



NIRMA
UNIVERSITY

Nirma University

Newsletter

Quarterly Newsletter

Vol. 6 ■ Issue 2 ■ July 2014

News at a Glance

Rankings

NU

The University has been ranked as

- 3rd among the Private Universities of the country as per the survey published by 'The Week' in the June 2014 Issue
- 6th among the top 25 Universities Private/Deemed Universities in India by Higher Education Review in the July 2014 Issue

IT-NU

The Institute has been

- Ranked as 5th among the top MCA Colleges in the Western Zone of India and 17th among the top 20 MCA colleges of India in the ranking of SiliconIndia.com for the year 2013
- Ranked amongst the top 50 Engineering Institutes in the survey published by Times Engineering in June 2014

- Rated as 'Premier' Institute among the Best 500 Engineering Colleges in the comprehensive analysis on Engineering Institutes in India by the Education Post.
- Listed under the Top Engineering Colleges of Super Excellence in CSR-GHRDC Engineering Colleges Survey 2014.

IM-NU

The Institute has been ranked as 24th Best B-School by a survey conducted by National HRD Network (NHRDN) and published in People Matters, April 2014 Issue. IM-NU has also been rated in A1 Category B- Schools of the country in a survey conducted by Indian Management and published in May 2014 Issue.

IL-NU

The Institute has been ranked as 2nd among the Law Colleges of Private Universities in the country by Flair Talk published in July 2014.

Contents

News at a Glance	01
From the Director General's Desk	02
Editorial	02
Other News	03
Dignitaries on Campus	04
Eminent Guests on Campus	05
Events	08
In Focus	12
Research and Development	14
Annual Get-together	15
Extension Activities	16
Industry Interface	17
Faculty Corner	20
Staff Corner	25
Students Corner	26
Alumni Corner	31
Extra Curricular Activities	31
Obituary	32
Forthcoming Events	32

Editorial Board

Prof. V R Iyer	Chairman	
Dr Richa Mishra	Editor	IT-NU
Shri G R Nair	Member	IM-NU
Dr Monica Rao	Member	IL-NU
Dr Shital Butani	Member	IP-NU
Dr Sonal Bakshi	Member	IS-NU
Prof. Leena Bora	Member	IT-NU
Prof. Meet Bakotia	Member	IDS-NU
Dr Ruchi Sawhney	Member Secretary, Publication Officer	NU



From The Director General's Desk

With a large number of stakeholders such as the faculty, students, alumni, professional bodies, industries, parents, there is a need for the educational institutions to be more cognizant of the varied set of expectations of all these stakeholders.

It is therefore vital to set-up a parameter for the institutional effectiveness and to periodically assess how it has been able to meet the various needs and requirements of the students in terms of academic success, learning and development and employability.

A student-centric institution, when it has requisite facilities and amenities in addition to conducive environment for the student to gain knowledge, acquire skills and be competent to face the challenges of the real world, always flourishes. Competent faculty, Regular Academic-Industry Interaction and continuous improvement in the academic and developmental experience of the student are the other integral constituents that meet the expectations of the students.

The outcome of the quality of the institution is measured by the success of its students when they are able to meet the expectations of the industry, are employable and are able to adapt and flourish in the ever-changing environment.

Keeping all the requisites in mind, Nirma University has a quality assurance policy which ensures that there are adequate parameters to consistently evaluate and assess the learning and development cycle of its students. Continuous improvement, regular innovation, frequent development of superior processes and systems, and relentless involvement of participants are among the few initiatives undertaken at the University. I hope that you would be able to get a glimpse of the endeavour through the present issue of the Newsletter.

Anup K. Singh, Ph.D.
Director General



Editorial

New season, new semester, new students on the campus and young minds ready to get ignited and initiated into a new life bringing their own sunshine to us. Enthusiasm, passion, zeal, sense of accomplishment and zeal to do wonders- these are some of the emotions which are running high. The campus is picturesque with lush emerald green shrubs and trees, majestic buildings ready for their new occupants. Teachers are honing and sharpening their learning delivery skills.

This is a place to be in. This institution is proving again and again, that it is the Destination University. Institute of Technology is first choice among students seeking admissions in Engineering college in Gujarat. Other institutes are also having formidable rankings and awards.

We are expanding too. Institute of Architecture is the new addition to our family. We welcome Director - IA, Prof. Utpal Sharma and faculty members along with the maiden batch. May we all learn. Do and seek our dreams.

The Editor



Other News

Awards

Robocon Team of IT-NU has won the Championship Trophy in the National Level Robocon-2014 competition held in Pune, organized by Doordarshan-MITAOE. The student team of the Institute bagged the trophy defeating 89 teams. In the finals, the IT-NU team won against VJTI, Mumbai. IT-NU team has won this Championship Award for the 6th time so far.



Another student team of IT-NU bagged 7 awards under the Blast Carboblocks / UHDE India Pvt. Ltd. / Chemical Weekly Award organized at the Tenth IICHE Outstanding Young Chemical Engineers (OYCE) hosted by Thadomal Shahani Engineering College, Mumbai during March 8-9, 2014.

35 projects from IT-NU got selected for felicitation and abstract publication in the booklet published by Gujarat Cleaner Production Centre (GCPC) on 'Integration of Research to Industrial Application' on March 24, 2014 at Cambay Grand, Ahmedabad.

MoUs

IT-NU signed MoU with Eco-Carbon in the area of 'No-Aggregate Concrete' on April 5, 2014 and another MoU with Saxion University of Applied Sciences, Netherlands.

New Institute

Inception of the Institute of Architecture, Nirma University (IA-NU)



IA-NU has commenced its pioneer batch of B. Arch with academic session 2014-15. The Institute has been approved by the Council of Architecture (COA), India.

IA-NU aims to establish itself as one of the leading architecture institutes of the country in line with the existing institutes of the university and provide platform to the students to have global exposure through updated architecture pedagogy. The Institute is led by Prof. Utpal Sharma who is a leading scholar in the field of Architecture and Planning.

New Programmes

M. Sc. Programme in Cosmetic Technology

IS-NU has added M.Sc. in Cosmetic Technology to its existing programmes from academic session 2014-15. The programme shall focus highly on human resource training and employability in cosmetic and personal care industries in India & abroad. In addition the programme also offers innovative curriculum to cater to the skill development in this specific area.

New Members

Dr Somayajulu Garimella joined Nirma University as Director, IM-NU on February 10, 2014. Dr Garimella holds B. Tech degree in Chemical Engineering from Regional Engineering College, Warangal, India, M.S. Degree in Chemical Engineering from the West Virginia University, W.Va. USA, MBA from University of Texas, USA and PhD from Osmania University, India. He has more than thirty years of experience of teaching, administration and industry. In addition he has carried out consulting assignments for AP State Road Transport Corporation, AP State Trading Corporation, AP Tourism Development Corporation, Center for Good Governance (GoAP & DFID, UK), AP Urban Services for the Poor (APUSP-GoAP, Dalal- Mott McDonald & DFID,UK) and Revenue Department, GoAP.



Prof. Utpal Sharma joined Nirma University as the Director, Institute of Architecture on June 12, 2014. He is an academician and an eminent professional in the field of Architecture, Urban Design, Housing and Urban Planning. He has over 28 years of experience in these fields and brings a unique blend of research and project experience to the classroom.



Prof. Sharma has extensively worked across India and other countries like Bhutan, Srilanka and Vietnam. He has received many prestigious awards including the Prime Minister's

awards for 'Excellence in Urban Planning and Design', 'Aga Khan Award for Architecture' and 'HUDCO Design Award and Best Research Award' from the Indian Institute of Architects.

Appointments of Deans/ as Member of Statutory Committees

Name and Designation	Faculty / Committee	Date
Dr Somayajulu Garimella Director, IM-NU	Dean, Faculty of Management & Member of Finance Committee, NU	May 13, 2014 May 16, 2014
Prof. Utpal Sharma Director, IA-NU	Dean, Faculty of Architecture	July 10, 2014
Dr Manjunath Ghatge Director, IP-NU	Dean, Faculty of Doctoral Studies	May 13, 2014

New Initiatives

Constitution of Women Development Cell

NU has constituted Women Development Cell with the objective to provide and maintain a dignified, congenial working environment for women employees and students, where they can work, study and explore their potential to the fullest. The constitution of the committee is in pursuance of the directions issued by UGC and MHRD. The committee was constituted in the month of April 2014.

Further there has also been reconstitution of Complaint Committee for Prevention of Sexual Harassment with certain modifications as per the guidelines of the Supreme Court of India and University Grants Commission (UGC) with regard to sexual harassment of women at work places. The Chairperson of these committees is Prof. Purvi Pokhariyal, Director IL-NU.

Dignitaries on Campus



Smt. Sangeeta Singh, IAS, Principal Secretary, Higher and Technical Education, Education Department, Government of Gujarat visited Nirma University on May 2, 2014. Seen in the photograph along with her are the senior officers of the University (L-R) Shri D. P. Chhaya, Director (G&AA), Dr Anup K. Singh, Director General; Shri Ambubhai M. Patel, Vice-President and Shri K.K. Patel, Chief Operating Officer.



Dr Dhiraj Bora, Director, Institute for Plasma Research (IPR) visited IT-NU for a Research Meet of the Senior Scientists of IPR and senior faculty members of IT-NU on March 20, 2014.

Seen in the photograph (L-R) are Dr K. Kotecha, Director IT-NU; Dr Dhiraj Bora, Director, IPR and Dr Anup K. Singh, Director General, NU along with the other participants of the research meet of the senior scientists at IT-NU.

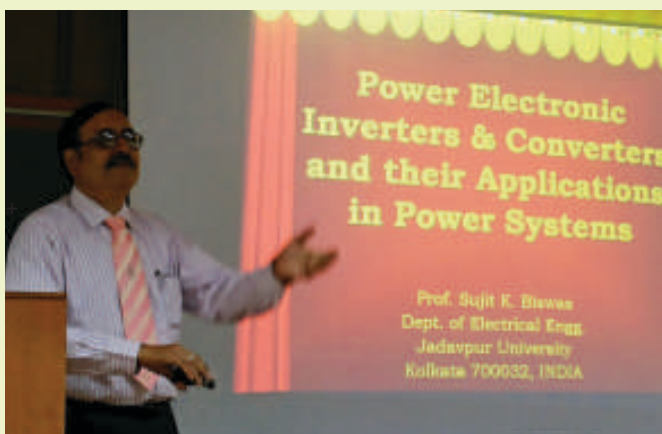
Eminent Guests

Mr. Mansur Khan, a noted Film Producer and the author of a best seller book titled, 'The Third Curve' visited IM-NU on March 1, 2014 and delivered a lecture to the students.

Dr Shiraz Gidwani, Chief Executive- Iktara World, Dubai visited IM-NU on March 12, 2014 and addressed the students on the topic 'Dream On'-covering issues on Leadership, Entrepreneurship & Values.



Dr M. Ramamoorthy, distinguished scholar in residence at IIT Gandhinagar, visited IT-NU and delivered a talk on 'Evolution in Power Control Methods over the past many Decades' on April 11, 2014.



Dr. Sujit K. Biswas, Professor and Former Head, Department of Electrical Engineering, Jadavpur University, Kolkata, visited IT-NU and delivered a talk on 'Power Electronic Inverters & Converters and their Applications in Power Systems' on April 17, 2014.

Mr. K. K. Misra, CEO, Ahmedabad Textile Industry's Research Association (ATIRA), Dr. Rahman, Assistant Director, ATIRA and Mr. Prithviraj Meena, Officer, Indian Revenue Services (IRS), New Delhi visited IT-NU on April 17, 2014 to explore the use of textiles in civil engineering applications.

Dr Kamal Vatta, In-charge of Columbia Water Center, New Delhi visited IT-NU on May 01, 2014 to explore collaborative research possibilities in agricultural area.



Mr. Akshay Saxena, Mission Director, Gujarat State Biotechnology Mission, Gandhinagar visited IP-NU on June 30, 2014.

Prof. Manas Chatterji, School of Management, State University of New York, Binghamton, New York, USA visited IM-NU on June 28, 2014 and interacted with faculty and research scholars.



Expert Lectures

Name of the Expert, Designation and Organization	Topic	Institute	Date
Mr. Ritesh Desai, Sr. Engineer, SiBridge Technologies, Ahmedabad	System Verilog	IT-NU	March 1, 2014 March 22, 2014
Dr Manoj Desai, Vice-President, Medicinal Chemistry, Gilead Sciences Inc., California	The Discovery and Development of New Treatments for HIV and HCV	IP-NU	March 7, 2014
Mr. Chirag Chauhan, Manager (R & D), Suvik Electronics Pvt. Ltd., Gandhinagar	Design & Development Process for Product Development in Power Electronics Industry	IT-NU	March 11, 2014
Dr Sanjay Shrivastava, Professor, DAIICT, Gandhinagar	Wireless Sensor Networks	IT-NU	March 20, 2014
Mr. Jayesh Gandhi, MD, Harikrupa Automation	Introduction to Power Plant, Power Plant Automation, Power Plant Optimization	IT-NU	March 21, 24, 28, 2014
Dr R. D. Shah, Head, Geology Department, M. G. Science Institute, Ahmedabad	Study of Rock types and their application in Civil Engineering	IT-NU	March 24, 2014
Dr G. R. Reddy, Head, Structural and Seismic Engineering, Reactor Safety Division, Bhabha Atomic Research Centre (BARC), Mumbai	Development and Utilization of Response Spectrum for Nuclear Power Plant; Analysis and Design of Nuclear Power Plant; Structural Response Control using Damping Devices; Repair and Retrofitting of the Structures	IT-NU	March 7-8, 2014
Ms. Kalpana Reddy, First Secretary for Intellectual Property, US Embassy, New Delhi	Emerging Issues in Intellectual Property Rights	IL-NU	April 2, 2014
Mr. Kamlesh Warriar, BASF Ltd.	Self-Compacting Concrete	IT-NU	April 07, 2014
Mufti Neam, Mufti, Shariyat Court, Ahmedabad	Functioning of Shariyat Court	IL-NU	April 9, 2014
Mr. R. K. Malviya, SAC, ISRO	Antenna Measurement	IT-NU	April 10, 2014
Mr. Yatin Pandya, Architect, Ahmedabad	Sustainable Buildings	IT-NU	April 11, 2014
Mr. N. S. Kale, IIT, Mumbai	IC Design and Fabrication	IT-NU	April 11-12, 2014
Ms. Gopi Trivedi, Patent Agent, Partner, Y.J. Trivedi & Company	Patent Drafting: Issues and Challenges in India	IL-NU	April 11, 2014
Mr. Vijay Shah, Bhoomi Consultants, Ahmedabad	Case Studies of Steel Structures	IT-NU	April 15, 2014
Mr. Jay Shah, Team Architect, Java	Applied Cloud Computing	IT-NU	April 15, 2014

Mr. G. Krishmurthy, Retd. Structural Consultant, Ahmedabad	Detailing of Steel Structures	IT-NU	April 18, 2014
Prof. R. J. Shah, Structural Consultant Ami Engineers, Ahmedabad	Effect of Corrosion on Durability of RCC Structure	IT-NU	April 25, 2014
Mr. T. P. Banerjee, Head Training, Dr. Fixit Institute of Structural Protection and Rehabilitation, Mumbai	Proactive Strategies and Methods for Corrosion Protection, Selection of Materials and Systematic Approach for Corrosion Repair in RCC	IT-NU	April 25-26, 2014
Mr. Chandrashekhar Sharma, Product Segment Manager (Repairs) Fosroc India Ltd., Bangalore	Protective Coatings for Concrete and Steel, Electrochemical Repairs	IT-NU	April 26, 2014
Mr. Dushyant Dave, Senior Advocate, Supreme Court of India	International Commercial Arbitration in India-Issues & Challenges	IL-NU	April 29, 2014
Hon'ble Justice C.K. Thakkar, Retired Judge, Supreme Court of India	Working of Administrative Tribunals in India	IL-NU	May 2, 2014
Mr. Saurabh Soparkar, Senior Advocate, Ahmedabad	Winding up Process and Comparative Study between Companies Act 1956 and 2013	IL-NU	May 3, 2014
Dr Srinivas Sampalli, Professor, University of Dalhousie, Canada	Smartphones + Cloud Computing + Near Field Communications (NFC): The Next Big Wave in Wireless	IT-NU	May 5, 2014
Dr Senthilkumar, Senior Scientist, IBioA, Ahmedabad	Genomics	IS-NU	June 18, 2014
Prof. Charles Weitz, Professor, Temple University, Philadelphia, USA	Intrauterine Growth Retardation, Genetic and Epigenetic Implications	IS-NU	June 24, 2014



Hon'ble Justice C. K. Thakkar at IL-NU



Ms. Gopi Trivedi, Patent Agent, Partner, Y.J. Trivedi & Company delivering the lecture



Ms. Kalpana Reddy, First Secretary for Intellectual Property, US Embassy, New Delhi at IL-NU

Events

Convocation

The Seventeenth Convocation of Nirma University was held on April 3, 2014. The Chief Guest of the Convocation function was Mr. Arun Maira-Member, Planning Commission and former India Chairman of Boston Consulting Group. Management and Law graduates were awarded degrees by Dr. Karsanbhai K. Patel, President, Nirma University in the convocation. In addition 21 scholastic gold and silver medals were also given to the students for their exemplary performances in their respective field.

Addressing the students, Chief Guest Mr. Arun Maira stated that Quality is the pursuit of excellence in whatever we do. He further commented that the time has come for us to set our sights much higher than we have so far and we must make our nation a Quality Nation in which citizens will experience quality in their daily lives. He further added that there is a widespread need in India to convert Confusion into Coordination, Contention into Collaboration, and Intention into Implementation.



Mr. Arun Maira, Chief Guest for the Convocation, addressing the gathering at NU

Anvesh

The Doctoral Students' Conference on Management 'Anvesh' was held on April 11-12, 2014 at IM-NU. Prof. Pradyumana Khokle, IIM, Ahmedabad inaugurated the Conference and delivered the inaugural address. This was followed by a session by Prof. Anand Jaiswal of IIM, Ahmedabad on Structural Equation Modeling. Twenty-five Research Papers were presented in the conference. The conference papers were brought out in an e-book titled 'Trends in Management Research'. More than thirty Doctoral students participated in the conference from across the country. The conference concluded with a valedictory address by Dr. S. Garimella, Director, IM-NU.



Seen on the dais (L-R) Prof. C. Gopalkrishnan, the then Dean, Faculty of Doctoral Studies and Research, NU; Prof. Pradyumana Khokle, IIM, Ahmedabad; Dr Anup K. Singh, Director General, NU and Dr S. Garimella, Director, IM-NU

Award Distribution Ceremony

Executive Diploma Award Distribution Ceremony of the fourteenth batch of Executive Diploma Programmes was held on April 25, 2014. Eighteen students were awarded 'Executive Diploma in Marketing'. Award distribution ceremony of the first company specific Diploma Programme in Management was also held on the same day. Thirteen Executives from Adani were awarded diploma under the Diploma Programme in Management. Dr Anup K. Singh, Director General, Nirma University was the Chief Guest and Mr. Pradipta Panda, Group President HR, Adani Group was the Guest of honour of the function.



Mr. Pradipta Panda addressing the gathering during the Executive Diploma Award Distribution Ceremony at IM-NU

Felicitation Programme

IL-NU organized its felicitation programme on May 13, 2014. This felicitation programme is a continuous initiative of IL-NU to promote, felicitate and celebrate the excellences carved by its students and faculty members during August 19, 2012 to August 18, 2013. Chairpersons of the committees were also felicitated for their contribution towards institution building. Faculty members who have excelled and brought laurels to the IL-NU family were also awarded for their contribution and students were awarded with medals in Literary, Moot Court, Cultural, Sports activities.



Prof. Purvi Pokhariyal, Director IL-NU addressing the gathering during the Felicitation Programme

Induction Programme

The first year batch 2014-15 of MBA (FT) Programme commenced on June 21, 2014. The Programme was inaugurated by Mr. Thomson Jose, Senior Vice President-Zonal Head, HDFC Bank.



The Induction Programme was organized for four days. During the Programme various sessions were held related to the teaching and learning methods, orientation about the University and Institute activities etc. The invited speakers of the Programme were Mr. Samir Patel, Director, InteractCRM Solutions, and Mr. P K Agarwal, Sr V P, Business Development-Cyber Think and they delivered a talk on 'Corporate Expectations from MBA Graduates'. On June 4, 2014 a spiritual discourse was delivered by Pujya Vivek Jivan Das Swami (BAPS).

Workshop at IDS-NU

IDS-NU organised a workshop on 'Rapid Prototyping' for the fourth and sixth semester Mechanical Engineering students on March 8, 2014.



Prof V. R. Iyer, Director IDS-NU addressing the participants of workshop

Activities by ISTE Faculty Chapters

The ISTE Faculty Chapters of IT-NU and IDS-NU arranged various activities at the respective institutes.

The activities undertaken at IT-NU are as given underneath:



Expert Talk on 'Diet Awareness and Healthy Food Habits' by Dr Liza Shah from Angan Hospital on March 3, 2014



An Awareness Programme and Vaccination Campaign on 'Cervical Cancer Awareness and Vaccination' by Dr Kajal Shah and her team from Shalby Hospital on March 08, 2014



Workshop on 'Discover your Innovative Self' on March 14-15, 2014 by Dr. Ketan Kotecha, Director IT-NU



A Sensitization Programme on 'Waste Management' by Dr Kalpana Andhare from Shtree Mukti Sangathan on March 22, 2014

In addition to these the ISTE Faculty Chapter of IT-NU also organized a Workshop on 'Assessing Higher Order Thinking Skill' by Dr K Kotecha and Dr Richa Mishra on March 01, 2014; An Interactive Session on 'Dental Car' by Dr Preeti Vora from Rangashree Dental Clinic on March 04, 2014; An Expert Talk on 'Cyber Security Awareness' by Prof. Pooja Shah on April 03, 2014 and An Expert Talk on '3D Holographic Projection: Research and Applications' by Prof. Priyanka Sharma on May 03, 2014

NIDS ISTE Faculty Chapter organized the expert lectures mentioned underneath at IDS-NU:



'Emotional Intelligence' by Prof. Mitesh Soni on March 29, 2014



An expert lecture by Mr. R. K. Malaviya, Former Scientist, ISRO on 'Flight Model Antennae, A bird's eye view to Materials' on April 12, 2014

National Research Paper Writing Competition

Centre for ADR, IL-NU organized its pioneer ADR National Research Paper Writing Competition on the theme 'International Commercial Arbitration in India: Problems and Prospects'. Leading Law firm in India, Khaitan & Co. was the exclusive Law Firm Partner for the Competition. The other partners to this competition were Chartered Institute of Arbitrators, India and Wolters Kluwer as knowledge partners. This Competition received overwhelming response from the students' fraternity across the country and around 40 research papers were received.

National Symposium on International Commercial Arbitration in India: Problems and Prospects

Centre for ADR, IL-NU organized a one day National Symposium on International Commercial Arbitration in India: Problems and Prospects on May 10, 2014. The four sub-theme on this broad theme were 'Challenges for Bilateral Investment Treaties and Issues related to Investment Arbitration'; 'Judicial Intervention in Arbitral Process: Analysis Post BALCO v Kaiser Aluminium Judgement'; 'Enforcement and Recognition of International Arbitral Awards in India: Issues and Challenges' and

'International Arbitration Tribunals in India: Future Opportunities and Challenges'.

Hon'ble Mr. Justice Ravi R. Tripathi, Judge, High Court of Gujarat; Shri Shishir K. Dholakia, Senior Advocate, Supreme Court of India; Mr. Sanjeev Kapoor, Litigation Partner, Khaitan & Co.; Mr. Chandrakant Kamdar, Hon. Secretary, CI Arb, India and Mr. Avdhoot Sumant, Senior Advocate, Gujarat High Court were invited as keynote speakers to speak on these sub-themes. Inaugural function was presided by Dr Anup K. Singh, Director General, NU.



A glimpse of the National Symposium at IL-NU

STTP

Department and Institute	Title	Duration
Department of Computer Engineering, IT-NU in collaboration with IIT, Bombay	Computer Programming	June 16- 21, 2014
	Computer Networking	May 22, 2014 to June 30, 2014 (Duration of Online Activities)



In Focus

Vision for education: In the field of Built Environment

Prof. Utpal Sharma, Director, IA-NU

The rapid economic growth in India has created an urgent need to address the issues related to urbanization and development. Built Environment is the field that integrates and combines different aspects of development, both tangible and intangible, through physical manifestation and helps in creating a better society and living environment.

The disciplines of Architecture, and planning itself go beyond functional aspects of design and buildings, and helps in creating vibrant environment thereby enhancing the quality of life of the people and the overall aesthetics of the place. It is this field that encompasses various aspects like urban design; land utilization, energy conservation, sustainability ecology, landscape, conservation, affordable houses, infrastructure and public transport etc. at both micro and macro level.

VISION: A faculty of Built Environment should envision in shaping a better future for mankind by developing effective and socially responsible individuals and organizations. It aims in creating learning centered institution with a culture of thoughtfulness and academic excellence, committed for a vibrant student community of lifelong learners. It emphasizes on the all-round development of its students. Not only producing good professionals, but also good and worthy citizens of a great country aiding in its overall progress and development. It endeavors to treat every student as an individual, to recognize their potential and to ensure they receive the best preparation and training for achieving their career ambitions and life goals.

MISSION: It shall prepare students to succeed in their education, progress in the workplace and engage in civic and cultural life. It shall further encourage student learning and respond to the educational needs of local population and economy. Emphasis on contributing its resources to the intellectual, cultural, physical and economic vitality of

the region will be utmost. The Institute aims to start undergraduate courses in architecture, planning and designing and is inspirational to further with Masters and Doctoral studies. All the courses will aim in expanding horizons of knowledge by providing research environment with strong theoretical grounding.



CURRICULUM: Built environment is a unique program that focuses on providing education through exposure to indigenous and traditional techniques of building design using modern technology. It provides intellectual platform and opportunity for the young aspirants to interact and learn through interdisciplinary integration with various other programs of law, management, planning, sociology, ethnography, social service etc. It shall increase experimental learning opportunities for students through service learning, work experience and internships. The syllabus content has less constant and more variables. The five-year programme in architecture is designed in two stages:

- 1) First–sixth semester–Building theoretical base of architecture
- 2) Seventh–tenth semester–Building practical base by facilitating one-year internship and handling independent project through research thesis.

The organization of the five-year course follows mobilization and enhancement of the creative thinking in the first year. Addition of two important dimensions in design approach–environment and society in second year will further learning focus on fundamentals of Town



Planning and Human settlement. Building bye-laws and regulation will be introduced in third year to facilitate designing within context and working drawings with site surveying, structure and services shall focused. It will also encourage enviousness on sustainable architecture and energy efficient buildings. Allied architectural subjects like landscape architecture, urban design and interior design will be introduced to broaden their scope for internship. Fourth year is emphasized for practical training and internship. The objective of one-year internship is to provide the students with the opportunity to get involved in a particular project holistically from inception to end final output. Dissertation and introduction of the broader scope of Architecture - Planning - Urban and Regional, housing and environmental design will be focused in final year.

PEDAGOGY: LEARN TO BUILD AND BUILD TO LEARN

Built environment is a creative field, which emphasizes on teaching – learning through research and practice. The student and faculty will involve in a highly focused training in analytical abilities, visualization, communication and representational skills. Design pedagogy in courses of built environment is the sole determinant of the most significant opportunities for students to acquire skills and knowledge that constitute the foundation for their continuous growth in later years. The pedagogic strategy adopted for the programme is based on following principles:

- 1) **Practical approach:** Hands on experience through field and site visits, building construction workshop, market and industry surveys, interaction with professionals, Govt. authorities and users will be held for better understanding. Students will be encouraged in initial years to focus on experiencing and working with their natural senses and acclimatize to human necessity and understanding that shall provide foundation to their further human sensitive designing.
- 2) **Research orientation:** To build the logical reasoning for elements of building, student will be required to follow research approach. Case studies at various levels will be done to produce analytical evaluation of user benefit and issues. Similarly, in case of building technology and materials, students need to do a thorough research for finding ulterior solutions - local, productive and sustainable.
- 3) **Multidisciplinary:** Various facet of the society, latest technology, environmental aspects, planning, economy, sociology, management, transportation etc. need to be correlative with creativity for sustainable design.

- 4) **Participatory Learning:** Class participation will be encouraged. Collective evaluation on live projects and excises will lead to broader scope of understanding. Experts from the field will be invited to share their knowledge and experience. Students shall be provided with ample opportunities for discussion, critic and inspiration.

Faculty of Built environment will focus on promoting environmental supporting development of human resources. Consultancy and Research will allow the students and faculty to work on live projects, which will give cutting edge knowledge and experience. Combination of academic and practical execution will provide exposure and preparedness for the profession.

Values: Foremost in providing conducive environment propagating intellectual curiosity and innovation is values of an institution. We shall emphasize on:

1) Learning and Teaching:

- Supporting a variety of teaching philosophies and learning modalities.
- Cultivating critical thinking in various context
- Engaging in ongoing reflection on learning by student and staff
- Encouraging collaboration that fosters learning

2) Community and Diversity:

- Practicing work in and ethical and reflective manner
- Encouraging diversity in curriculum and community of learners
- Honoring and respecting cultural diversity with respect, dignity and integrity.

3) Individual and collective responsibility:

- Cultivating sense of social and individual responsibility
- Playing leadership role in larger community
- Embracing thoughtful change and innovation

It is a challenging opportunity for all who wish to contribute to the society by making it more sustainable through adaptive designs and professional practices. Learning under Built Environment will be an inclusive program that integrates one's art, research and experimental desires amidst practical aspects of human life and nature.

Research & Development

Institute	Area of Research	Name of Faculty	Title of Research	Funding Agency	Amount in Rs. in Lacs
IT - NU	Antenna Design	Dr D. A. Pujara Dr D. M. Adhyaru	Optimization of Corrugated Horn Antenna using Adaptive Neuro-Fuzzy Inference System	ISRO-RESPOND	11.04
IT-NU	Structural Engineering	Dr Paresh V. Patel Prof. Digesh Joshi	Study the Behaviour of Precast Beam-Column Junction under Progressive Collapse Scenario-An Experimental and Analytical Investigations	DST-SERB	20.50
IT-NU	Automobile Engineering	Dr R. N. Patel Prof. A. M. Lakdawala	Experimental Investigation on Life Cycle Analysis and Combustion Characteristics of CI Engine Operating on Esterified Oil and its blends with Bio Additives	GUJCOST	8.10
IT-NU	Nanotechnology	Dr Chetna Chauhan	Low Temperature Synthesis and Characterization of Magnetic Nanoparticles	GUJCOST	4.95
IT-NU	Electronics	Dr D. K. Kothari Prof. Manisha Upadhyay Prof. Sachin Gajjar	Precision Agriculture Support System using Wireless Sensor and Actuator Network	GUJCOST	4.50
IT-NU	Solar Energy Technology	Dr R. K. Mewada Dr S. S. Patel	Process Development for Hydrogen Production through Solar Thermal Energy	GUJCOST	4.00
IT-NU	Surveillance System	Dr Sanjay Garg Prof. Vijay Ukani	Object Detection and Surveillance System	GUJCOST	4.00
IT-NU	Thermodynamics	Dr M.H.Joshipura	Determination and Predictions of Thermo Physical Properties of Biodiesel and Blends of Biodiesel	GUJCOST	3.30
IT-NU	Cloud Architecture	Dr Madhuri Bhavsar Prof. Lata Gadhavi	Design and Development of Automated and Reliable Service Provisioning Cloud Architecture for Engineering Educational Domain	GUJCOST	3.00
IT-NU	Communication Technology	Dr Yogesh Trivedi Dr. N P Gajjar	Design of a Hybrid System for Seamless Communication Across DVB and LTE Networks	GUJCOST	3.00
IT-NU	Civil Engineering	Dr Sharadkumar P. Purohit Dr Paresh V. Patel	Dynamic Characterization of Shock Table	GUJCOST	7.40

IS-NU	Agricultural Microbiology	Dr Shalini Rajkumar	Molecular Basis of Succinate Mediated (catabolite) Repression of Mineral Phosphate Solubilization in Nitrogen Fixing Klebsiella Pneumonia	Science and Engineering Research Board, DST	28.88
IS-NU	Agricultural Microbiology	Dr Shalini Rajkumar	Biochemical Basis of Repression of MPS Phenotype in Rhizobia	Gujarat State Biotechnology Mission, DST	14.30
IS-NU	Protein Structure Studies	Dr Mili Das	Generation of Thermostable Variants of a Mesophilic Amylase by directed Evolution and their Characterization	Gujarat State Biotechnology Mission, DST	13.00
IS-NU	Human Genetics	Dr Sonal Bakshi	Ideopathic Mental Retardation and Dymorphism: Karyotypic and UPD Analysis	Gujarat State Biotechnology Mission, DST	15.26

Annual Get-together

The Annual Get-Together of all faculty and staff members of IT-NU was organized in the Nirma Campus on March 29, 2014.



Faculty members and their children enjoying themselves during the get-together of IT-NU

The Annual Get-Together of the University Senior officers and staff was arranged at 'Ultima' Restaurant, Ahmedabad on March 30, 2014. The occasion was graced with the presence of Dr Anup K. Singh, Director General, NU; Shri D. P. Chhaya, D(G&AA), NU and Dr A.S. Patel, I/c Executive Registrar, NU. The staff of NU along with their family members savored every moment of the occasion.



Glimpses of Annual Get Together of NU

Extension Activities

Teaching Activities at Miroli Village

Students of IT-NU undertook teaching activities at Miroli village on every Saturday during March 1, 2014, to March 22, 2014. They also interacted with the villagers to understand the village society and their issues.

Literacy Campaign

IDS-NU organised a Literacy Campaign to teach the underprivileged children at SWASH, an NGO in Ahmedabad on March 8, 2014.



Faculty members and students of IDS-NU at NGO-SWASH

Awareness Camp

The Camp was organized by IP-NU at Chharodi Primary School on March 08, 2014. The theme of activity was to create General Awareness amongst the school children. The students were explained on the importance of good habits, healthy food, cleanliness and about Malaria and Tuberculosis and how to take medicines using video-film and posters. The camp was attended by around 150 students.

In-house Campaign for Collecting Items

IT-NU organized an in-house campaign for collecting items such as clothes, education material, containers, bottles and other non-perishable items during March 21-April 30, 2014 which were distributed to the families of construction workers working at Nirma University on May 02, 2014.

Visit to IT-NU

A one day visit to the Analog Laboratory at IT-NU was arranged for the students of Riverside School on April 03, 2014.

Legal Awareness Programme for Under-trail Prisoners

IL-NU elevated a step towards legal awareness under the Legal Aid Clinic by organizing a Legal Awareness Programme for under-trail prisoners at Sabarmati Central Jail, Ahmedabad on May 3, 2014. Hon'ble Mr. Justice A.J. Desai, Judge, High Court of Gujarat, Chief Guest of the function graced the occasion along with R.S. Bhagora, Superintendent Sabarmati Jail and Shri Kambodiya, Senior Jailor, Ahmedabad. Hon'ble Mr. Justice A.J. Desai enlightened the prisoners about the concepts of bail, plea bargaining, probation and legal aid and educated them about the concept of Legal Aid. Mr. Kambodia, Senior Jailor spoke about the importance of good behaviour in the prison and how the prisoners can take benefit of the provisions discussed.



A glimpse of the Legal Awareness Programme at Sabarmati Central Jail, Ahmedabad



Industry Interface

Testing work undertaken at IT-NU

Department	Title	Organization	Date
Department of Civil Engineering	Granite Compression Test	Meenal Ceramics	April 2, 2014
	Soil Test	NCC Ltd.	May 6, 2014
	Tensile Test	PMC Projects Private Ltd. (Gift City)	May 6, May 28, June 4, June 11, 2014
	Mix Design	Hi Bond Cement	May 9, 2014
	Finite Element Analysis	Sintex Pvt. Ltd., Kalol	May 23, 2014
	Compression/ Tensile Test	Maxroth Chemicals Ltd	June 2, 2014
	Soil Test	NCC Ltd.	June 17, 2014
	Water Testing	Sankruti Developers	June 21, 2014
Department of Mechanical Engineering	Thermal Conductivity	Kafer Punj Lloyd Limited	March 2014
		M/s Japeva Engineering Pvt. Ltd., Chennai	March 2014
		Ministry of Defence Department, New Delhi	March 2014
		Lloyd Insulation (I) Ltd., New Delhi	April 2014
		Heatshield India Ltd.	May 2014
		M/s. Keltech Energies Ltd., Bangalore	May, June 2014
	Compressive Strength, Open Cell, Water Vapor Transmission	Mahi Enterprise	June 2014
	Closed Cell, Compressive Strength, Density	Sintex Industries Limited, Kalol	June 2014

Consultancy work undertaken at IT-NU

Department	Faculty	Title of Consultancy	Address of the Collaborative Organization
Department of Electrical Engineering	Dr Usha Mehta	Design and Development of FPGA Based 4-Axis Motion Controller	Amess Control Pvt. Ltd., Ahmedabad
	Prof. A. N. Patel, Prof. T. H. Panchal, Prof. Mihir C. Shah	Analysis of Fan Motors' Ratings in Stenter Machines	InspirOn Engineering Pvt. Ltd., Ahmedabad
	Dr D. M. Adhyaru, Prof. J.B. Patel, Prof. Jayesh Barve, Prof. Sandip Mehta, Prof. Alpesh Patel	Design of Automatic Temperature Control System for the Chambers of Stenter Machine	InspirOn Engineering Pvt. Ltd., Ahmedabad
Department of Mechanical Engineering	Dr R N Patel, Dr V J Lakhera, Prof S J Joshi, Prof. D V Patel, Prof. D B Shah	Mechanical Engineering Concept for Design of Power Electronic Devices	M/s. Hitachi Hi-Rel Power Electronics Pvt.Ltd. Gandhinagar
	Dr R N Patel, Prof. S J Joshi, Prof. V M Bhojawala, Prof. M M Chauhan, Prof. D V Patel, Prof. D B Shah	3D Geometric Modelling	M/s. Hitachi Hi-Rel Power Electronics Pvt.Ltd. Gandhinagar
	Dr R N Patel, Dr V J Lakhera	Consultancy for Software Application for Redesigning of Pump	M/s. Duke Plastics Technique Pvt. Ltd. Palanpur

Management Development Programme

IM-NU organized the following programmes for industry professionals:

Effective Communication for Higher Performance for NDDB	March 28-29, 2014
Enhancing Managerial Effectiveness for Nirma Ltd. (Healthcare Division)	April 17-19, 2014
Managing High Performance for NDDB	May 28, 2014

Initiatives By Academic Development & Research (ADR) Cell

ISTE Faculty Chapter, IT-NU and ADR Cell jointly organized a workshop on 'Discovering Your Innovative Self' for all the faculty members of IT-NU on March 14 and 15, 2014. Dr K. Kotecha, Director IT-NU conducted the workshop. This workshop was very interesting and also very innovative in nature. Faculty members were divided in twenty five groups, each group of nearly six or seven faculty members. Each group was asked to list the best teaching practices used by group members and also to finalize one best practice out of all listed practices. Each group leader then presented the list of practices as well as best practice of the group. The workshop was attended by more than 180 faculty members. It was an enriching experience for the faculty who got an opportunity to learn various innovative teaching practices.



Dr Ketan Kotecha, Director IT-NU with the Heads of Departments during the workshop conducted by ADR Cell at IT-NU



Faculty of IT-NU during the workshop conducted by ADR Cell

ADR Cell also organized a workshop on 'Building of Institutional Values' on May 1, 2014. Dr Vidyut Joshi, Emeritus Professor, IL-NU was the facilitator of the workshop. The Heads of Institutions, Heads of the Departments, Area Chairs and IQAC Coordinators of the University participated in the said workshop.

Centre for Continuing Education (CCE)

CCE organized following programmes:



Skill Based Course on Automobiles Servicing on March 3, 2014



F.D.P. on 'Performance Analysis of MIMO Wireless Communication Systems' on March 5-9, 2014 at IT-NU



Case Teaching Workshop for Management Teachers during March 21-22, 2014 at IM-NU



One Day Lecture Series on 'Current Trends in Molecular Biology Programme' on March 8, 2014 at IS-NU



Workshop on 'Virtual Instrumentation and Its Application' on April 12-13, 2014 at IT-NU



My Pledge-Self Leadership Programme during May 15-16, 2014 at IDS-NU



Engineering Graphics- A Language of Engineer during May 27-29, 2014



Engineering Mathematics- A Tool for Engineers during June 3-7, 2014



Mechanics of Solids during June 10-12, 2014



Web Designing using Visual Studio 2010 during June 25-27, 2014



Skill Based Course on 'Automotive Servicing' during June 23 to July 05, 2014



Android Programming at IDS-NU during June 30 to July 4, 2014

Faculty Corner

Faculty Achievements

Dr Shalini Rajkumar of IS-NU along with Mr. Maharshi Pandya and Dr. Bhavesh Kevadiya has filed Provisional Patent on 'Formulation of 6-Benzylaminopurine Montmorillonite Alginate (6-BAP-MMT-AL) Microcomposites for Sustained Release (Application No. 1977/MUM/2014).

Dr Bhoomika M. Patel of IP-NU received the 'PharmInnova Award' for best M. Pharm. Thesis in guide category (Pharmacology) and **Dr Sanjeev Acharya** of IP-NU received the runner up award for best M. Pharm. thesis in guide category (Pharmacognosy) conducted by 'Rajniibhai V Patel Trust' in co-sponsorship of 'Department of Science & Technology, Govt. of India'.

Prof. Priya Saxena of IT-NU won the consolation award with a cash prize of Rs. 2000 in the working professionals category for the paper titled 'A Case Study on Performance Evaluation of Alternative Wastewater Treatment Method Adopted for a Common Effluent Treatment Plant (CETP)' under the Blast Carboblocks/ UHDE India Pvt. Ltd. / Chemical Weekly Award organized at the 10th IICHe Outstanding Young Chemical Engineers (OYCE) hosted by Thadomal Shahani Engineering College, Mumbai during March 8-9, 2014.

Dr J.P. Ruparelia of IT-NU guided a project titled 'Manufacturing of Phthalonitrile by Ammoxidation of o-xylene' which was selected in top five best projects and received a cash prize of rupees two thousand from Gujarat Cleaner Production Centre (GCPC) on March 24, 2014.

Prof. Karuna Mahajan of IDS-NU was awarded 'Gold Medal' for standing first in overall performance; 'Director General Plaque' for standing 1st in order of merit for overall performance and 'Certificate for Exceptional Talent' in Lecture Individual Presentation in the course of 'National Level NCC (PRCN Course-92) Training' at Gwalior, Madhya Pradesh during March 24-June 21, 2014.



Prof. Prashant Bagga of IDS-NU was conferred the 'Best Paper Award' for his paper on 'Machine Learning Technique to Control Process Parameters in Abrasive Water Jet Machining' at an International Conference on Emerging Trends in Electrical, Electronics, Instrumentation and Computer Engineering at Bhilai Institute of Technology, Raipur on March 27-28, 2014.

Prof. Hanuman Tiwari of IT-NU has achieved First Rank in ISTE-SRMC-2013-14 in Gujarat Zone organized by ISTE, New Delhi in January, 2014.

Dr Deepak Srivastava of IM-NU was invited as 'Visiting Professor' by School of Business, Tecnológico De Monterrey University, Mexico for one year during August 2013 to May 2014.

Prof. Ankit Thakkar of IT-NU has been selected as a Reviewer for International Journal of Distributed Sensor Networks by Hindawi Publications and a Journal of Swarm and Evolutionary Computation by Elsevier.

Dr Monika Swami of IDS-NU has been selected as the Reviewer and Editorial Board member of 'International Journal of Chemistry and Applications'.

Faculty Recognitions

Dr Usha Mehta of IT-NU has been appointed as Programme Committee Member of 6th International Conference on 'Soft Computing and Pattern Recognition', Tunisia on March 1, 2014 and '14th International Conference on Intelligent Systems Design and Applications-2014' Okinawa, Japan on May 7, 2014.

Dr Jayesh Barve of IT-NU acted as an Invited Session Chair in two sessions namely 'Control and Formations of UAV' and 'System Modelling and Control' at ACODS-2014 International Conference organized by IIT-Kanpur during March 13-15, 2014. He was also invited as an Associate Editor at ACODS-2014 International Conference organized by IIT-Kanpur during March 13-15, 2014.

Prof Shantanu Mehta of IM-NU had been invited as a Panel Member for Promotion of Officers in Bank of Baroda in May 2014.

A case titled 'Addrec Solutions Pvt. Ltd. : Managing Challenges of Growth' prepared jointly by **Prof. Anamika Sinha** of IM-NU and Prof. Biju Varkkey of IIM-Ahmedabad has been listed and invited for showcasing at IIM, Ahmedabad Society Conference 2014 scheduled during June 27-28, 2014.

Prof. Sapna Choraria of IM-NU was appointed as Editorial Board Member for the VINE: The Journal of Information & Knowledge Management System (Emerald Database) for its upcoming 2014 Edition, Volume 44 Issue 3. (ISSN: 0305-5728).

Prof. Pawan K. Chugan of IM-NU was appointed Member Editorial Board of the 'Journal of Behavioural Economics, Finance, Entrepreneurship, Accounting and Transport' published by the Science and Education Publishing, Mewark, Delaware, USA for a period of two years on June 12, 2014.

Dr P. N. Tekwani of IT-NU worked as a Reviewer for Technical Papers of the 40th Annual Conference of the IEEE Industrial Electronics Society, which is going to be held at Sheraton Hotel, Dallas, Texas-USA, during October 28- November 1, 2014. He also worked as a Member of International Scientific Committee and Technical Paper Reviewer for the 12th 'International Conference on Renewable Energies and Power Quality organized by European Association for the Development of Renewable Energies, Environment and Power Quality, University of Vigo, and University of Córdoba, Spain. The conference was held during April 7-10, 2014. He was the Chairman of special session on 'Applications of Multi-Level Converters and Inverters in Power Quality Improvement' for the same conference.

Prof. Vimal Kumar of IP-NU has been elected second time as a 'National Joint Secretary' of 'Society of Pharmacognosy' during 18th Convention Society of Pharmacognosy at Maharshi Dayanand University, Rohtak for the period of 2014 to 2017.

Ph. D. Awarded

Prof. Femina Patel of IT-NU has received her Ph. D. degree in the field of Chemical Engineering for her thesis entitled, 'Synthesis and Characterization of Perovskite based Catalysts for Automotive CO Oxidation' from Nirma University on January 25, 2014.



Prof. Amit Parikh of IT-NU has been awarded Ph.D Degree in Mathematics from SVNIT, Surat in May 2014.



Expert Lectures Delivered by Faculty

Dr U. V. Dave of IT-NU on 'Evaluation of Corrosion in RCC and Steel Structures, its Mapping & Repair Strategy' in a two day workshop on 'Corrosion in R.C.C. and Steel Structures-Fundamentals, Assessment, Protection and Repair Strategy' organized by Dr Fixit Institute of Structural Protection and Rehabilitation and Sardar Patel College at Sardar Patel College, Mumbai on March 06, 2014. He also delivered expert lectures on 'Evaluation of Corrosion in RCC Structures' and 'Evaluation of Corrosion in Steel Structures & Strategies for Repairs' in the two day Professional Development Course on 'Evaluation, Repair and Protection of Structures against Corrosion' at Civil Engineering Department, IT-NU on April 25, 2014.

Dr S. C. Vora of IT-NU on 'Artificial Intelligence Applied to Electrical Power System' at Marwadi Education Foundation Group of Institutions, Rajkot on March 29, 2014.

Dr Usha Mehta of IT-NU on 'Advances in VLSI Testing' at National Conference on 'Emerging Vistas of Technology in 21st Century' Parul Institute, Baroda on April 05, 2014.

Prof. Deepak Srivastava of IM-NU on 'ICT Services and Applications for Disadvantaged People: A Case of India' on April 10, 2014 at the XIV Infopoverty World Conference at United Nations, HQ, New York. He also delivered a lecture on 'Doing Business' in India on April 14, 2014 at East Stroudsburg University, USA.

Prof. Sarat K. Dalai of IS-NU on 'Recent Advances in Biological Sciences' as key note address during inaugural



function at Department of Bioscience, Saurashtra University, Rajkot as the Chief Guest on April 15, 2014 and delivered a talk entitled 'Dynamics of Memory T Cells: Malaria and Beyond'. He was also invited to deliver a technical talk entitled 'Innate Immune Response Dictates the Fate of Adaptive Immune Response' for the participants of 29th Refresher Course: Bio-Science and Bio-Engineering at S.P. University, Vallabh Vidyanagar on June 21, 2014. He also spoke as Chief Guest during valediction on 'The Role of Teachers in Higher Education'.

Dr M. H. Joshipura of IT-NU on 'Tearing and Partitioning for Process Flowsheets' as resource person at Reliance Industries Limited as a part of their In House Certificate Programme on Chemical Engineering on April 19, 2014.

Dr Vijay Kothari of IS-NU on 'Fermentative Production of Alcohol' at Co-Anchor Institute (L D College of Engineering), Ahmedabad, on April 22, 2014, as a part of Training Programme on Industrial Biotechnology promoted by Industries Commissionate, Govt. of Gujarat. He also delivered an invited talk on 'Prokaryotic Diversity', GSBTM Crash Workshop-BTCBC-2014, May 8, 2014, PS Science College, Kadi, as well as on 'Bioanalytical Techniques', GSBTM Crash Workshop-BTCBC-2014 on May 11, 2014 at Sheth M N Science College, Patan.

Dr Nasreen S. Munshi of IS-NU on 'Extrachromosomal Elements - Plasmids and Transposons' on May 7, 2014 in CBC Workshop for National Level Eligibility Test for T.Y. B.Sc. Sponsored by GSBTM at Pramukh Swami Science and H.D. Patel Arts College, Kadi, Gujarat.

Prof (Dr) Vidhyut Joshi of IL-NU delivered a session on 'Tribal Studies' at Dr S L Doshi Memorial Lecture Series at Udaipur on May 9, 2014.

Dr Dhaval Pujara of IT-NU on 'Enhancing Communication Skills for Research in Technical Education' at ISTE SRM Sponsored STTP, LCIT, Bhandu on May 12, 2014.

Dr Richa Mishra of IT – NU, on 'Communication Skills and Critical Thinking' at the Shankersinh Vaghela Bapu Institute of Technology, Gandhinagar on May 14, 2014.

Dr Ankur Dwivedi of IT-NU on 'Analytical Chemistry: Significance and Applications' at Shri M. M. Patel Institute of Sciences, Kadi Sarva Vishwavidyalaya, Gandhinagar, Gujarat on May 20, 2014.

Dr Sandeep Malhotra of IT-NU on 'Vector Differential Calculus' at Workshop on Engineering Mathematics organized by IDS-NU on June 04, 2014.

Dr P. N. Tekwani of IT-NU on 'Advances in Multi-Level Inverter Technology' during One Day Faculty Development Programme on 'Advances in Analysis and Control of Electrical Machines' organized by Department of Electrical Engineering, Gujarat Power Engineering & Research Institute, Mehsana on June 7, 2014.

Dr Jayesh Barve of IT-NU on 'Modelling, Simulation and Control using Matlab-simulink-Applications: an Introduction' in GUJCOST sponsored Workshop on 'Modelling, Simulation and Control using Matlab' at SVBIT, Gandhinagar on June 20, 2014.

Dr Parul Patel of IT-NU on 'SMOS and GPS Fundamental and its Applications' in the Training Programme on Microwave Remote Sensing Software at IT-NU on June 21, 2014.

Dr Sanjay Patel of IT-NU on 'Heterogeneous Catalysis' at UGC Refresher Course, Gujarat University on June 26, 2014.

Journal Published



The Journal of Centre for Social Justice (JCSJ) of IL-NU with ISSN 2348-599X was published on May 13, 2014. The pioneer issue of the Journal was unveiled by Prof. Purvi Pokhariyal, Director IL-NU.

Books Published



Dr Vijay Kothari of IS-NU with two others published a book entitled 'Biological Effects of Radiofrequency: Influence of Sub Lethal Microwave Radiation on Bacterial Growth, Enzyme Activity, and Exopolysaccharide Production', ISBN (eBook) 978-3-656-60968-1; ISBN (Book) 978-3-656-60860-8, Munich, GRIN Publishing GmbH.

e-Book: **Prof. A. C. Brahmabhatt, Prof. Ashwini Awasthi and Prof. Jayesh Aagja** of IM-NU, 'Trends in Management Research' Proceedings of Doctoral Conference on Management (Anvesh-2014), ISBN: 978-81-923049-1-5

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Amitayu Chakraborty of IT-NU, 'Nationalism, Ethnicity and Gender in Ngugi's The Black Hermit', An International Online Peer-Reviewed Scholarly Journal of Pan African Studies, Los Angeles, California, USA, 6.9, 162-174 (May 2014).

Awasthi A. K., and **Shrivastava A.** of IM-NU, 'Servicescape Elements in Leisure Service settings: A Study of Movie Theatres and Restaurants', International Journal of Hospitality & Tourism Systems, 7 (1), 69-73. (2014).

Chetna Chauhan of IT-NU, 'Effect of Lead Substitution on the Microstructural, Magnetic and Dielectric Properties of Barium Hexaferrite Powder', International Journal of Latest Technology in Engineering, Management and Applied Science, 3 (4A), 57-61 (April 2014).

Debasis Dangar of IT-NU, 'Second-Order Non-differentiable Multi-objective Mixed Symmetric Dual Programmes Over Cones', Journal of Mathematical Modelling and Algorithms in Operations Research, Delivery', Drug Delivery Letters, 4(1), 1-9. (June 2014).

Jitali Patel of IT-NU, 'A Survey for Recommender System-with latest Challenges' in International Journal of Advanced Research in Engineering and Technology, 5(4), 15-22, ISSN 0976 - 6480 (Print), ISSN 0976-6499 (Online), (April 2014).

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Milind Joshipura of IT-NU, 'Densities of Six Commercial Ionic Liquids: Experiments and Prediction using a Cohesion Based Cubic Equation of State', Journal of Chemical & Engineering Data, 59 (3), 571-578, (2014).

Nagendra Gajjar of IT-NU, 'Low Bitrate Modulator using FPGA', International Journal of Electronics and Communication Engineering & Technology, Vol. 5 (4), 89-94, April 2014; 'Future of Reconfigurable Heterogeneous Architecture', Journal of Inventi Rapid: Embedded Systems, 3, 1-4, (May 2014) and 'Parallelization of Synthetic Aperture Radar (SAR) Imaging Algorithms on GPU', International Journal of Computer Science & Communication, 5 (1), 143-146 (April 2014).

Neha Patni, Pujita Yadava, Anisha Agarwal and Vyoma Maroo of IT-NU, 'An Overview on the Role of Wheat Gluten as a Viable Substitute for Biodegradable Plastics', Reviews in Chemical Engineering, ISSN (Online) 2191-0235, 30, (2014).

Parikh Palak K. and **Kothari Charmy** of IP-NU and one other 'Indigenous Plant Medicines for Health Care: Treatment of Diabetes Mellitus and Hyperlipidemia', Chinese Journal of Natural Medicines, 12 (5), 335–344, (May 2014).

Patel Bhoomika M. of IP-NU 'Desai V. J. Beneficial Role of Tamoxifen in Experimentally Induced Cardiac Hypertrophy', Pharmacological Reports 66(2), 264-272, (In-press), March-April 2014.

Patel Snehal S of IP-NU and one other 'Phosphatidylinositol-3 Kinase: A Newer Molecular Target in Metabolic and Hormonal Pathway of Polycystic Ovary Syndrome', Experimental and Clinical Endocrinology & Diabetes, 122, 261-267, (2014).

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Priyanka Sharma and **Parita Oza** of IT-NU, 'Optimized Data Aggregation Protocol in WSN for Automation of Water Sprinkler' in International Journal of Computer Science and Communications, 5 (1), 46-50, (March 2014).

Ruchi Gajjar and **Tanish Zaveri** of IT-NU, 'Moment Invariants based Blur Detection and Estimation for Blind Image Restoration', International Journal of Computer Science and Communication, 5 (1), 218-222, ISSN-0973-7391, (March 2014).

Samir K Mahajan of IT-NU, 'Basic Amenities Status for Rural Households in NEC States of India' in Journal of Contemporary Research, Dimapur (Nagaland), 2(1), (ISSN2320-9542/Refereed), (May-2014).

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American International Journal of Research in Science Technology, Engineering & Mathematics (AIJRSTEM) ISSN (Print): 2328-3491, ISSN: 2328-3580 (June 2014).

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Sriram Seshadri of IS-NU and five others published a paper entitled 'Impact of Targeted Specific Antibiotic Delivery for Gut Microbiota Modulation on High-Fructose-Fed Rats', Appl Biochem Biotechnol, 172, 3810-3826, (2014).

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Zunnun Narmawala and **Jitendra Bhatia** of IT-NU, 'Network Coding based Multicast for VANET' in *IJARET (IAEME)*, 5, (4) (April 2014).

e-POSTERS

Shah Jigar N. of IP-NU 'Formulation Optimization and Characterization of Nanosuspension of Acyclovir, EP21685, eposters.net, selectbio,UK, <http://www.eposters.net/poster/formulation-optimization-and-characterization-of-nanosuspension-of-acyclovir>, (March 2014).

Shah Jigar N. of IP-NU 'Formulation, Optimization and Characterization of Lipid Nanoparticles of Clioquinol for Alzheimer's Disease, FIP-PSWC 2014, PD-035, eventure-online.com, (<http://www.eventure-online.com/eventure/publicAbstractView.do?id=232864&congressId=7602>), (April 2014).

Staff Corner

Dr Lalitha Poluru of IP-NU presented a paper on 'Role of Library Associations in Promoting Information Literacy in the Knowledge Society' in the national conference 'Embedding Information Literacy into Higher Education: A Practical Approach through Faculty Collaboration and CBCS', organized by Andhra Pradesh Library Association, Vijayawada in April, 2014. She also successfully completed

'LA101x: Library Advocacy Unshushed: Values, Evidences, Action-a Course of Study offered by University of TorontoX, an online learning initiative of the University of Toronto through edX in May, 2014. Further she has also provided e-contents on 'Ethics and Prevention of Cyberspace Plagiarism' to e-PG Pathshala funded by the MHRD under its National Mission on Education through ICT in May 2014.

Students' Corner

Students' Achievements

Ronit Joy of IL-NU got the best delegate award during the Literary Fest organized during March 14-15, 2014 at the HL College of Commerce, Ahmedabad.

Konark P. Patel and **Prof. Paresh Patel** of IT-NU presented research paper titled 'Heterogeneous Linear Equation Solver using Graphics Processing Unit and Central Processing Unit' in the International Civil Engineering Symposium (ICES-14) at VIT University, Vellore during March 14-16, 2014. They received First Prize in the Poster Category.



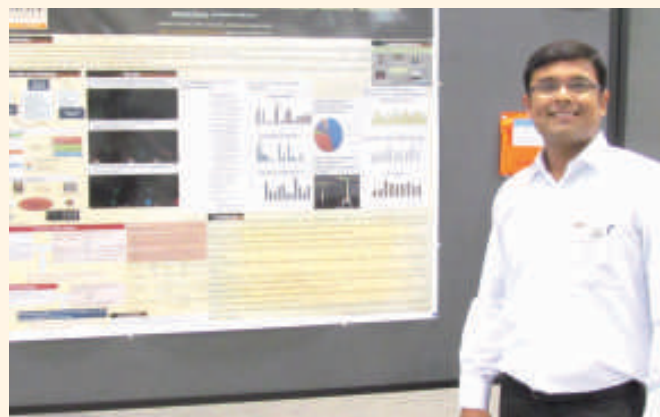
Tabish Samdani and **Soumya Kapoor** of IL-NU presented a Research Paper titled 'Corporate Social Responsibility Mandate as per New Companies Act, 2013: Opportunities & Challenges' in National Seminar on Emerging Trends in Corporate Governance: Legal Issues & Challenges in India on April 11-12, 2014 organized by Amity Law School (IP University), New Delhi.

Rahul N. Jog of IS-NU completed Ph.D. on April 16, 2014 under the guidance of Dr Shalini Rajkumar and he received Postdoctoral Fellowship on June 1, 2014 at Environmental Molecular Microbiology Laboratory, Faculty of Environmental Earth Science, Hokkaido University, Sapporo City, Japan.



Maharshi Pandya of IS-NU, Ph.D. student of Dr. Shalini Rajkumar presented paper 'Breach of Rhizobial Host

Specificity and Colonization of *V. radiata* root nodules by Rhizobacteria' in General Meeting, of American Society for Microbiology, May, 17-20, 2014 at Boston, Massachusetts, U.S.A. He was awarded International Travel Support (ITS) from Science and Engineering Research Board (SERB), Department of Science and Technology (DST), Government of India.



Nilav Choksi of IT-NU won the Award for best M.Tech Embedded System Project in 'e-storm 2014' organized by Ganpat University and eITRA on May 20, 2014.



Prasant Kumar Jena of IS-NU completed Ph.D. under the guidance of Dr Sriram Seshadri and he has been offered Invited Research Professorship upto May 2015, from Prof. Hojun Kim, Dongguk University, Goyang City, South Korea.



Darsana Joshi and **Disha Shah** of IT-NU have been selected under NFP scheme for doing project work at IPR. They will receive stipend of rupees ten thousand per month.

Sanmay Shelat of IT-NU was selected for two months Summer Internship at IIT Bombay under the aegis of Indian National Academy of Sciences.

Dhananjay Nakrani of IT-NU was selected for Google Summer of Code-2014.

Harsh Rathod of IT-NU was selected for Summer Internship at Victoria University, Canada.

Papers Published

Lavina Babani, Vatsal Patel, Neha Oswal, Parag Saxena, M H Joshipura of IT-NU, 'A Case Study on Preparation and Characterization of Jatropa based Biodiesel and its Blends with Waste Cooking Oil', International Journal of Latest Technology in Engineering, Management & Applied Science - IJLTEMAS, III, (III), 81-85, (March 2014).

Sudipta Dasgupta, Vrati Mittal, Pratik Choudhary, Parag Saxena, M H Joshipura of IT-NU, 'Comparative Studies on Decaffeination of Tea and Coffee with various Solvents', International Journal of Latest Technology in Engineering, Management & Applied Science - IJLTEMAS, III (III), 145-149, (March 2014).

Students' Activities

Academic Initiatives

Career Guidance Seminars

A Career Guidance Seminar was organized by IT-NU for aspiring students of 12th Standard (with JEE Main) and interested in engineering courses on May 22, 2014. The session was addressed by key resource people of the Institute. The session also had an open house for students & their parents.



Dr Ketan Kotecha, Director IT-NU addressing the gathering during the Career Guidance Seminar on May 22, 2014 at IT-NU

In addition another Career Counselling Seminar and Open House Discussion on Career Prospects in Pharmacy was conducted by IP-NU on May 24, 2014 for 12th pass-out pharmacy aspirants. Chief Guest Prof. M. B. Dholakia, Member Secretary, Fee Regulatory Committee, Officer ACPC, Ahmedabad addressed all Pharmacy Aspirants and Prof. B. R. Shah, Officer of Special Duty explained the process of online admission & clarified students & parents queries related to admissions. He mentioned that admission procedure will be done by online process. Prof. R. K. Goyal, Distinguished Professor, School of Life Sciences, Ahmedabad University gave an overview about the pharmacy profession and its future. Dr. Bhaswat Chakraborty Sr. Vice President, Cadila Pharmaceuticals Ltd. made a presentation on 'Opportunity of Pharmacists in Industries, CRO in India & Abroad'. Dr M. T. Chhabaria spoke about Pharmacy and its components. More than 200 parents and students attended the seminar.



A glimpse of the Career Counselling Seminar at IP-NU

Business Analytic Workshop

The workshop was organized from March 28, 2014 to April 5, 2014 at IM-NU to enhance the analytical skills of first year MBA (FT)-I students. The workshop was conducted by the experts from Nmore, a Hyderabad based Consultancy Organisation. The workshop enlightened the students on the skills of data analysis, interpretation and presentation of results of analysis in easy to understand visual formats. In addition, it also covered the topics like use of commercially available statistical software and other powerful software.

Certificate Course in Big Data

IM-NU in association with Aureus Analytics conducted a certification programme in Big Data for first year MBA students from March 28, 2014 to April 5, 2014. In all 25 students were selected for the workshop and were oriented

on 'R' Programming Language. A certification test was conducted by Aureus Analytics in collaboration with their third party facilitators. This certification would assist the students to be more industry ready in data analytics.

Managerial Oral Communication (MOC) Workshop

The workshop was organized for the first year MBA students at IM-NU during March 29, 2014 to April 1, 2014. The workshop was organized by experts, Mr. Soumen Chatterjee and Mr. Chandnarayan, the representatives of Hum Consulting, a Hyderabad based consulting company. The topics covered in the workshops included Group Discussions, Group Interviews, Business Etiquettes etc.

Activities by Organization of Civil Engineering Students

Organization of Civil Engineering Students, IT-NU organized an expert lecture on 'Avenues and Career Opportunities for Civil Engineering Students' for B. Tech Sem. IV students which was delivered by Mr. Akash Mehta and Mr. Rupesh Shah of Logic Academy, Ahmedabad on March 28, 2014 and a technical event titled 'Cube Casting' on April 10-11, 2014.

Visit to Mega Lok Adalat

The students of IL-NU on April 14, 2014 visited and observed the proceedings of Mega Lok Adalat organized by various Legal Services Authority at Metropolitan Magistrate Court, Gheekanta, Ahmedabad; District (Rural) Court, Mirzapur, Ahmedabad; City Civil Court, Ahmedabad; Family Court, Navrangpura, Ahmedabad and Gandhinagar District Court. The purpose of this visit was to observe and understand the proceedings of Lok Adalats as a part of the clinical paper of ADR.

Three-Day Professional and Placement Training Workshop

Campus Recruitment Committee, IL-NU organized a Three-Day Professional and Placement Training Workshop at the institute during May 29-31, 2014 for the Graduating Batch 2015. The sessions comprised the events as Pre employability Test and expert lectures by Mr. Yashpal Singh Kanwar, Head, Corporate Relations, NU along with other officials of the University on Facing Interviews, Corporate and Allied Laws and Securities Law.

Arbitration Training Workshop



The Arbitration Training Workshop was conducted by Mr. Avdhoot Sumant, Senior Advocate along with his team of Arbitrators on May 9, 2014 at IL-NU. The workshop explored the practical aspects of arbitration through mock arbitral session and simulation exercises to make the students aware about the practical nitty-gritty applied and adopted in International/domestic arbitration procedure and issues related thereto and provided practical understanding to the students about the overall functioning of the Arbitration proceedings.

Training on e-resources

A library session for training on e-resources was organized on June 16-17, 2014 for the second year students of MBA. Along with this, APA styles citation in library were also displayed.

Social Initiatives

Initiatives undertaken at IS-NU

The students of IS-NU undertook initiatives to help and support the underprivileged in the society. The team of the students of the institute visited Blind People Association, Vastrapur, Ahmedabad on March 18, 2014. Various useful items like clothes, stationary etc. were collected and donated at the Charity Haat of BPA. Students also voluntarily contributed donation for free cataract operation at the eye hospital of the BPA trust. In addition the students of the institute also organized a religious activity at the old age home, Ashram Road, Ahmedabad on March 22, 2014 and participated as volunteers at World Downs Syndrome Day celebrated at Sanskar Kendra, Paldi, Ahmedabad.

Nomination for Volunteer Hero Awards

Rishabh Chaturvedi of IT-NU has been nominated for the prestigious Volunteer Hero Awards 2013. He works for an organization: Make a Difference and helps to better the lives of more than 200 children at risk in Ahmedabad.

Blood Donation Camp

As a part of their social initiative 'Ek Ummeed', Rotaract Club of Nirma Institutes, IT-NU, in association with Prathma Blood Group, organized a blood donation drive at Nirma University during March 28-29, 2014 in which 254 blood units were collected.



Students of IT-NU and children during Koshish, the Social Initiative

IM-NU Rotaract Club Events

The Rotaract Club of IM-NU organized following events:

- A debate competition Manthan'14 on March 3, 2014 on 'Polio Eradication'
- Installation Ceremony of the board members of Rotaract Club of IM-NU 2014-15 on March 7, 2014 in the presence of Rtn. Beena Desai, President, Rotary Club, Kankaria District
- World Tobacco Day on May 31, 2014 through mass mailing of a card specially designed for the purpose and loudly proclaiming the message, 'Stop Tobacco Consumption today!! Let us Make Everyday a No Tobacco Day!!'



Blood Donation Camp by RCNI at IT-NU

Koshish: The Social Initiative

ISTE Students' Chapter, IT-NU organized two events under its social initiative Koshish. Realizing that giving someone your time is the best gift one can give someone, the young and motivated volunteers went to an old age home, to spread smiles and love. ISTE's active working force realized the growing menace of traffic problems and thus reached out to help the Ahmedabad traffic police in managing the soaring traffic for a day.



- World Environment Day on June 05, 2014 to sensitize the general public about protecting our environment with the short message: 'Plant the Planet. Keep our environment clean. Let each day of our lives be a World Environment Day. Leave a legacy - the future depends on US.' which was mailed along with a card specially designed for the purpose.

Cultural Initiatives

Vibes'14

IL-NU organized its first ever Annual National Cultural and Sports Festival-Vibes'14 during April 11-13, 2014. It started with a vibrant Flash Mob performed by its students followed by rolling of posters of Vibes from the terrace of the Institute. Over 200 teams for different events from various universities across the country as NLU-Jodhpur, Gujarat National Law University, Gujarat Law Society, NIFT, Jindal Global Law School, UPES-Dehradun, IIT-G, NMIMS and many more participated in the fest. Over 30 events were organized which were judged by professionals. Various programmes organized comprise photo booth conducted by Aasman-the NGO, Nukkad Natak which portrayed the ranging social issues like Drug Abuse, Women Empowerment, and Flawed Education System etc., performances by Bands, competition amongst DJs, Ramp Walk, with MTV-the youth partner of VIBES hosting its Rock the Vote Campaign and many more such events.



Sports Initiatives

Annual Sports Day Celebration

Annual Sports Day Celebration was scheduled during March 13-15, 2014. The Chief Guest on the occasion of the inaugural function on 13th March 2014 was Brig. A. S. Harge, (Brigadier) Group Commander, NCC Group Head Quarter, Ahmedabad. The function was also attended by Dr Ketan Kotecha, Director, IT-NU, Prof. V. R. Iyer, Director IDS-NU, Dr Sarat Dalai, I/c Director, IS-NU along with the other officials of the University. 216 students from all six constituent institutes of the University participated in inter institute Athletics competitions. In addition during the first two days Institute Level Athletics Competitions were also organized. The design of banner for Annual Sports Day Celebration was invited from the students of all institutes on the theme of sports and the chosen design was awarded a prize.



Students competing in the competitions during Annual Sports Day Celebration at NU

Inter Institute Sports Competitions

Inter Institute Competition of Tug of War, Cricket, Football, Volleyball, Table Tennis, Chess, Carom was organized during March 18-24, 2014. 272 students from all six institutes participated in inter institute tournament for team events. Tug of War competition for faculty members was organized on March 15, 2014. IL-NU was the winner of the match. They beat the combined team of IT-NU and IDS-NU.

Alumni Corner

Alumni Lectures at IT-NU

Mr. Piyush Bhan visited IT-NU on March 11, 2014 and delivered a lecture on 'Industry Trends and what does an Employer looks at while Recruiting' for B. Tech., M.Tech and MCA students.

Mr. Saaket Shah visited IT-NU on March 14, 2014 and delivered a lecture on 'Career Guidance' for B.Tech. students of Department of Computer Science and Engineering.

Extra-curricular Activities

Panel Discussion

Rotaract Club of Nirma Institute (RCNI) along with Success Decoded organized a panel discussion confluence with successful young executives on March 20, 2014. The Programme aimed at familiarizing the students about the recruitment process and how to face interviews. RCNI, IT-NU also conducted KenQuest'14, an inter-institute quizzing event for the first year students of the University. The aim of the event was to encourage and recognize the fresh lot of quizzers.



Panel Discussion on 'Success Decoded' by RCNI at IT-NU

Incendio'14

ISTE Student's Chapter, IT-NU organized exciting events as a part of Incendio'14. All the enthusiastic spell bees, debaters, brand freaks and the budding witty heads were beckoned to test their mettle at the fun filled extravaganza of INCENDIO which comprised of four sub-events named- Brand Bugger, Bluffmaster, Wordsmith and Voice Your Views.

Farewell Functions

The farewell functions for the students of B. Tech and M.Tech students for various branches of IT-NU were organized in the months of April and May, 2014. IDS-NU organized the farewell function for the outgoing batch on May 10, 2014.



Farewell of B. Tech students, IT-NU



Farewell of M. Tech students, IT-NU

Workshop on Self-defense'

Prof. Pratima Singh of IT-NU organized a workshop on 'Self-defense' for the girl students of M. Tech Sem II and IV on April 19, 2014.



Faculty members and students at the farewell function of the outgoing students of IDS-NU

Obituary

The noted industrialist and educationist Shri Shrenikbhai K. Lalbhai passed away on 19th June 2014 at the age of 88 years. He was a member of the Board of Trustees of Nirma Education and Research Foundation (NERF) since its foundation. He was also a member of the Board of Governors of Nirma University during 25th August 2003 to 23rd August 2012.

He epitomised Gandhian values and served the society throughout his life. He made significant contributions in business, education, religion, art and museums. As a chairman of Ahmedabad Education Society he strengthened the education system and nurtured the new and upcoming educational institutions. During his regime and under his dynamic leadership many notable educational institutions were founded and his contribution particularly in the establishment of Ahmedabad University is noteworthy and remarkable.



As a founder trustee of NERF and as a member of BOG of Nirma University his contribution in inception, development and growth of the University has been exemplary. His vision, sharp intellect and ability to focus on finer details has considerably contributed in the progress of Nirma University. He has also immensely contributed in the policy decision making process of the University which has been instrumental in attainment of the vision and mission of the University.

With his demise an era has come to an end but his persona, views, contributions and philanthropy would be remembered and cherished by all the members Nirma University.

Forthcoming Events

S.No.	Name of the Event	Date of the Event	Institute
1.	Seminar on 'Questioning the Legal Reality'	September 6-7, 2014	IL-NU
2.	National Conference on 'Strengthening Climate Justice Initiatives: Livelihood Challenges at Local Level with a Focus on Farmers'	November 8-9, 2014	IL-NU

For details regarding the forthcoming programmes by CCE, visit www.nirmauni.ac.in/cce

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

