



## News at a Glance

### Rankings

IM-NU has been ranked with the following rankings:

- 24th Best B-School by a survey conducted by Drishti and published in Outlook October 2013 issue.
- 23rd Best B-School by a survey conducted by MDRA and published in Business Today October 27, 2013 issue and India Today, November 4, 2013.
- 10th Private Best B-School in the country by a survey conducted by GHRDC and published in CSR November 2013.
- 25th Best B-School in the country by a survey conducted by HANSA Research Survey and published in The Week, November 2013.

### Award

IM-NU was honoured with 'Education Excellence Award' for Leader in Family Business & Entrepreneurship in the country by Assocham on November 17, 2013.

### MoU Signed

IM-NU has signed an agreement for Student & Faculty Exchange with HoF University of Applied Sciences, Germany. The officials from HoF University visited the Institute on November 15, 2013.



*Prof. C. Gopalkrishnan, Director, IM-NU receiving the 'Education Excellence Award'*

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## From The Director General's Desk

Dear Reader

Today higher education must aim for quality and employability. These are related to rigour and relevance, respectively. Students acquire higher order thinking skills during their studies that make them employable in the industry. Therefore, higher education institutions must seamlessly interact with business organisations and develop relevant and useful curricula as well as focus on student development in line with the expectations of the external stakeholders. Equally importantly, educational institutions have to adhere to rigorous teaching and assessment. They need to have higher expectations from their students and demand greater engagement in learning and development. We at Nirma University not only work ceaselessly for rigour and relevance but also for the relationship. We develop a transformational relationship with the student and continuously invest in it by mentoring and nurturing her. Among other things, exclusive focus on relevance, rigour and relationship differentiates us from other educational institutions.



College education has a premium in the labour market. Important skills learned in a university system and learning to learn help the student to deal with complex problems and develop an integrated perspective on reality. University graduates adapt to changing technologies and business convolutions faster and better than other youths. Therefore, we work with our students to develop a global mindset, problem solving bent of mind and “can do attitude”.

Nirma University always brims with a host of co-curricular and extracurricular activities. The best minds intermingle on a continuous basis to enlighten one another and to network. These activities also provide an excellent opportunity for our students to explore their creative side and contribute their best to the campus life.

I hope you find the current Newsletter informative and interesting.

**Anup K Singh, PhD**  
Director General

## Editorial

With winter setting in, the dismal report about absence of any Indian university in the top-200 lists of the Leading universities of the World by the various university ranking surveys, compiled by Times Higher Education, Quacquarelli Symonds and Shanghai Jiao Tong University also known as Shanghai rankings, casted a pall of gloom across the institutions in India. The rankings were based upon the research impact –the single most important factor.

So is research the panacea, can that cure the ailing education institutes? We in Nirma definitely think so. With adamant belief that, Nirma University needs to contribute towards knowledge creation and generation, the University serves as the platform for the rendezvous of some of the best ideas and research insights under various events, lectures and conference. Research conducive environ is the centrality of the University.

This is just a beginning, an acorn of a solid Oak tree.

Editor





## Dignitaries on Campus

### Dignitaries Visited



*Dr Kiran Bedi, India's first IPS officer, at 'Strishakti'- a Seminar on Women Empowerment, IT-NU*

India's first woman IPS officer, Dr Kiran Bedi was in IT-NU to deliver a talk on 'Strishakti: Empowering Her' on October 24, 2013. She discussed women empowerment and its challenges with a full house. The event was facilitated by 'Invincible Leaders' League', a student's leadership group from IT-NU.

Dr Bedi shared her views on the girl child and the discrimination in the society. "Men have dominated our society for ages because of the 3 Ms; money, muscle power and mobility. Women in India don't get to enjoy all three equally yet." Talking about the importance of education, Dr Bedi encouraged girls to take up civil services and join the defence forces. Associated with schools to propagate ethical education, Dr Bedi lauded the fact that the Nirma University, where the seminar was held, has a course on ethics as part of curriculum.

### Eminent Guests on Campus

Following guests visited IP-NU on September 24, 2013



*Dr Ananth Pannala, University of Brighton, United Kingdom*



*Dr Daliya George, University of Greenwich, London, Greenwich, United Kingdom*



*Dr S. Barton, Kingston University, Surrey, United Kingdom*



*Dr Charlotte Chalmers, Edinburgh Napier University, Edinburgh, Scotland*



*Dr Steve Archibald, University of Hull, Yorkshire, United Kingdom*



*Dr Shiva Sivasubramaniam, Nottingham Trent University, Nottingham, United Kingdom*



*Dr Crawford Dow, University of Warwick Coventry, United Kingdom visited IP-NU on September 24, 2013*



*Prof. C. J. Shishoo, Honorary Director, B.V.Patel PERD Centre, Ahmedabad, visited IP- NU on September 29, 2013.*



*Mr. Ganesh Nayak, COO and Executive Director, Zydus Cadila Healthcare Limited, visited IP-NU on October 1, 2013.*

- Mr. Viranchi Shah, CMD, Saga Laboratories, visited IP-NU on September 9, 2013.
- Mr. Falgun Shah, Associate Director, SSA Business Solution Pvt. Ltd. visited IT-NU on September 25, 2013 and delivered an expert talk on Lean Manufacturing Concepts and FTR New Products on October 9, 2013.
- Dr Dilip Sardar, Director, Synergy Agrotech, Ahmedabad visited IT-NU on November 25, 2013 and delivered an expert talk on 'Thermal Engineering'.
- Dr Chetan Parikh, Director, Institute of Information and Communication Technology, Ahmedabad, visited IT-NU on November 27, 2013.



*Mr Bhavnesh Thakkar, Head (E & I), Linde Engineering India Pvt. Ltd. at NUiCONE 2013, IT-NU*

- Mr Bhavnesh Thakkar, Head (E & I), Linde-India, delivered an expert talk on 'Comparison of Conventional v/s Bus Technology for Process Measurement' on November 29, 2013 during NUiCONE 2013, IT-NU.



*Mr. Sunil Mehta, Chairman, CLPA-India at NUiCONE 2013, IT-NU*

- Mr Sunil Mehta, Chairman, CLPA-India, delivered an expert talk on 'CC-Link IE: The world's fastest integrated Factory Automation Network' on November 30, 2013 during NUiCONE 2013 at IT-NU.
- Dr Murlidharan, CTO, TATA Power SED, Mumbai, visited IT-NU and delivered lecture on 'Paradigm Shift in Communication - SDR & CR Technologies' on November 30, 2013

## Expert Lectures



*Swami Rohininandasaji delivered a lecture on 'Art of Mind Control' at IT-NU on September 7, 2013*



*Prof. Sisil Kumarwadu, Head, Department of Electrical Engineering, University of Moratuwa, Sri Lanka, delivered an expert talk on 'Recent Advances in Visual Servoing & Control' on November 29, 2013 during NUiCONE 2013, IT-NU.*

Name of the Expert, Designation and Organization	Topic	Institute	Date
Mr Praveen Bhadada Director - Global Consulting Zinnov Management Consulting Bangalore	Digital Transformation Affecting Our Lives	IM-NU	September 7, 2013
Mr Vipul Patel Vice President Astra Life Care Ltd.	Indian Pharmaceutical Industry and its Prospectus	IP-NU	September 9, 2013
Prof. Shamnad Basheer Ministry of HRD, Prof. in IP Law National University of Juridical Sciences Kolkata	IP as a Profession	IL-NU	September 20, 2013
Hon'ble Justice. Shri C.K. Thakkar Judge (Retd.) Supreme Court of India	Six Decades of Sublime Constitution: Indian Experience	IL-NU	September 29, 2013
Dr. Vidyut Joshi, (Former Vice- Chancellor) Bhavnager University & Emeritus Professor	Who makes Law for whom in a Stratified Society	IL-NU	October 10, 2013
Mr. Umang Nahata CEO, Evosys	Spirit of Entrepreneurship	IM-NU	October 11, 2013
Shri Kalpesh Joshi President, Abellon Clean Energy Ltd.	Developments in Photovoltaic and other Renewable Energy Sources in India.	IT – NU	October 17, 2013
Shri Pankaj Patel President, Abellon Clean Energy Ltd	Role of Renewable Energy in Sustainable Development	IT – NU	October 18, 2013



Mr N. Shankar Chairman cum Managing Director, Export Credit Guarantee Corporation of India (Govt. of India).	The Role of ECGC in Insurance and Risk Management	IM-NU	October 19, 2013
Dr S. N. Misra Director, Centre for Glass and Ceramic Research Institute, Ahmedabad	Emerging Trends in Research on Glass and Ceramic usage in Civil Engineering Applications	IT-NU	October 23, 2013
Mr Santosh Kurian Vice President(Business Development)- Customer Centria, Mumbai	Unlearning to Learn	IM-NU	October 25, 2013
Dr S. C. Bose Dy. Director, CEERI, Pilani	Semiconductor Device Physics	IT-NU	November 25, 2013
Dr Ravi Tiwari Academic Chair Biotechnology Biotechnology/ Commerce School of Veterinary and Life Sciences Murdoch University, Murdoch ,Australia	Journey to understand the language of DNA	IS-NU	November 25, 2013
Mr Shamsher Singh Executive Director, Indian Farmers Fertiliser Cooperative Limited (IFFCO)	Values in Society	IM-NU	November 26, 2013
Shri S. M. Takalkar Managing Director, Takalkar Power Engineers & Consultants Pvt. Ltd., Baroda	Construction of Transmission Lines and Electrical Design of Transmission Lines	IT - NU	November 27, 2013



## Events

### International & National

#### Nirma University International Conference on Engineering – NUiCONE- 2013

With the aim to bridge the gap between academia, research and industry, so as to use technological innovations and advancement for the improvement of the quality of education uplift of the society, fostering innovations and employment generation -the IEEE and Science Direct supported 4th Nirma University International Conference on Engineering- NUiCONE 2013 was scheduled during November 28-30, 2013. The Conference was inaugurated on November 28, 2013 in IT-NU

Chief Guest of the function Dr Gopichand Katragadda, Chairman and MD, GE India Technology Centre during the function talked about the pivotal involvement of engineering as a noble profession in delivering innovations in Indian and global perspective. His talk was backed by some of the most famous historical engineering marvels that included practice of perfect metallurgy in temple sculptures, aircrafts and wars. He made a profound statement that India is in the driver's seat attributed to fantastic growth of possibilities in diverse areas with government support by exemplifying the growth prospects by 2020 in thrust areas including energy, water, consumer applications, transportation and health care.

Dr K Kotecha, Director-IT NU in welcome address stressed upon the need of amalgamation of all engineering disciplines to generate new and innovative ideas. The inaugural function was also graced by Shri Ambubhai Patel, Vice President, Nirma University, Dr Anup Singh Director-General, Nirma University, NUiCONE Team and more than 300 participants from all parts of the India and foreign countries like Australia, China, Iran etc. and from Industries/Organization like Intel, ISRO, Motorola Solutions, DRDO, L & T, Amtech Electronics etc.

The conference encompassed themes related to all the disciplines of Engineering & Technology, such as: Computer, Information Technology, Civil, Chemical, Instrumentation & Control, Mechanical, Electrical, Electronics & Communication, and Mathematics and Humanities. During the conference more than eighteen plenary talks from eminent speakers like Directors and Professors from reputed organizations like DRDO, IIT, CSIR, GETCO, CPLA, Linde were scheduled.

The conference saw the talks delivered by eminent experts as: Dr Virendra Kumar C. Bhavsar, Professor Faculty of Computer Science, University of New Brunswick Fredericton, NB, Canada; Mr Prasad Kelkar, Linde Engineering, Baroda; Mr Kalpesh Shah, Linde Engineering, Baroda; Dr Prasanna Rao Dontula, Head – R & D, A.T.E. Enterprises P Ltd Bangalore; Dr Manjunath Joshi, Professor, DAIICT, Gandhinagar; Shri Gurdeep Singh, M.D., Gujarat State Electricity Company Ltd (GSECL), Vadodara; Prof Yogendra Singh, Professor, IIT, Roorkee; Dr G. R. Reddy, BARC, Mumbai; Dr Abhijit Mukharjee, Professor, IIT, Gandhinagar; Mr. R. Murlidharan, Tata Power Company Ltd., Mumbai; Dr K R Pardasani, Professor, Mathematics Department, MANIT, Bhopal; Dr M N Mehta, Professor, Mathematics Department, SVNIT, Surat and Dr Neerja Gupta, Principal, Bhavan's Arts and Commerce College.



Dignitaries at the inaugural ceremony of NUiCONE-2013, IT-NU





*Dr K. Kotecha, Director, IT-NU with Dr Gopichand Katragadda, Chairman and MD, GE India Technology Centre at the inaugural ceremony of NUiCONE-2013, IT-NU*



*Dignitaries on the dais during the valedictory function of NUiCONE-2013, IT-NU*

## American Society for Quality (ASQ) Seminar

3rd Annual Quality Seminar of ASQ was jointly organized by IM-NU & ASQ Ahmedabad Local Members Community at IM-NU on November 23, 2013.

The Seminar was attended by 225 participants. Dr Johannes Grobe, MD of Bosch Rexroth India was the Chief Guest of the Inaugural function and delivered the inaugural address. There were two Plenary Sessions and three parallel Technical Sessions in which a total 26 presentations were made. Many well known industry senior leaders namely Mr. Harsh Bajpeyee, Site General Manager-Bogie division Bombardier Transportation India Ltd.; Mr. Jon Fletcher, Senior Vice President-Manufacturing RPG Cables; Mr. Maneesh Chandra, Quality Director, Alstom Power; Mr. Jeevanantham, General Manager- Quality, Ford India Pvt. Ltd.; Mr. Vineet Sharma, Executive Vice President-Quality & Service Excellence, Max Life Insurance Co. Ltd.; Dr Farah Deeba, Head Operations Artemis Health Institute, Delhi; Mr T. S. Kathayat, President, Quality and Tech Services, Welspun Corp Ltd.; Mr G R Kulkarni, Quality Counselor, Ex-Crompton Greaves; Mr. G Sekhar, Head, Essar Steel Business Excellence, and Dr. Sanjay Dalsaniya, Apollo Hospital spoke about their experiences in Quality.

Eminent academicians such as Prof. (Dr.) Gautam Datta, Professor, IIM-Ahmedabad, Prof. (Dr.) Narsimhan, Professor, Industrial Management, IIT-Kharagpur, Prof. (Dr) Anup Singh, Director General, Nirma University and Prof. (Dr.) C Gopalkrishnan, Director, IM-NU spoke about their experiences in building quality in Education



*Dignitaries on the dais releasing the 'Compendium-The Collection of Deliberations' during American Society for Quality (ASQ) Seminar*

## National Conference on Diabetes and its Complications: Search for Prevention and Cure

IS-NU organized a two day National Conference on 'Diabetes and its Complications: Search for Prevention and Cure' on September 6-7, 2013, as a part of the 9th Foundation Day Celebration. The theme was to showcase the research on diabetes carried out at IS-NU and IP-NU. It provided a common platform for the medical practitioners, academic researchers and alternative medicine practitioners, with an emphasis on finding newer preventive strategies for the early onset of diabetes, to understand the molecular basis of pathogenicity and treatment, identify newer targets and novel compounds both from synthetic and ayurvedic formulations as a cure for Diabetes.



Dr Rajiv Modi, CMD, Cadila Pharmaceuticals, was the Chief Guest, Dr Narottam Sahoo, Advisor, GUJCOST was the Guest of Honour, Dr Uday Saxena, CEO, Kareus Therapeutics was the eminent Guest of the function and Shri Ambubhai Patel, Vice President, Nirma University presided over the function. Eminent speakers from diverse background of research in Diabetes presented their work and the conference was attended by more than 250 delegates.



*A glimpse of the National Conference on 'Diabetes and its Complications: Search for Prevention and Cure'*

### Pravartan 2013 - The HR Conclave

'Pravartan 2013' – The HR Conclave was held on October 3, 2013. The theme of the conclave was 'HRM Function: Current Challenges and Opportunities'. The Sub Themes of the conclave were 'Cross Cultural Issues in Globalized World', 'Leading in Turbulent Times: an Agenda for HR Professionals', 'Role of HR in Corporate Social Responsibility' and 'HR and Organizational Change Initiatives'. The conclave



*Chief Guest of Pravartan -2013- The HR Conclave lighting the lamp*

was inaugurated by Mr. Shrikant Lonikar, Joint President and Head-HR, Adani Power Ltd. The other speakers of the conclave were Ms. Varda Pendse, Director, Cerebrus Consultants, Mumbai, Mr. Sunil Solanki, VP-HR, Meru Cabs, Mumbai, and Mr. Prateek Shrivastava, Thomas International.

### Prayojan 2013 - The Operations Management Conclave

Prayojan - A conclave on Operations Management on the theme 'Emerging Trends in Operations Management: Industry Imperatives' was organized on November 30, 2013 at IM-NU. The Conclave was inaugurated by the Chief Guest Mr V. Ramesh, Sr. VP, Toyota Kirloskar, Bangalore.

Senior Executives from corporate as Mr. Andreas Finstein, Technical Responsibility, Ahmedabad Bosch Rexroth Plant; Mr Ragothman Rao, Global Sr. Quality Manager, Power Products, ABB Switzerland AG; Mr. Anurag Chandra, Head - Global Sales Strategy & Operations at Tech Mahindra; Mr. C. Girish Kumar, Director – India Operations, Molex India Pvt Ltd.; Mr. Anshuman Tiwari, Vice President - Process Consulting, HSBC; Mr. H. K. Chaturvedi, Sr. Managers, E&M, Airport Authority of India and Mr. Ram Mohan, Managers, E&M, Airport Authority of India graced the occasion and shared their rich corporate experiences and their views about current operations practices with the students and faculty.

The valedictory session of the conclave was addressed by Mr. Ragothman Rao, Global Senior Quality Manager for Power Products, ABB Switzerland AG.



*A glimpse of Prayojan - 2013 - the Operations Management Conclave*

## Research Workshop Series

Two workshops of RWS for faculty members of IL-NU were organized on September 12 and 21, 2013 respectively. The areas covered in the workshop were Legal Research Trends and Ethical Issues in Research and Scientific Temperament and Research Design. Prof Vidyut Joshi and Prof. (Dr) Purvi Pokhariyal delivered expert lectures during the session.

## Outcome Based Education (OBE) Workshops in September 2013

The OBE Workshops for faculty members were organized in the month of September 2013 across the University. All the Institutes conducted these workshops as part of the university's initiative to implement outcome based education in the institutions under the university. The objective of the workshops was to reflect upon the outcomes of various programmes for the university. The vigorous workshops were attended by senior faculty members.

## Tata First Dot Workshop for Student Entrepreneurs

National Entrepreneurship Network in association with Swayam Business Clinic of IM-NU organized a workshop on September 28, 2013 to help build the knowledge base of aspiring entrepreneurs and others. The workshop was conducted by Prof. Radhika Meenakshi. The other speakers of the workshop were Mr Shiv Kothari, CEO, Shreem Group of Companies; Mr Pankaj Kumar Gupta, Principal Consultant, TCS and Mr Nirav Shah, Entrepreneur/Investor, NMS Group.



*Prof. Radhika Meenakshi addressing the students at the Tata First Dot Workshop for Student Entrepreneurs*

## Workshop on Image Management

A workshop on Image Management was conducted in IL-NU on September 28, 2013. This was facilitated by Ms. Nidhi Shah, Founder and Director of Bonafide Image Consulting. She shared with the students the importance of grooming, image management, and how these affect the job interviews.

## Mediation Training Workshop

As part of Alternative Dispute Resolution (ADR) Clinical exercise, a two-day Mediation Training Workshop was organized by IL-NU on September 20-21, 2013. The workshop was inaugurated by Justice Ravi Tripathi, Senior Judge, High Court of Gujarat. Mr. Firdoshali Kassam (Karachiwala), Master Trainer of Supreme Court Committee on Mediation was the Guest of Honour. Dr Anup K Singh, Director General, Nirma University presided over the function. Justice Ravi Tripathi highlighted the importance of mediation in the present context and applauded the unique initiative taken by the IL-NU to impart Mediation Training to its students as a part of course curriculum. Director, IL-NU emphasized on the importance of ADR and highlighted the clinical approach opted by the institute to provide maximum practical exposure to the students. The emphasis of the workshop was on practical exercises such as role play & simulation exercises; wherein students took up a practical problem and acted as Mediator and clients to resolve disputes related to various areas.



*Dignitaries on the dais during the Mediation Training Workshop at IL-NU*



## Scholarship Distribution Function

Scholarship distribution function for B. Pharm first semester students was organized on November 19, 2013 at IP-NU. Since many years Nirma University has been awarding various types of scholarships to its students but for the first time Nirma University has introduced the merit scholarship scheme based on the ACPC merit list for the newly admitted students of first semester and this function was organized to award the scholarship to such meritorious students. Shri Ambubhai Patel, Vice President, Nirma University distributed the scholarships to the students.



*Seen on the dais during Scholarship Distribution Function (R-L) Shri Ambubhai Patel, Vice- President, Nirma University, Prof (Dr) Anup Singh, Director General, Nirma University, Prof Manjunath Ghate, Director, IP-NU and Shri K.K. Patel, Chief Operating Office, Nirma University addressing the audience*

## Orientation Programme

IP-NU organized orientation programme for B.Pharm new entrants (2013-14) during September 9-14, 2013. Mr Viranchi Shah, CMD, Saga Laboratories Ltd., Ahmedabad was invited as chief guest of inaugural function and Dr Gopalkrishnan, Director, IM-NU was the president of the function. Mr. Vipul Patel, Vice President, Astra Life Care Ltd was the guest of honour and delivered a talk about Indian Pharmaceutical Industries and their prospects. Various sessions of programme focused on current practices and policies at the Institute and the University, facilities and activities conducted by the institute and many sessions highlighting the scope of pharmacy and current status were also delivered by renowned speakers.



*Dignitaries on dais during Orientation Programme of IP-NU*

## Induction Training Programme

An Induction Training Programme, ITP-2013 was arranged by IT-NU for the newly joined faculty members from September 9-13, 2013. This was followed by microteaching (video shooting of lectures from participants) and its analysis.

## Faculty Development Programme

### IM-NU

Name of the Programme	Date
Research Methodology in Management	November 27-28, 2013

### IT-NU

Name of the Event	Date of the Event
Q PLC and CC Link Networking Training,CLPA-India	September 10-12, 2013
Repair, Restoration and Renewal Engineering (3R) of Concrete Structures	October 4-5, 2013
Self Defence Techniques for Women	October 3, 2013



*Rushiraj Martial Arts experts during the Self Defence Technique for Women organized by ISTE faculty chapter, IT-NU*

# In Focus

## Bringing Back the Spirit of Education Through Outcome Based Education

Dr Ketan Kotecha, Dr Richa Mishra, Institute of Technology, Nirma University

The credit based system was introduced more than 130 years ago by the President of Harvard Charles Eliot. The one credit hour is equivalent to one hour of lecture time a week for a 12- to 14-week semester. It later became the basic unit of a college education, and the standard measure for transferring work between institutions. But at that point of time, the education was meant for elites and the students were from a single section of society and thus the class was almost homogenous.

Later Carnegie Foundation also established that both high school preparation and college "work" would include a minimum of four years of study. To be accredited, universities have had to base curriculums on credit hours and years of study. The seat-time system — one based on the hours spent in the classroom — is further reinforced by the Public and private administrators and state legislators and policy makers who use these values for budgeting accreditation, validation and planning purposes.

But, after more than a century, the system equating time with learning is questioned by all stakeholders. From academia to industry, concerns are being raised regarding the rationality of the degree which is bereft of skills and competence. This is how traditional system works. It focuses on the inputs to the system (finances, fees, resources, infrastructures), in the system (Teaching Staff, Curriculum, instructional delivery, evaluations) and Output of the system (result, placements, employability). In the traditional system the assessment is mainly via exam, test, assignments and Quality control is from auditing the processes and teaching evaluation.

But sadly the system is not proving to deliver the promised outcome. It is able to impart the teaching but somewhere learning is lost and with that the Telos — the very basic purpose of education is also lost. The belief that higher education will cultivate an individual to a thinking-analyzing individual who can be a cornerstone of the community and can do productive work for the betterment

of the society seems a tall order; almost unachievable and undeliverable. These virtues should be coupled with the employability and the expectations from the industry.

Traditional model is failing and there is need to have in place a system that can not only provide learning to earn but also should deliver learning to learn ability.



**NEED OF THE DAY:** 21<sup>st</sup> century requires skills which are not provided by the traditional model of education

Various reports/surveys of higher professional education bodies emphasis on various aspects and not merely on academic aspects to have holistic development of the students.

One of the detailed surveys conducted gave percentage weightage to various parameters required to get holistic success for a professionals. This survey was conducted amongst various successful professionals. According to Forbes magazine, Critical thinking and higher order thinking is amongst the 1st out of the 10 Skills required for getting hired in 2013. Various world bank, CII, UNESCO surveys also show need of radical changes in the curriculum to make it broader and holistic.

**THE MODEL:** Outcome based education model is emerging as the reformation model that can, to large extent, provide and bring back the basic philosophy of the education back in the colleges. It is learner-centric and all the goals are defined and tangible, with firmly keeping its focus on following issues:

What do we want the students to have or be able to do?



How can we best help students achieve it?

How will we know whether the students have achieved it?

How do we close the loop for further improvement (Continuous Quality Improvement (CQI))

Thus OBE helps in defining the 'competence' of the students/learner accurately and precisely. The fact that the term 'competence' has been defined as a key component of an outcome based education (OBE) model draws attention to the level of granularity of the outcome, OBE wishes to achieve.

Competence as defined by the Organisation for Economic Co-operation and Development (OECD) (of which India is also a member) for general education and lifelong learning focus on the learning outcomes, and serves as the drivers for specific learning outcomes. The OECD has compiled a classification of key competencies as follows:

1. Using tools interactively (use language, symbols and texts interactively, use knowledge and information interactively, use technology interactively);
2. Interacting in heterogeneous groups (relate well to others, co-operate, work in teams, manage and resolve conflicts);
3. Acting autonomously (act within the big picture, form and conduct life plans and personal projects, defend and assert rights, interests, limits and needs)

It is also to be noted that these competence are in sync with the attributes and levels as described in Bloom's revised taxonomy. The three knowledge dimensions namely Psychomotor, affective and cognitive are also covered in the competence. OBE is defined as a "...comprehensive approach to organizing and operating an education system that is focused in and defined by the successful demonstrations of learning sought from each student" (Spady, 1994). An Education Department of Western Australia document describes OBE as "an educational process which is based on trying to achieve certain specified outcomes in terms of individual student learning. Thus, having decided what are the key things students should understand and be able to do or the qualities they should develop, both structures and curricula are designed to achieve those capabilities or qualities. Educational structures and curriculum are regarded as means not ends. If they do not do the job, they are rethought" (Willis & Kissane, 1995).

Past educational reforms that influenced OBE and identified the following:

Tyler's educational objectives; Bloom's mastery learning; Competency based education and Glaser's criterion-referenced learning.

There are three models of OBE: Traditional, Transitional and Transformational.

Traditional OBE uses the new methodology to teach traditional content areas like math, history, and science. It is time defined and custodial in credentialing i.e. seat-time attendance, norm-referenced and others. There is clear cut segmentation when it comes to programs, processes, and credentialing. So basically this is Curriculum Based Learning (CBL). It produces academically sound students.

The second model is Transitional, where the importance is given more to new courses and competences, Critical Thinking, Communication, complex problem solving and so on. The output of this mode is holistic developed individuals.

The third and most evolved model is that of Transformational model, which is based on Constructivist model and experiential learning where outcome is clearly defined. The tests are not standardized. It is characterized by cooperative learning. It is based on culminating achievement (curriculum design, instruction, assessment, and grading).

### OBE Framework:

The model works upon the achievable outcomes for the whole teaching-learning process. Keeping the focus firmly on the predefined outcome of a Course (CLO), Programme (PO), Programme Education Objectives (PEO) that manifest Graduate attributes as desired by the society and industry and in sync with Vision and Mission of University helps streamlining the whole process of education delivery.

OBE can be regarded as a theory (or a philosophy) of education (Killen, 2000). Within OBE there are a certain set of beliefs and assumptions about learning, teaching and the systemic structures within which activities take place. The landscape of history of education from Vedic period is dotted by revival of holistic education regular intervals. The pedagogical interventions which is an integral part of dispensation OBE is constructivism which itself is the philosophy of teaching leaning process. With its learning goal as the highest order of learning: heuristic problem solving, metacognitive knowledge, originality which synthesises and modifies the existing knowledge along with creativity. It reminds of the Gurukuls of ancient India where Shishya use to learn by doing, where they use to go for 'Deshatan' so as to gather and augment knowledge hands on experience.

The apprehension concerns on relying too much on a reformation model so as to rejuvenate and extract the desired outcome is sound and expected. But the belief that millennial workspace is nothing like 20<sup>th</sup> and 21<sup>st</sup> century workspace can be a spur that is driving us towards the right direction and outcome based education.

## Research & Development

Institute	Area of Research	Name of faculty member(s) with Title	Title of Research Project	Funding Agency	Amt ₹ in Lacs
IT-NU	Manufacturing	Dr. K. M. Patel, Prof. N. D. Ghetiya	Understanding the immersed friction stir welding of Aluminium Alloys	SERB- DST	13

## Extension Activities

### A successful attempt by IL-NU for a Litigation Free Village (Kherana)

The consistent efforts of the Legal Aid Clinic, IL-NU resulted in making Kherana Village, (Taluka- Chotila, District Surendernagar) a litigation-free village. This attempt highlighted for the villagers the benefits of using Mediation and Alternative Dispute Resolution based approach as opposed to time-consuming and expensive litigation practise. A certificate in this regard has been issued by the District and Session Judge, Surrendernagar Mr. A.D. Mogal on October 24, 2013.



### Collection and Distribution Programme for needy people

On occasion of Foundation Day of IT-NU on October 3, 2013, Collection and Distribution Programme for needy people was carried out. The activity was a huge success and all students as well as teaching and non teaching staff contributed for the noble cause. Collected clothes, toys and educational instruments were distributed among the labourers and their children who are staying nearby Nirma University.

### Legal Literacy Programme at Sabarmati Jail, Ahmedabad

The Legal Aid Clinic, IL-NU, organised a legal literacy programme at Sabarmati Central Jail, Ahmedabad for the benefit of convicted persons on October 5, 2013. The Chief Guest of the function was Justice Uraizee, Judge, High Court of Gujarat; Dr Anup Singh, Director General, Nirma University, Shri K.K. Patel, Chief Operating Officer, Nirma University, Shri. D.P. Chhaya, Director (General Administration and Academics), Nirma University, Dr Purvi Pokhriyal, Director, IL-NU and Jail Superintendent Mr. R J Pargi, IPS.



*A glimpse of Legal Literacy Programme at Sabarmati Jail*

### Visit to the Village Paldi Kankej

Students and faculties of IT-NU visited Paldi Kankej village under the programme Voluntary Teaching on September 28, 2013.



In this camp, students of IL-NU spread awareness about the rights, duties and various government-welfare schemes available for the benefits of prisoners, their children and families. The aim was also to spread the message among the prisoners about the benefits of juvenility who were not juvenile at the time of commission of offence but now are covered by Juvenile Justice Act of 2000.

### Health Awareness Camp

IP-NU organized a Health Awareness Camp at Tragad Primary School on October 5, 2013 with support from Nirma University. The student volunteers gathered information, procured professional video-films and prepared posters to explain importance of good habits, healthy food, cleanliness, symptoms, prevention and care in tuberculosis and how to take medicines. Approximately 175 students attended the activity, and promised to follow good habits.



*Health Awareness Camp at Tragad Primary School organized by IP-NU*

### Mediation Programme at Kherana Village

The Legal Aid clinic, IL-NU organised programme for promoting legal mediation to resolve issues of the villagers on October 6, 2013. Dr Tarkesh Molia, AC, IL-NU talked about Mediation and different forms of Alternative Dispute Resolution and the benefits of using such an approach for dispute resolution. The purpose of this programme was to prepare the litigants to solve their problems through mediation sessions and help IL-NU in making the village litigation free.

Dr Tarkesh Molia, Dr Krishna Pal Malik and Mr Akash Shah, IL-NU made a successful attempt with legal aid volunteers' team to hear the matter and act as a mediator among the parties, with a motive to resolve the particular cases by means of mediation and was successful in settling a number of legal penalty cases.



*Mediation Programme at Kherana Village*

### Legal Awareness Camp at Kherana Village, Taluka Chotila, District Surendranagar

The camp organized by IL-NU was held to educate the villagers about the concept of free Legal Aid, its benefits and methods to receive it on October 6, 2013. The villagers were also informed about the eligibility criteria to avail free Legal Aid. They were also sensitized on such issues as child marriage, child labour, female foeticide and infanticide, dowry prohibition and many other issues pertaining to their day-to-day life.



*Glimpses of Legal Awareness Camp at Kherana Village*

## Paint Your Dreams

IM-NU in association with X-lliant organized the event-‘Paint Your Dreams’- Where every dream is precious, for the underprivileged children of the society. The event was organized on the November 24, 2013 on the University campus. The Cultural Committee at IM-NU in collaboration with Saral – Social Club of IM-NU conceptualized and gave shape to the event. A total of 175 children from various NGOs in Ahmedabad viz. Manav Sadhna, Apang Manav Mandal and Prayaas, the NGO of IIM Ahmedabad took part in the event.



*Children participating in the event ‘Paint your Dreams’*

## Go Green Campaign

The Rotaract Club of IM-NU organised the event on October 7, 2013 and is celebrated with a view to bring awareness and concern about environment. On this occasion a new initiative was started by the students from IM-NU, ‘Free Wheelers – A Cycling Club’.

## Visit to Old Age Home

IDS-NU organized a visit to Amrapali old age home, Mahudi highway, Gandhinagar on October 12, 2013.



*Prof. V. R. Iyer, Director, IDS-NU along with faculty members and students volunteers of IDS-NU after distributing kits to the students*

## Activity- 'Spreading Smiles'

The Social Club of IDS-NU organized an activity called 'Spreading Smiles' on October 12, 2013 at Manthan Kanya Sankul, Hazipur Kalol, wherein kits comprising of stationary items were distributed to the students.



## Industry Interface

### Testing work undertaken at IT-NU

Institute	Title of Testing	Organization	Date
Department of Civil Engineering	Compressive Strength of Concrete Cube	Blue Star Ltd, Ahmedabad	October, 2013
Department of Mechanical Engineering	Thermal Conductivity	M/s Murugappa Morgan Thermal Ceramics Ltd., Gandhinagar	September 2013
	Thermal Stability, Flammability	Modroof, Ahmedabad	October, 2013
	Density	Superlegg Insulations, Ahmedabad	October, 2013
	Thermal Conductivity	Perlcon Premix Pvt. Ltd, Ahmedabad	October, 2013
	Thermal Conductivity	M/s Isolant Industrial Insulation Pvt. Ltd.	October, 2013
	Thermal Conductivity, Water Vapour Performance	Sabar Dairy	October, 2013
	Tumbling, Chloride, Moisture Content	M/s Adarsh Insulations, Ahmedabad	October, 2013
	Chloride Test	M/s Adarsh Insulations, Ahmedabad	October, 2013
	Thermal Conductivity	Keltech Energies Limited Bangalore	November, 2013
	Thermal Conductivity	Polybond Insulation Pvt. Ltd. Durg, Chhatisgarh	November, 2013

### Consultancy work undertaken at IT-NU

Institute	Faculty	Title of Consultancy	Place and address of the collaborative organization
Department of Electrical Engineering	Dr. P. N. Tekwani Dr. S. C. Vora Prof. P. N. Kapil	Design of Magnetic Components for Power Electronic Converters	Hitachi – HiRel Power Electronics Pvt. Ltd., Gandhinagar
Department of Civil Engineering	Dr. Paresh V. Patel	FRP Pultruded Section, Material Evaluation	Agni Fibre Board Pvt. Ltd., Baroda
Department of Mechanical Engineering	Dr. R. N. Patel, Dr. V. J. Lakhera	Redesign of Heat Setting Chambers	Inspiron Ltd.
	Dr. D. S. Sharma Prof. V. M. Bhojawala	Design of Transportation System for Stentor Machine	Inspiron Ltd.



## In-Company Training Programme at IM-NU

### Name of the Programme

Enhancing Interpersonal Effectiveness through Self Awareness for Gujarat State Fertilizers and Chemicals Limited

### Date

October 24-25, 2013

## Initiatives by Academic Development & Research (ADR) Cell

- Nirma University has already adopted and adapted Outcome Based Learning but to sensitize the teaching faculty members further about the concept-to-completion and implementation to assessment stages of OBE a workshop was organised under the aegis of ADR cell for senior faculty members of IT-NU.

The speakers of the Programme were Dr K Kotecha, Director-IT-NU, Dr Dhaval Pujara and Dr Richa Mishra. Total 51 Participants participated in the workshop which was held on September 9, 2013 (full day) and September 13, 14 (half day).

- IL-NU conducted a seminar on 'Educational Institutes and IPR' under the aegis of the Academic Development &

Research (ADR) Cell, Nirma University between September 18-20, 2013. Resource persons delivered talks on 'Creating and Managing IP Portfolio and Policies at Educational Institutions' by Prof. (Dr) Purvi Pokhariyal, Director, IL-NU; 'University-Industry Research Collaboration and Licensing & Assignment Agreements' by Dr Alpesh Pathak, Global IP head (General Manager), Intas Pharmaceuticals Ltd.; 'Encouraging IP Innovation and Incentive activities at Educational Institutions' by Ms. Gopi Trivedi, Partner, Y.J. Trivedi & Co. and 'Interface between Education, Research and Intellectual Property Right' by Prof. Shamnad Basheer, Ministry of HRD Prof. in IP Law, National University of Juridical Sciences, Kolkata. In addition topics as 'Plagiarism at Educational Institutions and the scope of Fair use doctrine' and 'IPR related issues at Educational Institutions in the internet age' were also addressed.



Director IT-NU, addressing the audience during the workshop



Prof (Dr) Purvi Pokhariyal, Director IL-NU delivering the lecture in seminar

## Center for Continuing Education (CCE)

CCE organised following events:

- Training Programme on Mechatronics at Inspiron Engg Ltd during September 5-11, 2013
- Workshop on 'Antenna Theory and Design' on September 28, 2013
- Business English Certified (BEC) Prelim Course with CUP on September 28, 2013
- Workshop on PCB Design on October 14, 2013
- Managerial Skills for Supervisory Personnel on October 17-18, 2013
- Research Methodology in Management on November 27-28, 2013



*Glimpses of Workshop on 'Antenna Theory and Design'*

## Faculty Corner

### Faculty Achievements

**Prof. Sameer Pingle** of IM-NU was honoured with 'Quality Initiative Mission Educational Leadership Award 2013' for his contribution in Human Resource Management at India International Centre, New Delhi on August 31, 2013. The award was presented by Knowledge Resource Development and Welfare Group (KRDWG).



*Prof. Sameer Pingle receiving 'Quality Initiative Mission Educational Leadership Award 2013'*

### Faculty Recognitions

**Prof. Pawan K. Chugan** of IM-NU was appointed as 'Country Chair India' for the 16th International Annual Conference on the theme of 'Managing in an Interconnected World: Pioneering Business and Technology Excellence' organized by the Global Business and Technology Association (GBATA) New York, at Baku on September 12, 2013.

**Prof. Pawan K. Chugan** of IM-NU was appointed as Editor-in-Chief for the Universal Journal of Industrial and Business Management, published by the Horizon Research Publishing Corporation, Alhambra, CA, USA on September 23, 2013.

**Dr V J Lakhera** of IT-NU was invited to attend the 18th meeting of Refrigeration and Air Conditioning Sectional Committee, MED 03 organised by BIS at New Delhi on September 27, 2013.

**Prof. Sarat Dalai**, Director of IS-NU was invited as Guest of Honour in the session of felicitation of international scientists with Sushrut Award by Hon. Governor of Gujarat

Dr. Kamala Beniwal at International Meeting by Institute of Kidney Diseases and Research Centre, Ahmedabad named 'Transplantation Update' during October 18-20, 2013.

**Prof. Sarat Dalai**, Director of IS-NU and **Dr Sonal R. Bakshi** of IS-NU chaired sessions during the 'International meeting on Transplantation Update' by Institute of Kidney Diseases and Research Center, Ahmedabad during October 18-20, 2013.

**Dr P. N. Tekwani** of IT - NU, chaired a special technical session on 'Advanced Active Power Filters and Static VAR Compensators; in the 39th Annual Conference of the IEEE Industrial Electronics Society (IECON 2013), November 10-13, 2013, Vienna, Austria. The session was co-chaired by Prof. Amrish Chandra, Professor of Electrical Engg., Universie du Quebec, Montreal, Canada. The conference was organized by the Industrial Electronics Society (IES) of IEEE, USA and Austrian Institute of Technology (AIT), Austria.

**Prof. Vimal Kumar** of IP-NU has been appointed as a member of National Advisory Board of Journal 'Bulletin of Pharmaceutical Research' published by Association of Pharmacy Professional (APP).

**Prof. Nityesh Bhatt** of IM-NU was appointed as National Executive Member – Special Interest Group on e-Governance –CSI (Since 2007) (Expert Advisory Committee Member), Jury Member for Annual CSI-Nihilent e-Governance Awards 2012-13.

## Ph. D. Awarded

**Prof. N. P. Gajjar** of IT-NU was awarded PhD Degree in the area of 'Study and Realization of High Performance Reconfigurable Processor Architecture for Mission Critical Digital Signal Processing Applications' on October 25, 2013.



**Ms Shraddha Bhadada** of IP-NU, has been awarded PhD in Pharmacy (Pharmacology) by Gujarat University, Ahmedabad, Gujarat for her thesis entitled 'Phytopharmacological Evaluation of Tephrosia Purpruea with special reference to Diabetes Mellitus and its associated complications' under the guidance of Prof Ramesh K. Goyal (Ex-Vice Chancellor, M.S. University of Baroda, Vadodara)



## Expert Lectures Delivered by Faculty

**Dr Dhaval Pujara** of IT-NU 'Antennas for Space Applications' at Institute for Plasma Research, Bhat, Gandhinagar on September 06, 2013.

**Dr Dipak Adhyaru** of IT-NU 'Robust Control' at Pandit Deendayal Petroleum University, Gandhinagar on September 12, 2013

**Prof. Sarat Dalai**, Director of IS-NU 'Understanding the requirement of long lived Protective Memory T Cells: Malaria and Beyond' at MSU University, Vadodara on September 28, 2013.

**Dr Shital Panchal** of IP-NU 'Liposomes: Concept to Clinical Applications' at workshop on 'Green Nanotechnology and Modern Industries' on October 25, 2013.

**Dr Sari Mattila** of IM-NU 'From Outer Compliance to Inner Experience' ITC Factory, Munger, Bihar on October 28, 2013.

**Dr S. Sharma** of IL-NU was invited for an Expert Lecture in a special workshop on Language organised by Radboud University, The Netherlands in November 2013.

**Dr Sari Mattila** of IM-NU 'Decent Work' Turku School of Economics, University of Turku, Finland on November 5, 2013.

**Prof. Vimal Kumar** of IP-NU 'Supercritical Fluids Technology (SFT) in Novel Drug delivery of Herbal Drugs' in Faculty Development Programme sponsored by All India Council for Technical Education (AICTE), New Delhi on the theme 'Recent Trends and Future Perspectives in Novel Drug Delivery System' at Vedica College of Pharmacy, R.K.D.F. University, Bhopal (M.P.) on November 13, 2013.

**Prof. Sarat Dalai**, Director of IS-NU 'Induction of memory T Cells by mimicking natural infection' at IMMUNOCON 2013 organised by Dept. of Biochemistry, University College of Medical Sciences & GTB Hospital Delhi on November 15-17, 2013

## Books Published

**Prof. C. Gopalkrishnan**, Director of IM-NU 'The Entrepreneur's Choice: Cases on Family Business in India, ISBN No. 978-0-415-63567-7, Routledge, New Delhi





**Prof. H. K. Patel** of IT-NU 'The Electronic Nose: Artificial Olfaction Technology', ISBN: 978-81-322-1547-9, ISBN: 978-81-322-1548-6 (e-Book), Springer.

**Jigar Shah** of IP-NU 'Supply Chain Management - A key to value creation in Pharmaceutical Industries', ISBN: 978-3-659-44582-8 Lambert Academic Publishing, Germany.

## Papers Published in International Journals/Magazines

**Darshit Upadhyay, R. N. Patel** of IT-NU, 'Performance and Evaluation of Lignite in a Downdraft Gasifier' in International Journal of Emerging Technologies in Computational and Applied Sciences (IJETCAS), Volume 2, No.4, PP 198-202.

**Parul Bhati** of IDS-NU 'Study relationship between Demographic Variables and job satisfaction of Employee of Ceramic Industry' in Global Research Analysis Journal, Volume-2 (9) September 2013.

**Parul Bhati** of IDS-NU 'Factors Influencing Job Satisfaction of Employees of Ceramic Industry' in International Journal of Social Science & Management, Volume-1 (12) September 2013.

**D. B. Shah** of IT-NU, 'Parametric Modelling and Drawing Automation for Flange Coupling using Excel Spreadsheet' in International Journal of Research in Engineering & Technology, Volume 9. No. 6. PP 9-13.

**Vijay Kothari** of IS-NU with three others 'Tamarindus indica (Cesalpiniaceae), and Syzygium cumini (Myrtaceae) seed Extracts can Kill multidrug resistant Streptococcus mutans in biofilm' in Journal of Natural Remedies, Volume 13(2): 81-94, 2013.

**Vijay Kothari** of IS-NU 'Seeds and their Extracts as a source of Antioxidants and other Bioactive Compounds' in: Introduction to Functional Food Science (ed: D M Martirosyan). Functional Food Center Inc., USA. Chapter 6. p.86-93. (ISBN-13: 578-1493509539; ISBN-10: 1493509535).

**Sriram Seshadri** of IS-NU with two others 'Sugar rich diet induced Insulin resistance and alteration in gut microbiota' in George Anna, Augustine Robin, Sabastian Mathew (Eds). Diabetes Mellitus and Human Health Care: A Holistic Approach to Diagnosis and Treatment. Apple Academic Press, CRC, Taylor & Francis Group, New Jersey, USA, 2013, 328-338. ISBN: 9781926895765.

**Sriram Seshadri** of IS-NU with two others 'Age associated variations in human neutrophil and sperm functioning' Asian Pacific Journal of Reproduction, 2(3): 201-208, 2013.

**Sonal R. Bakshi** of IS-NU with three others published 'Involvement of poly (ADP-ribose) polymerase in paraptotic cell death of D. discoideum' Apoptosis, 1(2).

**Sonal R. Bakshi** of IS-NU with two others "Phenotypic Spectrum in Uniparental Disomy: Low incidence or lack of study in Indian Journal of Human Genetics 19 (3), 131-34, 2013.

**Shalini Rajkumar** of IS-NU with two others 'Invasion of Rhizobial infection thread by Non-Rhizobia for Colonization of Vigna Radiata Root Nodules in FEMS Microbiology Letters.348: 58-65, 2013.

**Shalini Rajkumar** of IS-NU with eight others 'pH responsive MMT /acrylamide super composite hydrogel: Characterization, Anticancer drug reservoir and Controlled release property' Biochemistry and Biophysics. 1 (3): 43-60, (2013).

**Shalini Rajkumar** of IS-NU with three others 'Evaluation of Clay/Poly (L-Lactide) microcomposites as anticancer drug, 6-Mercaptopurine reservoir through in vitro cytotoxicity, oxidative stress markers and in vivo pharmacokinetics' Colloids and Surfaces B: Biointerfaces.112: 400- 407 (2013).

**Hani Chotai** of IDS-NU 'Review on Effect of Varying Compression Ratio on Performance & Emissions of Diesel Engine fuelled with Bio-diesel' in International Journal of Engineering Science and Innovative Technology, Volume2, Issue 4. ISSN No: 2319-5967.

**Monica Rao** of IL-NU 'Impact Assessment of Care Giving Mechanism for Elderly Women', in 'Emerging Issues in Gerontology: Relevance and Possibilities', published by Bookwell publisher, India. ISBN No. 978-93-80574-52-3.

**Ghate Manjunath, Gupta N., Vyas Vivek** of IP-NU 'CoMFA and CoMSIA analysis of protein kinase B (PKB $\beta$ ) inhibitors using various alignment methods' Medicinal Chemistry Research, 1-17.

**Ghate Manjunath, Vyas Vivek** of IP-NU 'Predictive 3D-QSAR and HQSAR model generation of isocitrate lyase (ICL) inhibitors by various alignment methods combined with docking study' Med Chem Res 2013 DOI 10.1007/s00044-013-0865-0

**Ghate Manjunath, Vyas Vivek** of IP-NU '3D QSAR Studies on substituted Benzimidazole derivatives as Angiotensin II-AT<sub>1</sub> receptor Antagonist' Current Computer-Aided Drug Design 2013, 9: 433-445

**Patel Bhoomika M., Bhadada Shraddha V.** of IP-NU 'Type 2 Diabetes induced Cardiovascular Complications: Comparative Evaluation of Spironolactone, Atenolol, Metoprolol, Ramipril and Perindopril' Clinical & Experimental Hypertension. doi:10.3109/10641963.2013.827699.

**Patel Bhoomika R.** of IP-NU 'The Choice of Antihypertensive Agents in diabetes subjects. Diabetes and Vascular Disease Research' 10(50): 385-396.

**Shah Jigar** of IP-NU 'Nanopolymeric Formulation Development and Characterization of Antiasthmatic Drug for Pulmonary Drug Delivery' Pharma Science Monitor, 4(4): 388-402.

**Shah Jigar** of IP-NU 'Formulation Development and Characterization of Chitosan Nanoparticles of Montelukast Sodium for Site Specific Drug Delivery in Management of Asthma' International Journal of Drug Formulation and Research, 4(4): 87-101.

**Pawan K. Chugan and Neha P Mehta** of IM-NU 'The Impact of Visual Merchandising on Impulse Buying Behaviour of Consumer: A Case from Central Mall of Ahmedabad India', Universal Journal of Management, Horizon Research Publication Corporation, Alhambra, October 2013, CA, USA, Volume 1, No. 2, pp. 76-82. <http://www.hrpub.org/download/201310/ujm.2013.010206.pdf>

**Pawan K. Chugan and Shivangi Singh** of IM-NU 'Impact of Relationship Quality on Firm's Export Profitability: A Study of SMEs in Gujarat' Adarsh Journal of Management Research, Bangalore, Volume 6, Issue 2, pp. 15 – 23.

## Staff Corner

**Mrs Ranikumari Jha and Mr. Tejas Bhatt** of IL-NU participated in a one day workshop on Personal Effectiveness and Time Management at work on September 14, 2013 at Ahmedabad Management Association (AMA).

**Poluru Lalitha** of IP-NU published a paper on 'Availability and Accessibility of Research Output in NARS: A Case Study with IARI' Scholarly and Research Communication, 2012, 4(2):020156, 11pp

## Foundation Day

IT-NU celebrated its Foundation Day on October 03, 2013. Various activities were planned by the various students' club in IT-NU. A final grand event of felicitating students and faculties was organized for their outstanding achievements.



*Felicitating of the entire group for winning an event in the national level BAJA-SAE competition during Foundation Day of IT-NU on October 03, 2013*



*Shri Ambubhai M. Patel, Vice-President, Nirma University felicitating the student with gold medal during Foundation Day of IT-NU*

IDS-NU celebrated its Foundation Day on September 13, 2013.



*Dr Anup Singh, Director General, Nirma University; Shri D. P. Chhaya, Director (General Administration and Academics), Nirma University; on the dais during the Foundation Day celebration of IDS-NU) along with other dignitaries*

The foundation day of IP-NU was celebrated on October 1, 2013. Shri Ganesh Nayak, Chief Operating Officer and Executive Director, Zydus Cadila Health Care Ltd., Ahmedabad was chief guest and delivered excellent inspirational talk on 'Leading the Leaders' on the Foundation Day celebration of the institute. The function was graced by Prof. Anup Singh, Director General, Nirma University and presided over by Shri K. K. Patel, Chief Operating Officer, Nirma University.



*Dignitaries on dais during the Foundation Day celebration at IP-NU*

## Students' Corner

### Students' Achievements



**Nayana Sarma** of IS-NU secured First position at the 'Ghazal Gunjan' programme held on October 5, 2013 conducted by GLS Institute of Commerce, Ahmedabad. She received trophy, certificate and cash award.

A team of IM-NU students, consisting of **Rajat Garg** and **Vikrant Gupta** stood at the second position and another team of IM-NU students, consisting of Karan Uppal, Smit Mehta, Nirlep Shah and Sagar Madrasi stood at the third position in the National Level Business Simulation 'Chanakya' conducted by All India Management Association (AIMA), New Delhi on November 1, 2013 and was awarded cash prize, trophy and certificate.

A team of students of IM-NU won first positions in five academic events and overall first positions in the Academic Event 'Baudhika 2013', The Intellectual Inter-College Fest organised by Shanti Business School, Ahmedabad, held on October 2-3, 2013.

A team of IM-NU students consisting of **Harsh Nathani**, **Rimika Mittal** won the second position in the competition 'Run an NGO' organised by IIMA on November 30, 2013 and awarded certificates.

**Dhruvi Jariwala** of IM-NU was selected for a student start up programme: iCreate Sparkup Idea Fund Programme of iCreate (International Centre for Entrepreneurship and Technology) and awarded with a fund of Rs.50,000/-.

A team consisting of **Neha Arora**, **Dimple Kotai**, **Anshula Vaid**, **Pragati Verma** and **Akanksha Gandotra** of IM-NU participated in the event 'Manthan' organised by Citizens for Accountable Government, New Delhi on October 2, 2013 and selected among the top 30 teams out of the total 1400 teams having participated across the country.

**Meesha Chaterjee** and **Shikha Shah** of IM-NU participated in the event 'Mindictor' organised by Sriram College of Commerce, Delhi University on October 1, 2013 and selected among the top 14 teams out of 750 teams.

**Aishwarya Kumar**, **Mayank Dwivedi** and **Saransh Kothari** of IL-NU participated in the 9th All India Inter University Moot



Court Competition (BCCI Moot) at MITS, Sikar, Rajasthan from September 13 to 15, 2013.

**Apoorv Mathur, Ashish Mathur and Riddhi Malviya** of IL-NU participated in the Trial Advocacy Moots at RGNUL, Patiala. The event was conducted during September 13-15, 2013.

**Madhavi Joshi** Ph.D student of Dr Ameer K. Nair of IS-NU presented a poster titled 'Effect of Insulin and glucose supplementation of Na<sup>+</sup>/K<sup>+</sup>/ATPase, AchE, MDH and behavioural response in pilocarpine induced Epileptic rats' in International HUMBOLT KOLLEG on 'Bench to Bedside Translational Research' organised by and held at Kasturba Medical College, Manipal, during 15 -17, November, 2013

## Papers Published

**Arpit Sharma** of IL-NU presented a paper in the Olympic League Conference held at Dockland Grounds, University of East London, during September 4-6 2013.

**Paril Jain and Dhruv Kakadiya** of IT-NU presented a paper on 'Navigation Systems for Wheeled Robots', Developments in Robotics, at International Conference on Applied Mechatronics, Manufacturing and Automation, NITTR, Bhopal, October 16 - 17, 2013.

**Mitul Vekariya, Mohit Agarwal, Parav Nagarsheth** of IT-NU, published student application paper, 'Wireless Energy Monitoring Solution using 2.4 GHz 6LoWPAN', in the IEEE Standards Education e-Magazine (eZine) under the category 'Best of Student Application Papers'

## Students' Activities

### Academic Initiatives

**Bhavesh D. Kevadiya** of IS-NU recently completed Ph.D. under the guidance of Dr Shalini Rajkumar of IS-NU and received Postdoctoral Fellowship at Engineering Research Centre for Structured Organic Particulate Systems (C-SOPS) & New Jersey Institute of Technology, USA.



**Shailesh Jain** of IP-NU received Senior Research Fellowship from CSIR, New Delhi for research project entitled 'Design and Synthesis of Dpp-4 Inhibitors as Anti-Diabetic Agents'.

Industry, Pune; Himgiri Castings Pvt. Ltd. Kundaim, Goa; Fitcast Foundry & Engineering, Ahmedabad; Devarshi Industry, Ahmedabad; Heritage Marbles Pvt. Ltd., Silvassa; Balbir Steel, Silvassa; Kirloskar Green Power, Silvassa; Parle-G [Parle Products], Silvassa; FIEM Industries Ltd., Haryana; Ethics Ars & Design, Delhi; Dynamic Engineerings, Delhi; Series Super Cassettes Industries Ltd., Noida; Kudos Chemie Ltd, Punjab; Nahar Spinning Mills Ltd. – Mercerising & Dyeing Unit, Punjab; Kamla Dials & Devices Ltd., Punjab; A.D. Hydro Power Ltd, Manali ;Gupta Woollen Mills, Kullu and Kullu Neer, Kullu.

### Social Initiatives

#### Debate on Political Issues

A Nationwide programme for students' debate over political issues was conducted in New Delhi on September 15, 2013. In this programme, sixty students of IL-NU participated in debate.

#### Fund Raising Event

Organization of Students of IT-NU organized fund raising event 'Bake Sale - Baking Happiness' on September 27, 2013 at the Institute level. The collected fund from the event would be used for sponsoring the schooling expenses of one underprivileged girl.

#### Celebration of Thanksgiving Day

'Thanksgiving Day' was celebrated on September 30, 2013 by IT-NU with the aim of encouraging healthy environment of mutual understanding in the campus. This was

### Industry Visit

#### Foreign Visit

Seventy seven students of IM-NU visited China and Hong Kong from October 08 to 24, 2013 as part of the Industrial Orientation Course. The students visited 20 industries and two major industrial fairs including Canton Fair in China. The group also had discussions with India-China Industrial Association in China and also in Hong Kong.

#### Domestic Visit

The students of second year of IM-NU visited various companies in India as part of their Industry Orientation Programme as Mapro Foods Pvt. Ltd., Shenurjane, Wai, Pune; Sunex Tube Tools Ltd., Pune; Shetty Chemical & Engg Works Ltd., Pune ; Sandeep Tube Cleaning Equipments Pvt. Ltd., Pune; Amul Dairy, Pune; Adlabs Imagica, Entertainment

accomplished by appreciating the work and efforts dedicated by the helping staff in the university, which included the bus drivers, peons, conductor, security guards and sweepers.



*'Thanksgiving Letter' given to the helping staff members of the University*



*Student Members of EESA with the helping staff of the university on the occasion of 'Thanksgiving Day' organized by IT-NU*

## Towards Gender Friendly Society

In light of the rising brutalities and hostile environment against the women of the society, Rotaract Club of Nirma Institute (RCNI), IT-NU initiated a social initiative 'Rape-Free India' Campaign for a better and secure society. A signature campaign was launched on September 4, 2013 wherein 10,000 college students, all over Ahmedabad, signed and pledged to create a safer society.

Taking one step further, RCNI conducted a rally on October 2, 2013 attended by more than 200 Amdavadis in order to spread awareness to the masses. The ex-Mayor of Ahmedabad, Mr. Asit Vora, flagged off the rally at Gandhi Ashram. The other dignitaries consisted of Dr Anup K. Singh, Director General, Nirma University, Mr. Ashish Desai, Dean Student Affairs, along with other participants. RCNI also organised a seminar for the students as well as faculty members on October 9, 2013. The seminar was conducted by Mr Ankitt Bharat Sharma, Principal Consultant Speaker on Issue of Crime and Violence on Women & Children, Women Cell, C.I.D. – Crime (Gujarat state). Special guests included Superintendent of Gujarat Police.



*Glimpse of the Campaign initiated by Rotaract Club of Nirma Institute (RCNI), IT-NU*

## Big Brother Event

'Big Brother' event was celebrated on the foundation of IT-NU, October 03, 2013. This event was organized for little kids of construction workers in the campus. Through this event the main purpose was to take care of the kids for a day just like a big brother in the family does.

## Blood Donation Camp

Students' organization of IT - NU conducted a blood donation camp in collaboration with Red Cross Society on October 8, 2013.



*Student members of EESA with kids on the occasion of 'Big Brother' organized by IT-NU*



## Exhibition to Showcase the Social Activity Undertaken

An exhibition to showcase the social activity undertaken by each student of the first semester of the IDS-NU as a part of the course of Human Values was organised on November 18-19, 2013.

*Seen in the photograph is a student explaining the tasks of the students to Dr Anup K Singh, Director General, Nirma University and Prof. V. R. Iyer, Director, IDS-NU*



## Cultural Initiatives

### Talent Night

Students of IM-NU organised Talent Night on September 5, 2013. The newly inducted batch showcased their talents with a series of breathtaking performances- dances, singing and Poem recitation.

### Ras-Garba (Rmamtat) 2013

Ras-Garba (Rmamtat) 2013 of Nirma University was organized on October 19, 2013 at the University Ground. Faculty and Staff members along with students in large numbers attended the function.



*Students performing during Ras-Garba 2013*

### Scintilla 13

The event was organized on October 22, 2013 by the Student Welfare Board of IL-NU, as a talent hunt for the students willing to participate in the Inter-institute cultural fest, representing the IL-NU.

This event was an excellent opportunity for students to showcase their talents in various forms of art and literary events and they also get a chance to represent the institute in the Inter-Institute Cultural Fest. There was an enthusiastic participation from the students in all the categories. The audience witnessed some great hidden talents.



*Students performing in 'Scintilla 13'*

### Sports Initiatives - Soccer Quiz

Organization of Students of IT-NU organized 'Soccer Quiz' at University level, on September 2, 2013. Total 80 teams participated in the quiz.



## Alumni Corner

### Alumni Day Celebration

IM-NU celebrated its 'Alumni Day' on October 5-6, 2013. More than 200 alumni from all over the country participated in the meet. A formal function was held in the auditorium where Dr Anup Singh, Director General, Nirma University and Dr. C Gopalkrishnan, Director, IM-NU addressed the alumni which was followed by cultural events performed by students and the children of SARAL, in-house NGO of IM-NU.

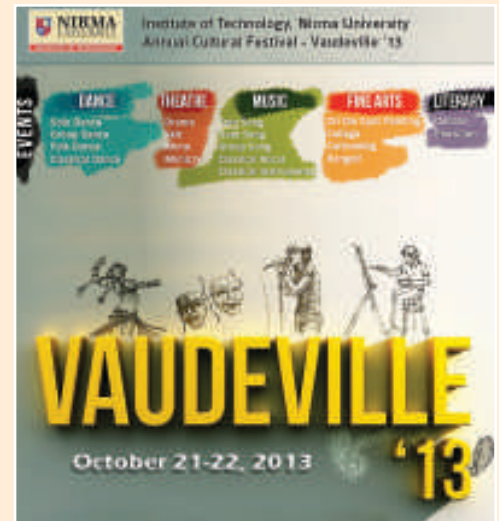
### Annual Get Together

The 13th Annual General Meeting and Get-together of NIDSAA of IDS-NU, followed by a musical programme was organised on November 16, 2013.

## Extra-Curricular Activities

### Annual Cultural Festival Vaudeville-2013

IT-NU celebrated its Annual Cultural Festival Vaudeville-2013 with zest and vigour. Various events were planned under categories viz., dance, theatre, literary, fine arts and music.



### Confluence: A Symposium on importance of Literature for Professional Studies

The Literary and Drama club of IL-NU organized a symposium on importance of literature for professional studies on October 12, 2013. Shri Soli Sorabjee was the Chief Guest of the function and Justice C K Thakkar was the guest of honour. They spoke on the importance of literature for the study of law and also quoted real examples from proceedings and cases. Eminent Speakers like Esther David- renowned writer, Mr. Joshipura- VP Finance, Nirma Ltd., Ms Deepal Trivedi- Editor Ahmedabad Mirror, Dr Shyamal Munshi-renowned poet and singer, Mr Harshad Brahmabhatt- Sr. Executive, Essar, Prof Mukundan-Emeritus Professor, Forensic Science University, Mr Tanmay Vora- Sr. IT Professional, and Mr Vipul Nagar-Cluster Head, Radio Mirchi shared their views with the participants.

### Rostrum'13- A Cultural Saga of the Decade

Every year IP-NU celebrates annual cultural festival 'Rostrum'. This year the Institute has completed 10 years. 'A cultural saga of the decade' was selected theme for this year's events which was organized during September 29-30, 2013. The events were judged by several eminent personalities in respective areas and Prof C J Shishoo, Honourable Director, B.V PERD Centre, Ahmedabad was the chief guest for the valedictory function. The function was presided over by Dr. A. S. Patel, I/c. Executive Registrar, Nirma University.



*Dignitaries on dais during the Annual Cultural Festival 'Rostrum' at IP-NU*

## Forthcoming Events

S.No.	Name of the Event	Date of the Event	Institute
1	International Conference 'NIPiCON 2014'	January 23-25, 2014	IP-NU
2	Nirma Quest	February 2, 2014	IP-NU
3	Certificate Course 'Electrical Motor Rewinding'	February 3-8, 2014	IDS-NU,CCE
4	3 <sup>rd</sup> IL-NU International Moot Court Competition	February 14-16, 2014	IL-NU
5	International Conference on 'Law, Society and Sustainable Development : Problems and Prospects'	February 17-18, 2014	IL-NU
6	National Student conference in International Humanitarian Law and Refugee Law	February 22, 2014	IL-NU

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



- NU      Nirma University
- IP-NU      Institute of Pharmacy, Nirma University
- IT-NU      Institute of Technology, Nirma University
- IS-NU      Institute of Science, Nirma University
- IM-NU      Institute of Management, Nirma University
- IL-NU      Institute of Law, Nirma University
- IDS-NU      Institute of Diploma Studies, Nirma University
- CCE      Centre for Continuing Education

