roy, General Manager HRD, Indian Oil Corporation Limited; Mr. Rupak Agarwal, Vice President Operations, Godrej Properties Limited; Mr Vasant Rao, Unit HR Head, Kovaya (Aditya Birla Group); and Mr. Saurabh Nigam, VP- HR, Snapdeal.com.

The valedictory session was chaired by Dr K. K. Verma, Management Consultant and founder member, NHRDN Ahmedabad Chapter. Mr. Shakun Khanna, Executive Consulting Head, Smarter Workforce, IBM delivered the valedictory address.

## Finance Conclave

IM-NU organised 'Arthoday 2014-The Finance Conclave on November 22, 2014 on the theme 'Financial Sector- the Road Ahead'. The conclave was inaugurated by Mr. Phani Sekhar, Fund Manager, Angel Broking, Mumbai and he delivered the inaugural address on the topic 'The Challenges in Mutual Fund Industry from the perspectives of Investors, Distributors and Regulators'. The speakers of the conclave comprised professionals from corporate finance field, capital market, banking sector, and consulting field viz. Mr. Rachit Raj, Associate Director-Equities, Union Bank of Switzerland, Securities India Pvt Ltd, Mumbai; Mr. Arun Kumar Bansal, Treasury Head-Indian Bank, Ahmedabad and Mr. Sanjay Upadhyay, CFO, Deepak Nitrite, Vadodara. Mr. Sawan Godiawala, Senior Director, Deloitte, Ahmedabad was the Chief Guest of the valedictory session who spoke about M&A Strategies. The insights provided by the eminent speakers and the opportunity of interacting with them was quite rewarding for the students.

## Executive Diploma Award Ceremony

The Diploma Award Ceremony for Executive Diploma Programme for the batch 2013-14 was organized at IM-NU on November 28, 2014. The Chief Guest of the function, Mr. J. Ravishankar, Head-HRDD, Indian Space Research

Organization (ISRO), addressed the students and gave insights into the Changing World, Importance of Learning and Application of Knowledge on the occasion.



*Dr S. Garimella, Director IM-NU addressing the gathering during the Award Ceremony*

## National Law Day Celebration

IL-NU celebrated the 66th National Law Day on November 26, 2014. The Chief Guest of the function was Hon'ble Justice J. N. Bhatt, Chairman, Gujarat State Human Rights Commission, Former Chief Justice, Gujarat High Court and Patna High Court. The students of the Institute conducted various activities like skits, quiz etc. during the day.



*Hon'ble Justice J. N. Bhatt addressing the gathering at IL-NU*

## Alumni Day

IM-NU celebrated its 'Alumni Day' on November 8-9, 2014 with the theme 'Arabian Nights'. It was an occasion for the alumni to revive their nostalgia and enrich the memorable moments. 174 Alumni working in various parts of the country assembled on the campus for the celebration. A formal function was held in the auditorium where Dr S. Garimella, Director, IM-NU welcomed the Alumni and unveiled the annual Alumni Magazine- Al Inc. This was followed by the experience sharing by the selected Alumni

followed by a series of cultural events. A night football match and a cricket match between the students and alumni and various other sports activities were held during the meet.

## Scholarships Awarded

The meritorious students of IL-NU who were the top-rankers in CLAT were awarded scholarships. The students received the cheques from Dr Anup K. Singh, Director General, NU, Shri K. K. Patel, Chief Operating Officer, NU and Shri D. P. Chhaya, Director, (A&GA). They congratulated the scholars and encouraged other students to aim for academic excellence.



*Mr. Himanshu Vyas at IDS-NU*

## Course on Waterproofing

A National Level Professional Development Course on 'Waterproofing- Myths, Reality and Strategic Approach' was organized by IT-NU during September 19-20, 2014.

## Awareness Session

A NAAC Awareness Session by Dr K. Kotecha, Director, IT-NU was organized on November 15, 2014 for the faculty members of the Institute.

## Lectures by ISTE Faculty Chapters

The ISTE faculty chapter of IT-NU arranged lectures on 'Local Innovations for Sustainable Development: Connecting, Creating, Collaborating, Co-Designing and Communitizing' by Dr Vipin Kumar; 'The Development Outcome across Major Indian States: An Inclusive Growth Index' by Dr Param Shiva Vellala; 'Virtual Reality to Enhance the Reality-Challenges, Scope and Possibilities' by Dr Daiwat; 'Advanced Technologies for Oral Health' by Dr Nehal Sheth and 'Teenage Psychology' by Dr Dipti Joshi during September 8 to 13, 2014.

The ISTE Faculty Chapter- IDS-NU organised expert lecture on 'Managing the Change' by Shri Himanshu Vyas on September 3, 2014.



*Dr Dipti Joshi at IT-NU*

# In Focus

## Industry-Academia Interaction- Bridging the Skills Gap

Prof. Somayajulu Garimella, Director IM-NU

India has witnessed a rapid economic growth during the past couple of decades driven by both manufacturing and services sectors. It is widely acknowledged that to sustain this momentum availability of skilled manpower is essential. However, organizations across a wide spectrum of sectors ranging from banking and financial services, retail, IT and ITES, automobiles, electronics, pharmaceuticals, etc., are increasingly finding it difficult to recruit people with required skills. According to a NASSCOM report, of the 3 million graduates and postgraduates produced by Indian universities and institutes, only 10-15 percent of the technical graduates and 20-25 percent of other graduates possess 'employable' skills required by fast growing IT and ITES sector. This situation exists despite the fact that technical and management schools have proliferated during the last two decades.

The shortage of skilled manpower is partly due to the fact that less than 7 percent of the people in the age group of 18-25 years go to college. Even amongst the small percentage of people who eventually go to college and graduate, many of them are ill-equipped to handle their jobs. This is mainly due to the fact that a majority of the universities and institutes do not upgrade their syllabi to reflect the fast changing needs of the industry. This often leads to industry incurring additional expenditure and effort on training new hires not only in technical skills but in developing other required competencies such as soft skills, team building, project management, etc. Compounding this problem further, only a handful of reputed institutions are generating a small number of graduates of good quality while many of the new ones are producing graduates of uneven quality in large numbers.

The obvious solution to bridge the skills gap is to have a closer interaction between industry and academia. This has been acknowledged and discussed in various forums and several approaches have been suggested. Despite this the situation has not improved much. Some of the reasons for limited interaction between academia and industry include:



- Industry professionals believe that little can be gained by reaching out to academicians since both do not share a common agenda particularly in the area of research. Academicians generally focus on fundamental research which may not have implications in the short term while industry professionals believe research should solve immediate problems. For instance, academic researchers do not focus on ways to reduce cost and increase efficiencies which the industry requires to compete and survive.
- Academicians are interested in carrying out research which can be published in academic journals in order to gain recognition of their peers. This type of research is generally of little interest to industry. Since industry does not sponsor research projects which are more fundamental in nature, academicians do not reach out to industry for support and collaboration.
- Limited opportunities exist for industry professionals and academicians to interact. Academic conferences

and seminars are not attended by industry professionals and similarly academicians do not attend events organized by professional bodies.

- The course syllabi to a large extent is focused on theory and concepts and in many cases examination oriented. There is little scope to include sessions by guest faculty from the industry to share their experience and provide industry perspective. In the process, students gain limited exposure to the industry practices.

There are many other reasons for lack of collaboration between academia and industry which needs to be addressed to bridge the skills gaps discussed earlier. Fortunately, in recent years industry has come forward to partner with academic institutions to prepare students to be more industry ready so that they can 'hit the ground running'. Companies such as Infosys, Wipro, Cisco and others are actively working with engineering colleges to prepare fresh graduates for careers in software programming. Many multinational companies are also collaborating with academic institutions on initiatives such as faculty development and upgradation, student internships, curriculum revision workshops, etc.

Similarly academic institutions can contribute to bridging the skills gap by offering executive diploma and management development programmes to upgrade the knowledge and skills of industry participants since they have qualified faculty, required courseware and ready infrastructure. The programmes can be tailored to the requirements of the industry and they can be conducted at a mutually convenient venue. These types of programmes will not only serve the intended purpose but will also help the faculty members to have better understanding of industry practices.

The classroom interactions with the working professionals can also open up research and consulting opportunities for the faculty.

Research is an area where academicians can provide tremendous benefit to the industry. So far Indian companies have mainly focused on issues such as cost control and management, productivity improvements, etc, which can help them tide over short-term crises but for long-term survival and growth, innovations hold the key. Research and development in Indian organizations is mainly confined to tweaking existing products and process and hence very few innovative products and processes have emerged from their R & D efforts. This does not auger well for Indian companies which are facing intense competition from both domestic and international competitors. To enhance their competitiveness, industry should collaborate actively with academicians because they possess skills to identify problems and conceptualize solutions so essential for developing new technologies which the industry professionals woefully lack. However, academic researchers on their part should shed their bias for basic research and take up research projects useful to the industry.

In recent times, realizing that industry and academia can develop a mutually beneficial and symbiotic relationship, several new initiatives such as the ones by Infosys, Wipro, Cisco, etc., have been launched which bodes well for robust and mutually beneficial industry-academia linkages. Much more needs to be done to bridge the skills gap which requires rebooting higher education through a more active collaboration between industry and academic institutions. This will not only benefit the industry but will serve a more important mission of fulfilling the aspirations of young people embarking on their career and thus benefitting the society at large now and well into the future.



## Research & Development

Institute	Area of Research	Name of Faculty	Title of Research	Funding Agency	Amount in Rs. in Lacs
IP-NU	Infectious Disease	Prof. Manjunath Ghate	Liquid Phase Combinatorial Synthesis of Benzimidazole Library for Antitubercular Activity	Department of Science and Technology	34.00
IP-NU	Clinical Pharmacology	Dr Snehal Patel	Investigation into the Prevalence of Pre-Diabetic Status in Gujarati Population and Evaluation of its Association with various Risk Factors	Research Society for Study of Diabetes in India	1.95
IM-NU	Economics, Finance & Public Policy	Dr Yogesh Doshit	District Human Development Report (DHDR) for Rajkot District, Gujarat	Gujarat Social Infrastructure Development Society (GSIDC)	6.00
			District Human Development Report (DHDR) for Junagadh District, Gujarat		6.00
			Preparation of Supplementary Report for Gujarat State Third Finance Commission	Gujarat State Third Finance Commission (GSTFC)	1.50
	Operations Management	Rajesh K. Jain	Developing e-tailing Operations Strategy in India	Nirma University	.50

## Industry Interface

### Testing work undertaken at IT-NU

Department	Title	Organization	Date
Department of Civil Engineering	Tensile Test	ONGC Ltd.	September 2014
	Cube Compressive Test	Shree Ambika Infra. Co.	September 2014
Department of Mechanical Engineering	Thermal Conductivity, Shot Content, Moisture, Density, Sulphur Content, Incombustibility	Phoenix Pvt. Ltd, Ahmedabad	September 2014
	Thermal Conductivity	Perma Pipe, UAE IHI Corporation, Mumbai	October 2014 October 2014
	Thermal Conductivity	Polybond Insulation Pvt. Ltd., Bhilai	November 2014
	Thermal Conductivity, Flexural Strength, Water Absorption	Withindia Building Solutions, Ahmedabad	November 2014
	Thermal Conductivity, Compressive Strength	Sintex Industries Ltd., Kalol	November 2014

## Consultancy work

Institute	Faculty	Title of Consultancy	Address of the Collaborative Organization
IT-NU	Dr R. N. Patel, Dr V. J. Lakhera Prof S.V. Jain	Redesign of HRU Unit	Inspiron Engineering Pvt. Ltd., Ahmedabad
IM-NU	Dr Somayajulu Garimella Dr Anamika Sinha	HR Audit	Mishra Dhatu Nigam Ltd, Hyderabad
IP-NU	Dr Sanjeev Acharya	Development of Curcumin and Amla based Products	K. Patel Phyto Extract Pvt. Ltd., Mumbai

## Management Development Programme

IM-NU organised a programme on 'Leadership' for Gujarat State Fertilizers and Chemical Limited during September 23-24, 2014.

## Academic Development and Research (ADR) Cell

### Workshop on Plagiarism

ADR Cell and IL-NU jointly organized a workshop titled 'Plagiarism: Problems and Challenges' on September 30, 2014 with an objective to spread awareness amongst the faculty members and elicit academic integrity and furtherance of best practices in the area of research and academic pursuits. On this important forum for deliberations an effort was made to come to terms with latest developments in the area of identification, global standards and action plan to avoid plagiarism in all forms.

## Centre for Continuing Education (CCE)

CCE organized following programmes:



Workshop on 'Dramatics' at IL-NU during September 6-7, 2014



FDP on 'MIMO Wireless Communications' at IT-NU during September 13-14, 20-21 and 27-28, 2014



One Day Training Programme on 'Power System Analysis and Simulation' at IT-NU on September 13, 2014



Workshop on 'Modelling, Analysis and Simulation of Electrical Power System' at IT-NU on September 27, 2014



*Workshop on 'Refrigeration Mechanic' during October 29-31, 2014*



*Gujarati Proficiency Classes at IL-NU during November 11-20, 2014*

## Extension Activities

### An Awareness Camp at Chharodi



*The students of IT-NU along with the school children of Chharodi Village*

The students of IT-NU organized an extension activity for the villagers of Chharodi Village, Ahmedabad on September 27, 2014 with the objective to spread awareness amongst the villagers about the need to conserve electrical energy. It also aimed at informing the villagers about the safety measures that must be taken to avoid accidents due to mishandling of Electrical equipment.

### Visit to Old Age Home

The students of NIPSA, IP-NU went to Maniben Tribhuvandas Matrugh on September 21, 2014. They distributed sanitary kits and arranged bhajans and garba followed by refreshment for the inmates of the home.

### Workshop on Managing Social Projects

IM-NU organised a one day workshop on September 26, 2014 to start and roll out its field course called 'Managing Social Projects' (MSP). The Chief Guest of the Workshop was Prof. Ganesh Devy, Chair, People's Linguistic Survey of India

and Bhasha Research & Publications Centre. He emphasized that not the mind-set of charity alone, but strong sense of humility and commitment is actually needed to bring a change in the society. The other speakers in the workshop were Ms. Rihana Rheawala, Elected Secretary of Self Employed Women's Association (SEWA), Prof. Bindi Mehta and Prof. Satish Nair of IM-NU.

### Paint your Dreams

IM-NU organized the event 'Paint Your Dreams: Where every dream is precious' on November 30, 2014. Around 320 kids from various NGOs in Ahmedabad like Sewa, Helpline Education, Visamo Kids, Apang Manav Mandal, Manav Sadhna and Saral participated in the event. The day started with a painting competition for all the children based on the theme. The children unleashed their hidden creative talents, some chose to stick to the tried and tested while many others went ahead with varied interpretations of the world around them. The theme of the painting competition was 'Paint Your Dreams'-a platform for the kids to express themselves and communicate their dreams through their drawings. An exclusive screening of animated movies, a magic show and a puppet show were also part of the event.



*The participants of the Painting Competition at IM-NU*

## An Awareness Programme at Koba Village

On the occasion of National Legal Literacy Day the Legal Aid Committee of IL-NU conducted an Awareness Programme on the socio-legal issues of Child Labour and Child Marriage in Koba Village, Gandhinagar with the support of the village Panchayat, under the guidance of the Sarpanch Shri Yogesh Bhai Parekh and Shri Tushar Bhai. The issues were addressed through Nukkad Natak followed by speeches and presentations by the students.

## Faculty Corner

### Faculty Awards

**Prof. Manjunath Ghate**, Director, IP-NU has been awarded a grant of fifty-five lac rupees under the fund for Improvement of Science and Technology Infrastructure (FIST) for the year 2014-19 from Department of Science and Technology, Government of India. Prof. Manjunath Ghate, Director and Dr Mayur Patel of IP-NU made the presentation before the DST FIST committee.



**Dr P. N. Tekwani** of IT - NU, received the 'ISTE-CVM Award for the Best Engineering College Teacher in the Gujarat State'. The award was presented at the Inaugural Function of the 44th Annual National Convention of Indian Society for Technical Education (ISTE), New Delhi on November 27, 2014. The Convention was organized and hosted by CET, Thiruvananthapuram, Kerala.



**Prof. Nina Muncherji** of IM-NU was honoured with an Award for the Best Professor in HRM and **Prof. Khyati Desai** of IM-NU was honoured with an Award for the Best Professor in Entrepreneurship by 22nd Business School Affaire and Dewang Mehta Business School Awards in association with Hindustan Unilever Ltd at Taj Lands End, Mumbai on November 15, 2014.

**Prof. Anand Patel** of IDS NU received ISTE Calcutta Convention National Award for the best paper presented by teachers at the Annual Convention of ISTE (Polytechnic) for his technical paper entitled 'Technical Education in 2020s: An Indian Perspective' at T.K. Institute of Engineering and Technology, Warananagar during November 19-20, 2014.



### Faculty Achievements

**Dr K. Kotecha, Thakkar Ankit** of IT-NU, paper titled 'Cluster Head Election for Energy and Delay Constraint Application of Wireless Sensor Network, IEEE Sensors Journal has been one of the 25 most downloaded Sensors Journal Papers in the months of July, August, and September 2014.

A Patent titled 'A Novel Unsupervised Video Surveillance System' has been jointly filed by **Dr K. Kotecha** and **Prof.**

**Sharnil Pandya** of IT-NU on November 11, 2014 with Application Ref. 3552/MUM/2014.

**Prof. Jigna Shah** of IP-NU received S. Vajpayee Award for Best Research Paper (Gold Medal) presented at BPCON 2014 24th Annual Conference of Indian Society of Hypertension Ahmedabad during September 26-28, 2014.

**Ms. Nagja Tripathi** of IP-NU received second prize in poster presentation at the National Conference on 'Herbal Drug Research: Opportunities and Challenges' held at B. V. Patel Pharmaceutical Education & Research Development (PERD) Centre, Ahmedabad during November 5- 7, 2014.

**Dr Niyati Acharya** of IP-NU received First Prize and **Dr Hardik Bhatt** of IP-NU received Second Prizes for Best Poster at International Symposium on Recent Trends in Cancer Research from OM to OMICS, GCRI, Ahmedabad on November 24, 2014.

## Faculty Recognitions

**Dr K. Kotecha** of IT-NU has been appointed as a Member in the Committee of Ahmedabad Metro Project, Metro Link Express for Gandhinagar and Ahmedabad (MEGA) Company during September 2014.

**Prof. Utpal Sharma** of IA-NU was nominated by Government of Gujarat for Vibrant Gujarat promotional visit during September 4-13, 2014 to Singapore, Hong Kong, Xiamen, Shanghai and Beijing. He also visited Universities in Shanghai and Beijing for potential collaborations.

He was invited as the resource person by UN Habitat as a keynote speaker for a Conference on 'Sustainable Cities' at Colombo- Sri Lanka during September 15- 16, 2014; conducted a workshop on 'Disaster Risk Reduction Framework for Vietnam' at the Ho Chi Minh City during October 8-10, 2014 at the invitation from Ministry of Natural Resources, Government of Vietnam and has been appointed as expert member on 'Flood Control for the City of Guwahati' by the Government of Assam and visited Guwahati on October 21 and November 5, 2014 for the same.

**Prof. M. A. Upadhyay** of IT-NU was appointed as Session Chair for IEEE TENCON-2014, Bangkok, Thailand during October 22-25, 2014.

**Prof. Vimal Kumar** of IP-NU chaired a scientific session at National Conference on 'Herbal Drug Research: Opportunities and Challenges' held at B. V. Patel

Pharmaceutical Education & Research Development (PERD) Centre, Ahmedabad on November 6, 2014.

**Prof. Rajesh Jain** of IM-NU has been elected as Vice-Chair, ASQ Ahmedabad Local Members Community for 2014 and elected as National Council Member of Indian Society for Training and Development, New Delhi for the year 2014-15. He has also been appointed as member on Reviewers Board of Horizon Research Publishing, USA for the year 2014-15.

**Dr A.C. Brahmabhatt** of IM-NU has been appointed by Consumer Education and Research Society (CERS) as Member, Governing Body.

**Prof. Sameer Pingle** of IM-NU was invited to Head Panel of Assessment Centre by GVK- Emergency Management Research Institute, Ahmedabad for employee promotion on November 24, 2014 and invited by Hof University of Applied Sciences, Germany to teach a course on 'Human Resource Management and Leadership in India' during October 9-19, 2014. He was also appointed as Reviewer for Global Business and Technology Association- 2014 Annual International Conference scheduled at Baku, Azerbaijan.

**Dr Harmik Vaishav** of IL-NU has been invited as member of the Editorial Board of South-Asian Journal of Multidisciplinary Studies, ISSN-2349-7858.

## Ph. D. Awarded

**Prof. Vivek Vyas** of IP-NU, has been awarded PhD in Pharmacy in September, 2014 for his thesis entitled 'Design and Synthesis of Human Dihydroorotate Dehydrogenase (hDHODH) Inhibitors as Anticancer Agents' under the guidance of Prof. Manjunath Ghatge.



## Expert Lectures Delivered by Faculty

**Dr M Mallikarjun** of IM-NU spoke on 'Time Series Issues in Research' as a Resource Person for Research Methodology Workshop, Department of Economics, AMU Aligarh on September 05, 2014.

**Prof. Priti Mehta** of IP-NU delivered an expert lecture on 'Recent Advances in Sample Preparation Techniques in Bio Analytical Method Development' at a seminar series on various aspects of Pharmaceutical Analysis organized by B V Patel PERD Centre, Ahmedabad on September 12, 2014.

**Prof. Tejal Mehta** of IP-NU delivered an invited talk on 'Bioavailability Enhancement using Nano Suspension' and chaired a session in one day workshop at CII, Ahmedabad on October 10, 2014.

**Prof. Vimal Kumar** of IP-NU delivered invited talk on 'Supercritical Fluids Technology (SFT) in Drug Delivery and Drug Discovery in National Seminar on 'Recent Advancement in Drug Delivery Techniques and Drug Designing' sponsored by MPCST on September 27, 2014 at Peoples University, Bhopal and another talk on 'Advances in Herbal Medicines and Nutraceuticals for Human Health' in International Conference on 'Progress and Advances in Human Health Management and Healthcare Reforms' organized by Adina Institute of Pharmaceutical Sciences, Sagar (MP) on October 11, 2014.

**Prof. Anand Patel** of IDS NU, presented a paper titled 'A Case Study of Implementing Quality Improvements in Inter-Departmental Activities at an Educational Institution' in International Conference on Quality- Tokyo 2014, Japan, Organized by Union of Japanese Scientists and Engineers

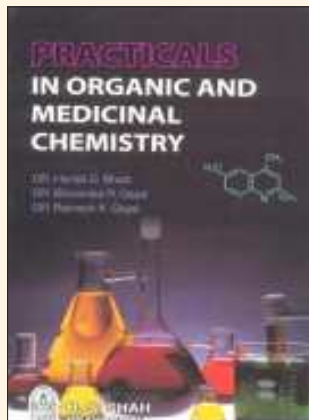
(JUSE), Japan in collaboration with American Society for Quality, European Organization for Quality and International Academy for Quality from October 19 to 22, 2014.

**Dr Vijay Kothari** of IS-NU delivered a talk entitled 'Microwave assisted Extraction Method for Preparation of Bioactive Plant Extracts' at the Asian Plant Science Conference at Nepal during November 1-3, 2014 and another talk on Plant Tissues at BISAG Studio, Ahmedabad, as a part of GUJCOST-MSQ TV Programme on September 29, 2014. He reviewed a manuscript (ref no. ART 241) for the journal 'Universitas Scientiarum' Colombia.

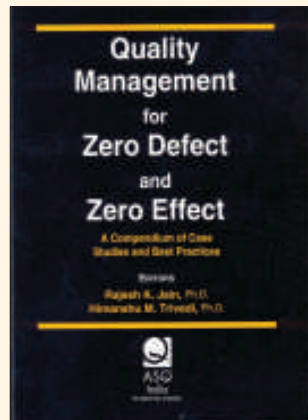
**Prof Utpal Sharma** of IA-NU delivered a lecture at Cotton College State University, Guwahati on 'Metropolitan Planning: A Case Study of Hyderabad' on November, 5, 2014.

**Dr S. C. Vora** of IT-NU delivered an expert lecture on 'Power System Studies' at GETCO, Vadodara on November 21, 2014.

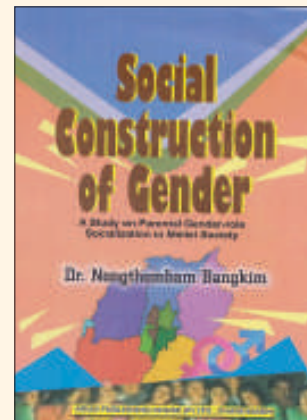
## Books Published



**Bhatt Hardik, Goyal Bhoomika** of IP-NU, Goyal Ramesh, 'Practicals in Organic and Medicinal Chemistry' B.S. Shah Prakashan, Ahmedabad, 2014, Third Edition, ISBN 81-8416-041-0



**Jain Rajesh K.** of IM-NU, and Trivedi Himanshu M. 'Quality Management for Zero Defect and Zero Effect', ASQ India, 2014, ISBN 978-81-930216-0-6



**Singh Nongthombom** 'Social Construction of Gender: A Study on Parental Gender-Role Socialization in Meitei Society', Arun Publishing House Pvt. Ltd., 2014, ISBN 978-81-8048-264-9

## Papers Published in International Journals/Magazines

**Awasthi A. K** of IM-NU (co-authored), 'Consumers' Perceptions and Behaviour about Brands: Effect of Complaint Resolutions on Social Media', International

Journal of Marketing and Business Communication, 3 (3&4), 76-80, November 2014.

**Bhatia Jitendra** of IT-NU, 'Adaptive Message Passing in VANET', International Journal of Computer Science and Communication, 5(1), pp. 68-73, September 2014.

**Bhatia Jitendra** of IT-NU, 'Security Model based on Network Coding and Homomorphic Encryption for Content Distribution in Vanet', International Journal of Computer Science and Communication, 5(1), pp. 130-135, September 2014.

**Bhatia Jitendra** of IT-NU, 'Sentimental Analysis and Big Data Processing', International Journal of Computer Science and Communication, 5(1), pp.136-142, September 2014.

**Bhatt Hardik** of IP-NU Agrawal Yadendra, Patel Manish 'Amino- and Fluoro-substituted Quinoline-4-Carboxylic Acid Derivatives: MWI Synthesis, Cytotoxic Activity, Apoptotic DNA Fragmentation and Molecular Docking Studies' Medicinal Chemistry Research, DOI- 10.1007/s00044-014-1248-x, September 2014.

**Bhavsar Madhuri** of IT-NU, 'Optimization of Clustering Techniques using Energy Thresholds in Wireless Sensor Networks', International Journal of Advanced Research in Engineering and Technology, 4, pp. 7, September 2014.

**Chugan P.K.**, Shivangi Singh of IM-NU 'Taxonomy for Measurement of Firm-level Export Performance', Universal Journal of Industrial and Management, 2(8), pp 193-199, December 2014.

**Dhaivat Parikh, Tejal Mehta** of IP-NU, Om Prakash Sharma, Mahek Shah, 'Formulation Optimization of Gastroretentive Drug Delivery System for Allopurinol using Experimental Design' Expert Opinion on Drug Delivery, DOI - 10.1517/17425247.2014.944861, 2014.

**Dwivedi A. H.** and **Pillai S. G.** of IT-NU, 'Photosensitized Reactions: An Important Route of Reaction in Photochemistry', International Journal of Advanced Technology in Engineering and Science, 2(1), September 2014.

**Gandhi Dipal, Mehta Priti** of IP-NU, 'Pharmacognostical Study and Quality Control Parameters of Dillenia indica Linn and Dillenia Pentagyna Roxb.: A Boon of Ethnomedicinal Herbs of India' International Journal of Pharmacognosy and Phytochemical Research, 6(3), 573-579, 2014.

**Ghetiya N. D., Patel K.M.** and S.J. Makvana of IT-NU on, 'Determination of an Optimum Parametric Combination using a Tensile Strength Prediction Model for Friction Stir Welded AA8011 Aluminium Alloy', International Journal of Manufacturing Research, 9 (3), pp 258-275.

**Jha Dhaval** of IT-NU 'Survey on Software Quality Assurance', International Journal of Computer Science and

Communication, 5, pp.147-149, March-September 2014.

**Joshi Digesh D.** and **Patel Paresh V.** of IT-NU 'Applied Element Method: Evolution and Applications' IUP Journal of Structural Engineering, VII (4), pp. 16-34, ISSN 0974-6528, October 2014.

**Joshi Shashikant J.**, Manepatil S of IT-NU, 'Stress Intensity Factors for an Inclined and / or Eccentric Crack in a Finite Orthotropic Lamina' in International Journal of Latin American Journal of Solids and Structures, 11, pp. 1886-1905, 2014.

**Kothari Charmy, Nrupesh Patel** of IP-NU, Chintan Patel, 'Quantitative Determination of Donepezil Hydrochloride by A Simple and Accurate Synchronous Spectrofluorimetric Method' in Human Plasma J of Young Pharmacist, 6(4), 47-50, 2014.

**Kothari Charmy, Patel Nrupesh** of IP-NU, Chintan Patel, 'Bioanalytical Method Development and Validation of Memantine Hydrochloride by Sensitive and Accurate Spectrofluorimetric Method Using OPA  $\beta$ -Mercaptoethanol as Derivatizing Agent, Indian Drugs, 51(9), 12-16, 2014.

**Kothari Vijay** of IS-NU and three others published 'Microwave Mutagenesis for Altered Lactic Acid Production in 'Lactobacillus Plantarum, and Streptococcus Mutans', Current Trends in Biotechnology and Pharmacy, 8(4), 402-412, 2014.

**Kothari Vijay** of IS-NU and three others, 'Effect of Certain Natural Products and Organic Solvents on Quorum Sensing in Chromobacterium violaceum' Asian Pacific Journal of Tropical Medicine, 7(1), S204-S211, doi: 10.1016/S1995-7645(14)60233-9.

**Lakdawala A.,** Gada V.H., Sharma A. of IT-NU, 'Dual Grid Level Set Method for Computational – Electro Multi Fluid Dynamics Simulation' in International Journal Numerical Heat Transfer, Part B, 67, pp.161-185, 2014.

**Mehta Priti J.** of IP-NU, 'Determination of Assay and Uniformity of Content of Ramipril and Telmisartan in their Multiple Dosage Forms by Developed and Validated Supercritical Fluid Chromatographic Technique', Analytical Methods, 6 (17), 2014, 7068-7074.

**Mehta Priti J.** of IP-NU, 'Paediatric Formulation Development: Opportunities and Challenges, International Journal of Pharmaceutical Science Review and Research, 24(2), 137-143, 2014.

**Mehta U. S.** of IT-NU, 'Design and Implementation of 2-Axis Circular Interpolation Controller in Field Programmable Gate Array (FPGA) for Computer Numerical Control (CNC) Machines and Robotics', *International Journal of Computer Applications*, 106 (13), pp 1-7, November, 2014.

**Mehta U. S.** of IT-NU, 'Design and Implementation of 3 Axis Linear Interpolation Controller in FPGA for CNC Machines and Robotics', *International Journal of Advance Research in Engineering and Technology*, 5 (9), pp 52-62, September 2014.

Nimse Rohit B., **Joshi Digesh D.** and **Patel Paresh V.** of IT-NU 'Behaviour of Wet Precast Beam Column Connections under Progressive Collapse Scenario: An Experimental Study' *International Journal of Advanced Structural Engineering*, 6, pp 149-159.

**Pal Supriya Gautam** of IA-NU, 'Architecture and Nostalgia of Urban Ruins-Case Study' Chandigarh Government Press, Chandigarh' Conference Proceedings- Neo International Conference on Habitable Environment at Lovely Professional University, ISBN: 978-1-63415-470-3, 2014.

**Patel Mayur** of IP-NU, 'Getting into the Colon: Approaches to Target Colorectal Cancer' *Expert Opinion on Drug Delivery*, 11(9), 1343-50, September 2014.

**Patel Usha** of IT-NU 'FPGAC- High Level Synthesis Tool', *International Journal of Computer Science and Communication*, 5(1), 150-153, September 2014.

**Rajkumar Shalini** of IS-NU and nine others, 'Biodegradable Gelatin-Ciprofloxacin-Montmorillonite Composite Hydrogels for Controlled Drug Release and Wound dressing Application', *Colloids and Surfaces B: Biointerfaces*, 122 pp 175-183.

**Rajkumar Shalini** of IS-NU and three others, 'Application and Evaluation of Layered Silicate-Chitosan Composites for Site Specific Delivery of Diclofenac', *Biocybernetics and Biomedical Engineering*, 58, 1-8, 2014.

**Rajkumar Shalini** of IS-NU and three others, 'Nervous Translation, do you get the message? A Review of mRNPs,mRNA-Protein Interactions and Translational Control within Cells of the Nervous System' in *Cellular and Molecular Life Sciences*, 71, pp 3917-3937.

**Rijwani Parag** of IM-NU, 'Financial Performance Measurement of Indian Banks using Data Envelopment Analysis Method', *Journal of Accounting and Finance*, 28, (2),

pp 54-64, September 2014.

**Sameer Pingle** of IM-NU, (co-authored) 'Study of Talent Acquisition Practices- A Review on Global Perspectives', *International Journal of Emerging Research in Management and Technology*, 3(11), pp. 80-85, Impact Factor: 1.492, November 2014.

**Saraswat Pranav** of IL-NU, 'E- Dimension of Balance Scorecard: Strategy Implementation through IT', *International Journal of Advances in Computing and Management*, 3 (1), 28-33.

**Savjani Jignasa** of IP-NU, Thakor Twara 'Synthesis and Cell Line Study of Pyrazole Substituted Coumarin Derivatives', *International Journal of Pharm Tech Research*, 6(4), 1397-1406, 2014.

**Shah Jigar, Mehta Tejal** of IP-NU, Shah Kashyap, 'Hydroxy Propyl  $\beta$ -cyclodextrin Complexation of Promethazine Hydrochloride for the Formulation of fast Dissolving Sublingual Film: In Vitro and In Vivo Evaluation' *Journal of Pharmaceutical Investigation*, DOI: 10.1007/s40005-014-0150-3, 2014.

**Shah Parin** of IT-NU, 'Application of Green Chemistry Principles in Organo-Grignard Reactions', *International Journal of Advance Research in Science & Engineering*, 3 (1), 454-458, September 2014.

**Shah Parin** of IT-NU, 'Application of Nano-scale Zero-Valent Iron for Wastewater Treatment', *International Journal of Research and Scientific Innovation (IJRSI)*, I (VII), 342-344, November-2014.

**Vaishnav Harmik** of IL-NU, 'Hind Swaraj and Sustainable Development', *Gujarishh, International Journal of Ganpat University, Gujarat* 1(2), ISSN No 2319- 8923.

**Vyas Tarjni** of IT-NU 'Movie related Information Retrieval using Ontology based Semantic Search', *International Journal of Computer Science and Communication*, 5, pp. 63-67, September 2014.

## Cases Published

**Pingle Sameer** (Co-authored), *Performance Problems: Whom to Blame?* in *The Case Centre*, UK, Reg. Nos: 414-105-1, 414-105-8, November 2014.

## Staff Corner

**Dr Lalitha Poluru** of IP-NU delivered a lecture on 'Interpersonal Communication Skills for Librarians' on November 11, 2014 at Advanced Training Programme on ICT Applications for Librarians, conducted by INFLIBNET Centre, (IUC of UGC) Gandhinagar during November 10 - 30, 2014.

**Dr Atul Bhatt** of IL-NU published research paper entitled 'Information Needs, Perceptions, and Quests of Law Faculty in the Digital Era' in 'The Electronic Library, Volume 32, Issue 5, October 2014 with ISSN 0264 – 0473.

## Foundation Day

**IS-NU** celebrated its Tenth Foundation Day on September 06, 2014. Dr K.V. S. Rao, International Centre for Genetic Engineering and Biotechnology (IGCEB), New Delhi was invited as the Chief Guest. Dr Anup K. Singh, Director General, NU presided over the function and delivered the presidential address. Prof. Sarat Dalai, Director, IS-NU delivered the welcome address. The other invited distinguished guest was Dr Akanksha Chaturvedi, Indian Institute of Science Education and Research, Pune. She spoke on 'Integrating the B Cell Receptor & Toll like Receptor Signalling'. Tree Plantation, Scientific Poster Presentation, Felicitation of the outstanding faculty and students of the Institute and cultural performances by the students were the other programmes organised during the day.



*Dignitaries on the dais during the Foundation Day Celebration at IS-NU*



*(Seen in the photograph L-R) Prof. V. R. Iyer, Director IDS-NU; Shri D. P. Chhaya, Director (A&GA), NU; Dr Anup K. Singh, Director General, NU and Shri K.K. Patel, Chief Operating Officer, NU during the foundation day at IDS-NU*

Foundation day of **IP-NU** was celebrated on October 1, 2014. The Chief Guest of the function was Dr Chirag Desai, Director, Hemato-Oncology Clinic and Vedanta Institute of Medical Sciences, Ahmedabad. Various competitions like T-shirt painting, Documentary making, Rangoli, Debate, Elocution and Extempore were held. In addition faculty members, alumni and students of B. Pharm were felicitated for their exceptional performances.



*A Glimpse of the Foundation Day Celebration at IP-NU*

**IDS- NU** celebrated the Foundation Day on September 16, 2014. The events such as Inter Department Project Competition, General Knowledge Quiz Competition, Instrumental Music Talent Competition, Antakshari, Collage and Group Discussion Competition were held.



*Robotics and BAJA-SAE teams of IT-NU with the dignitaries*

IT-NU celebrated its Foundation day on October 01, 2014. The faculty and the students were felicitated by dignitaries for their outstanding achievements during the course of the year.

## Students' Corner

### Students' Achievements

**Priyanka Padmanabhan** and **Ankit Kumar** of IT-NU were awarded the bronze medal in the '45th All India Students Design Competition' organized by National Design and Research Forum (NDRF) in the Chemical Engineering discipline for their project entitled 'Design of Heat Exchanger with Horizontal Baffles' on November 16, 2014 at Vishakhapatnam. The project was guided by Prof. Leena Bora.

**Priya Balasubramaniam** of IT-NU bagged the ISTE-IPCL Best M.Tech. Thesis National Award for the project on 'Design and Simulation of Cryogenic Columns in Air Separation Unit'. The project was guided by Dr M. H. Joshipura.

**Krishna Trivedi** of IT-NU received scholarship award worth \$ 3000 from International Society for Automation to pursue her career in the field of Instrumentation, Automation and related areas.

**Shradha Patel** of IP-NU received three first prizes and two second prizes in swimming competition organized at Khel-Mahakumbh-2014 organized by The Sports Authority of Gujarat, Gandhinagar.

IL-NU team represented by **Devansh Agrawal**, **Akansha Agrawal** and **Kunal Solanki** won the Best Memorial Award in the Third International Banking and Investment Law Moot Court Competition 2014, Seedling School of Law &

Governance, Jaipur National University, Jaipur held during October 10-12, 2014.



**Alind Chopra**, **Bobby Jain** and **Chiranjeev Saboo** of IL-NU won the Indraprastha National Moot Court Competition 2014 at University School of Law and Legal Studies, GGS Indraprastha University held during October 10-12, 2014.



**Vaibhav Goyal, Anshuman Swamy and Vibhuti Khetan** of IL-NU won the Best Memorial Award in the Eighth Pro Bono Enviro National Moot Court Competition, 2014 organised by School of Excellence in Law, Tamil Nadu Dr Ambedkar Law University, Chennai held during October 17-19, 2014.



IL-NU team represented by **Shahrukh Khan, Prapti Patel and Soumya Vaishy** won the Second Vivekananda Institute of Professional Studies International Moot Court Competition, 2014 held during November 7-9, 2014.



**Arpit Singhvi, Ronit Joy and Vaibhav Kumar** of IL-NU won the Bar Council of India Trust, Thirtieth All India Inter University Moot Court Competition 2014 hosted by Llyod Law College, Greater Noida. The competition was held during November 7-9, 2014.



## Papers Published/ Presented

**Manvi Damle and Apeksha Sizaria** of IL-NU published a research paper titled 'Medical Negligence in India' in International Journal of Legal Research, Volume 1, Issue 1 and ISSN 2349- 8463.

**Rushali Srivastava and Spandan Saxena** of IL-NU attended the Second National Conference on Law and Justice organized by Auro University, Surat and their paper titled 'Human Rights and Good Governance' was published in the Journal printed with ISBN 13: 9788192818931.

## Poster Presentations

**Palak Patel**, Ph.D. student of IS-NU presented a poster entitled 'Protein Structure Prediction, ligand-Based Pharmacophore Modelling, Virtual Screening, Docking and in silico ADMET Analysis for the Discovery of Novel Human Islet Amyloid Polypeptide (Hiapp) Fibrillation Inhibitors' at the Indo-US Conference on Molecular Modelling and Informatics in Drug Design held at National Institute of Pharmaceutical Education and Research, Mohali, Punjab, November 3-6, 2014.

Poster presentations were done by the PhD Students of IS-NU entitled 'Audible Sound in Form of Music can influence Microbial Growth, Metabolism and Antibiotic Susceptibility' by **Niral Sarvaiya**; 'Hydrocarbon Degradation Efficiency of the most abundant Bacteria isolated from combined Industrial Effluent Treatment Plants of South Gujarat Region' by **Purvi Zaveri** and 'Investigation of Influence of Engineered Metal-Oxide Nanoparticles on Soil Microflora' by **Rushika Patel**, during the 55th Annual Meeting of Association of Microbiologists of India; National Conference on Empowering Mankind with Microbial Technologies, Coimbatore held during November 12-14, 2014.

## Students' Activities

### Academic Initiatives

#### National Level Innovative Design Competition

RCNI of IT-NU organized the design competition 'Renewable Car Challenge' conducted by Concept Hyundai. The competition motivated students in thinking and designing of a car which would be renewable in nature in addition to possessing supersonic features in order to make it more cost viable. Rishi Malhan and Prahar Bhatt, of IT-NU secured first position in the competition. They presented a revolutionary design of a versatile 'Turret Car' and modelled the same.



*Winners of the Renewable Car Challenge at IT-NU*

#### IFEST-2014

ISTE Students Chapter- IT-NU organized IFEST-2014, A National Level Techno-Cultural Symposium in the month of October 2014. Inter college competitions such as robotics, football, paper presentation, stream wise technical events, quizzes, debates and many more such competitions were conducted. Approximately 3500 participants from more than 100 colleges participated in the event.



*Enthusiastic participants during IFEST organised at IT-NU*

#### TI Analog Hardware Design Contest

Electronics and Communication Student Organization (ECO), IT-NU, organized TI Analog Hardware Design contest on October 17, 2014. More than 50 teams participated in the same.



*TI Analog Hardware Design Contest at IT-NU*

#### Technofora 2014

ISA Students' Chapter of IT-NU organized a two day Techno-management festival, Technofora'14 during November 14-15, 2014. Dr Niranjan Mohanlal Vyas, Retired Dean, University of South Carolina was invited as the Guest of Honour for the inaugural function of the event. The technical magazine by the ISA Students' Chapter, MagIC, was also launched during the event. Over 500 participants participated in the various technical events like Sixth Sense workshop, General Quiz (Sprints) and E-Mania.



*The technical magazine MagIC being released during the occasion*

## Innovative Business Idea Contest

The Swayam Club of IM-NU organized a major intra-institute event 'Idea Generator' on October 8, 2014 where a whopping 34 teams from the various programmes of the Institute participated. The student participants came up with many innovative business ideas like online portal for patients, app for festivals, portable food heater, etc. The teams of the event were judged on their presentation, clarity of thought, innovativeness and persuasion skills.

## Being Sociopreneur

The Swayam Club of IM-NU with the support of Centre for Innovation, Incubation and Entrepreneurship, IIM-A

organized a three day workshop-cum-competition 'Being Sociopreneur' on November 23, 25 and 26, 2014. The event aimed at creating awareness and promoting the concept of Social Entrepreneurship. The workshop exposed students to possible avenues in social entrepreneurship, by interacting with the experts and successful sociopreneurs, forming teams with diverse skill sets and worked on a social enterprise idea over the 3-day period. The students from various disciplines like management, law, engineering and designing participated in the workshop. The resource persons of the workshop were Mr Sombodhi Ghosh, Aakar Innovations, Mr. Ashwin Joshi from CIIE Team and Prof. Satish Nair of IM-NU. At the end of the workshop the teams presented their ideas and the best two teams were awarded prizes.

## Foreign Industrial Visit to China, Hong Kong

An Industrial Visit comprising domestic and foreign destinations as part of the MBA (FB&E) Programme Curriculum was organized by IM-NU for the students during October 5-21, 2014. A total of seven factories, Canton Trade Fair- The major World Trade Fair of China, several Wholesale Markets, besides many other places of historical importance were included in the visit. The students also had interaction with India-China Industrial Association in China and also with Hong Kong Trade Development Council in Hong Kong. Two Expert Lectures by Ms. Vicky Zhu, China representative of Family Business Network Asia, at Shanghai and Ms. Eva Zhou, a project manager were also organized during the visit.



*The Students of IM-NU during the Industrial Visit to China*

## Interaction with the Governor of Gujarat

As part of the course 'Government and Business' the students of IM-NU had an opportunity of interacting with His Excellency, the Governor of Gujarat Shri O. P. Kohli on

September 19, 2014 at Rajbhavan, Gandhinagar. The meet resulted into serious discussions on various issues like the recent visit of Chinese President to India, the uplift of education standards in the country, how the Indian universities can compete at global arena etc.



*The students of IM-NU with His Excellency, the Governor of Gujarat Shri O. P. Kohli*

## Awareness Programme on Human Rights



*A glimpse of the Awareness Programme at IL-NU*

On the Occasion of World Human Rights Day Nirma Institute of Law, Nirma University Students' Activities Association (NILSAA) in association with Gujarat State Human Rights Commission, conducted an awareness programme on Human Rights on December 10, 2014 for the students of IP-NU. Hon'ble Justice Dr J. N. Bhatt, Chairman, Gujarat State Human Rights Commission was the Chief Guest of the function. The student team of IL-NU performed a skit and presented documentary films on Human Rights.

## Social Initiatives

### Relief Material for J & K Flood Victims

The students of IL-NU raised funds for the victims of the devastating floods in Jammu & Kashmir on September 19, 2014. The collection has been sent to the J&K CM's Flood Relief Fund. Further IT-NU in association with the Helping Hands Foundation organized a city wide Donation Drive for ameliorating the impact of the devastating floods in Jammu-Kashmir. The Volunteers stationed at collection stalls all over Ahmedabad, during October 12-13, 2014 urged the citizens to donate clothes, books, medicines etc. All the proceeds collected was gathered at the Mayor's bungalow and subsequently sent to the Goonj foundation.



IL-NU students collecting Donations for the flood victims



Donation Drive by IT-NU

## Cultural Initiatives

### RCNI Activities

Rotaract Club of Nirma Institutes (RCNI) of IT-NU organized a university level double-tiered talent hunt competition during November 12-13, 2014 where the over-crowded and enthusiastic audience witnessed a myriad of talents by the participants. The limelight of the entire events was the performance by the MJ5 dance troop of the India's Dancing Superstars fame. Further the Club also celebrated Trirang on September 26, 2014 which fused play acting, singing and dancing on the theme of the Chakra.



The students performing at IT-NU during the Talent Hunt



Celebration of Trirang by RCNI, IT-NU

### Tangerine 2014: The Musical Evening

IL-NU Music Club organised the second musical evening Tangerine 2014 in the University premises on September 9, 2014. It included vivid performances ranging from the beats of Pink Floyd to Indian Classical music. The evening's highlights were the riveting instrumental performances on Sitar, Tabla, Guitar and Synthesizer.



## Sports Initiatives

### Parakram-2014

Parakram 2014- The National Level Inter B-School Sports Tournament was organized at IM-NU from October 10 to 12, 2014. The tournament witnessed some brilliant performances on the ground where 10 teams from 8 B-Schools across the country fought in seven sports categories for the ultimate prize. The teams were from Welinkar (Mumbai), TAPMI (Jaipur), NICMAR (Pune), BIMTech (Noida), DSIMS (Mumbai), EDI, PDPU and IM-NU. All the teams fought hard to defend their honour. Sports such as Football, Cricket, Volleyball, Badminton, Basket Ball, Lawn Tennis, and Table-Tennis, were included in the event.

The Sports Committee generated donations and sponsorships as part of its awareness campaign and donated the collection to the Gujarat Cancer Society.



A glimpse of Parakram 2014

This year Parakram 2014 also supported the Pink Initiative, 'Fight against Breast Cancer', in association with Gujarat Cancer Society. IM-NU observed October 9 as 'Pink Day'. As a responsible citizen of the country, each and every member at the institute welcomed the initiative. The event concluded with a Prize Distribution ceremony in which the IPL stars, Mr Parthiv Patel and Mr Manpreet Juneja were the Guests of Honour and gave away the medals to the winners of the tournament.

## Alumni Corner

Mr Bhavin Dabhi, an alumni of 2000 batch of IT-NU won the CII Design Excellence Award 2014 for Medical & Health Care Category.

### Lectures

Interactive Sessions and Lectures by the Alumni of IT-NU were scheduled at the Institute. Lectures delivered comprise 'Requirement of Mobile Technology in Current IT Industry' by Mr. Pratik Patel on September 3, 2014; 'Energy and Human Being' by Mr. Vishal Nayak on September 19, 2014; 'Introduction to Objective C' by Mr. Piyush Kaklotar on September 25, 2014; and 'How to Enhance Presentation Skills' by Mr. Ujjaval Gandhi on October 15, 2014.

Mr. Chintan Bhomia, IT-NU Alumnus, presently working at Reliance Industries Limited interacted with the students and gave them an insight of the real scenario in a chemical plant and about what the companies exactly look for in fresh graduates.

Mr. Alok Shah, IP-NU Alumnus and PhD Research Scholar of The University of Queensland Diamantina Institute, Brisbane, Australia delivered a talk on 'Higher Education (PhD) and Pharma Prospects in Australia' on November 19, 2014.



Mr. Chintan Bhomia at IT-NU

### Best Alumni Entrepreneur Award

IDS- NU felicitated the Best Alumni Entrepreneur for the year 2014 during its foundation day celebration held on September 16, 2014. Mr. Rayson Rajan, Adiance Technologies Pvt. Ltd. was honoured with the award.



Mr. Rayson Rajan receiving the award from Dr Anup K. Singh, Director General, NU

## Extra-Curricular Activities

### Self-Defence Workshop

A Workshop on 'Self-Defence for Girl Students' was organized at IM-NU during September 4-5, 2014. The girl students of the Institute participated in the workshop. Mr. Rushiraj Jaiswal, Director and Chief Instructor and Mr. Ujwal Jaiswal, General Secretary and Coordinator of Rushiraj Karate Kunfu Federation, Ahmedabad conducted the workshop. The students learnt many self-defence techniques as the workshop comprised practical as well as class room sessions including viewing a half an hour film on Motivation and Self-Defence.

the Student Welfare Board of the University organized a friendly cricket match between the faculty and the students on September 6, 2014. The student team won the match.

### Competitions at IDS-NU

IDS-NU celebrated the Cultural Festival-Zenith on September 18-19, 2014. Events organised during the festival comprise Solo, Group & Duet song, Solo, Group & Classical dance, Debate, Elocution, Drama, Skit, Mimicry, in addition to various other competitions. The Institute also organised Luminance 2014 - A Quiz and Paper Presentation competition on September 26, 2014.

### Faculty vs. Students Cricket Match

With the objective of further strengthening interaction amongst faculty and students, IL-NU in co-ordination with



*The students participating in different competitions at IDS-NU*

### Ras-Garba Mahotsav 2014

The Ras Garba Mahotsav (Ramzat) 2014 of Nirma University was organised on October 11, 2014 at the University Ground. Shri Rakeshbhai Patel and Smt. Keyuriben Patel from Nirma Ltd. graced occasion as the Guests of Honour. Dr Anup K. Singh, Director General, NU, Hols of constituent Institutes of the University, the faculty and staff members along with the students in large numbers were present during the event.



*Glimpses of the Ramzat 2014 at NU*

## Rostrum-2014

The cultural festival Rostrum'14 was organized at IP-NU during October 14-15, 2015 where various events like Skit, Drama, Solo Dance, Group Dance, Solo Song, Group Song and Ad Mad were held. The students participated enthusiastically in various events. The celebration ended with the Valedictory Function. The Chief Guest of the function was Mr. Dhvanit, RJ, Radio Mirchi and Shri K. K. Patel, Chief Operating Officer, NU presided over the function. Dr Avani F. Amin, Former Director, NU also graced the occasion with his presence.



*The students performing during Rostrum-2014 at IP-NU*

## Connaissance 5.0

IL-NU organized its annual literary and debating festival Connaissance 5.0 during September 19-21, 2014. The event was an endeavour by the students to promote literary and debating culture throughout the country. It saw immense participation from across the country and provided the participating teams a platform to test their skills in a plethora of events such as Parliamentary Debate, JAM, Creative Writing, Quiz and Word Mafia. The closing ceremony was chaired by Prof. Dawood Ghanchi, Former Vice Chancellor, North Gujarat University.



*The Parliamentary Debate in process during Connaissance 5.0*

## Celebration of Rashtriya Ekta Diwas

IL-NU celebrated the day to mark the birth anniversary of Sardar Vallabhbhai Patel with the country on October 31, 2014. The Institute, in observance of this day, organized a few events in the campus. A Rashtriya Ekta Diwas pledge was administered by all the students, faculty and staff members. The participants solemnly undertook to preserve the integrity, unity and security of the nation.



*IL-NU Students and Faculty taking the Rashtriya Ekta Diwas Pledge*

## Renaissance- 2014

The Annual Cultural Festival of IS-NU Renaissance- 2014 was held during October 23-24, 2014. Mr Dhvanit Thaker, RJ from Radio Mirchi, was the Chief Guest of the Inaugural function. There was active participation by the students from the Institute in the events and the efforts were appreciated by the judges.



*A glimpse of the Inaugural function of Renaissance 2014 at IS-NU*

## Seminar on 'Industrial Power System and Protection'

IT-NU along with Larsen & Toubro organized a one day seminar on 'Industrial Power System and Protection' on November 8, 2014. The main idea behind the event was to

provide an overview of the Industrial Protection methods to the students. The contents covered in the seminar were Overview of Indian Power System, Overview of Indian Electricity Rules and Importance of Energy Conservation and Management. The event was organised by EESA, IT-NU.



*Participants during the seminar at IT-NU*

## Scintilla 2014

IT-NU organised Scintilla 2014 comprising technical events. The events included paper presentations, mock placement, group discussions, quiz etc. on November 15, 2014. The objective of the event was to assess and enhance the technical knowledge and competence of the participating students.



*Participants of the Audio-Visual Quiz during Scintilla at IT-NU*

## Vaudeville-2014

IT-NU celebrated its annual cultural festival Vaudeville-2014 with great enthusiasm during November 18-19, 2014. Many events comprising dancing, singing, mime, painting, etc. were arranged during the two days.

## Visit to National Gallery of Modern Art

The students of IA-NU visited National Gallery of Modern Art, New Delhi during November 22-24, 2014 to see the retrospective exhibition of Padmashri Balkrishan Doshi - The Real, the Virtual & the Imaginary. The exhibition was a fascinating insight into concept, ideas and scale of work of the reverend architect. The students also visited historical monuments of architectural importance in the city. The visit enabled the first year students to get acquainted with the different architectural styles and eras of built architecture in Delhi.



*The students of IA-NU at National Gallery of Modern Art, New Delhi*

## Kafkaesque: The Exhibition

The exhibition at IL-NU was a collection of images, visual graphics, comic strips, sketches and etchings which attempted to explain the concept of the term Kafkaesque. This collection was prepared by the students as a clinical activity. The term Kafkaesque is used to illustrate a scenario in which a government rule or rules are needlessly complex to the point of being illogical. These situations can involve an individual overwhelmed by a web of government regulations and bureaucracy.



*'Kafkaesque' by the students of IL-NU*

## Forthcoming Events

S.No.	Name of the Event	Date of the Event	Institute
1	Nirma Quest-2015	January 21, 2015	IP-NU
2	National Conference on Challenges and Opportunities in Infectious Diseases	January 22-23, 2015	IP-NU
3	National Seminar on Law, Science and Technology: The Way Forward	January 30-31, 2015	IL-NU

For details regarding the forthcoming programmes by CCE, visit [www.nirmauni.ac.in/cce](http://www.nirmauni.ac.in/cce)



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