



NIRMA
UNIVERSITY

Nirma University

Newsletter

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News at a Glance

Institute of Technology(IT-NU) has been ranked 18th in Top 110 engineering colleges across the country and ranked 1st in Top Engineering Colleges of Excellence category by Competition Success Review-GHRDC Engineering College Survey in August 2011

IM-NU has been ranked as the top 19th Best B-School in the country by the survey conducted by GHRDC and published in the Competition Success Review, December-2011 issue.

IM-NU was honored with the 19th Dewang Mehta Business School Award "Business School that encourages Leadership as a part of the curriculum". The award was announced in an award function held on November 26, 2011 at Mumbai.

IT-NU signed an MoU with Gujarat Industrial Development Corporation (GIDC), a Govt. of Gujarat undertaking, for technical collaboration.



Shri G R Nair, Dy Registrar(IM-NU)
receiving the award



Prof. Purvi Pokhariyal, Shri Soli Sorabjee, Shri Gopal Subramaniam, Padma Shri Dr. Karsanbhai Patel, Dr. N. V. Vasani and Ms Parna Mukherjee during the unveiling of the first issue of Nirma University Law Journal.



Prof. V. R. Iyer, Principal, IDS-NU addressing the audience at the launch of the e-newsletter on November 22, 2011.

Director General's Message

I welcome, with a warm heart, the first issue of this newsletter in this new calendar year. While we are grateful for all the blessings of the by-gone year, I also appreciate the sincere efforts put in by the previous editor, Dr. Monica Rao who enhanced the status of this newsletter to its present level. As we welcome the New Year 2012, I also welcome the new editor, Mr. Vincent Vaz and wish him all the very best. A Counsellor by profession, in him we look forward to a new flavour to this newsletter.



The New Year also invites us to new challenges. Doomsday soothsayers have predicted the world to end in this year. But the world at large is waiting for another new beginning. Engineering has led the way by moving from core areas of activity to inter-disciplinary and now to the multi-disciplinary mode. The next threshold has also been crossed, where engineers are working with professionals of other fields of science. The awaiting paradigm shift is where experts in Arts, Science and Commerce work in unison even at the academic stage itself. This would lead to every individual playing his/her role as a world citizen and contribute, not with an obligation or with a grudge, but with a shared responsibility of binding all inhabitants of the earth into one big family for mutual survival, prosperity and peace.

We look forward to this forthcoming 'Big Bang'.

Wish all the readers a Happy New Year and a Happy New Beginning.

Dr. N. V. Vasani

Editorial

Dear readers,

It is a privilege to be addressing a wise, discerning and intelligent readership of our quarterly newsletter for the first time. I have inherited this rich legacy from Dr Monica Rao who has painstakingly maintained the highest standards of quality and coverage of this newsletter so far. Needless to say that her continued support and the expert guidance of the chairman, Prof V R Iyer will help us to take this newsletter to yet a higher level.

I happen to take charge in the backdrop of the 12th convocation which was graced by the Chairman and Managing Director of Bank of Baroda, Mr M. D. Mallya as the chief guest. In his address to the fresh graduates of different disciplines of Nirma University, he mentioned the need for a paradigm shift in the definition, scope and formation of leadership in the emerging Indian context.

At a time when the strong arm of protest is raising its voice against corruption the world over and echoes of the same are heard on the Indian scene, we at Nirma University prepare our foot-soldiers and send them out with degrees for a clean and efficient governance wherever they go.

We shall highly appreciate your views on this issue.

Wish you a happy and prosperous 2012.

Vincent Vaz



Mr Barot Kuldipsinh, IP-NU received INSPIRE fellowship of Rs 7,77, 600 from Department of Science and Technology, New Delhi for a period of three years for his research on "Liquid phase combinatorial synthesis of Napthalino benzimidazole / Quinolino benzimidazole for antitubercular agents".



Mitsu Parikh, a 5th year student of IL-NU participated in the ILSA International Law Student Association 2011, International Conference held on August 4, 2011 in Utrecht, Netherlands, in conjunction with five partner law schools of the Transnational law program - Washington University in St. Louis (USA), Utrecht University (Netherlands), University of Trento (Italy), Catholic University (Portugal) and Queens University (Belfast, UK) and secured an award for the "Best Research Paper" on "International liability Corporations in light of the Indian Judiciary."



Dignitaries on Campus



Shri Nimish Patel of M/s PANIKA, Ahmedabad making a presentation on "Hamara Wala Green" IT-NU



Dr Harish Padh, Vice Chancellor of Sardar Patel University visited IP-NU on December 13, 2011.



Mr. Pratul Shroff, founder and CEO, e-Infochips Pvt Ltd. addressing the gathering at the Orientation Programme for the newly admitted students of IDS-NU



Dr J. M. Vyas, Director, Directorate of Forensic Science Laboratory, Gandhinagar, visited IP-NU on December 11, 2011



Dr. Manju Sharma, Former Secretary, Department of Biotechnology (DBT), New Delhi and currently, Executive Director, Indian Institute of Advanced Research, Gandhinagar with Dr Dalai, I/c Director (IS-NU) at the valedictory function of a seminar on Emerging Trends in Microbial Interactions, and Challenges in Human Health, October 11-12, 2011.



Renowned Legal Personalities Shri Soli Sorabjee and Shri Gopal Subramaniam with Dr N. V. Vasani at a Public Lecture at IL-NU



Shri D R Kaarthikeyan, advisor Law-Human Responsibilities-Corporate Affair and former Director of Central Bureau of Investigation and Shri Arun Jagatramka - CMD, Gujarat NRE Coke Ltd. visited IT-NU as the Chief Guest and Guest of Honour respectively at the inaugural function of I-FEST 2011, a three day national level technical festival organized by the Students of ISTE Students' chapter at IT-NU.

Expert Lectures

Shri Gopal Subramaniam, former Solicitor General of India and Chairman of Bar Council of India delivered a lecture on the topic "Indian Constitution: Recent Developments and Challenges Ahead" on July 23, 2011. This was the 4th lecture under the Annual Public lecture series of IL-NU.

Prof. B.C. Nirmala, renowned Professor of Law from Banaras Hindu University, Banaras had an interactive session with the faculty members of IL-NU on December 7, 2011.

Ms. Swati Shome, who has wide experience in HR, Training, Research and Academics in USA and India, delivered a lecture on "Leadership" for the course "Principles and Practices of Management" at IL-NU on August 23, 2011.



Dr Moray Newlands, Professor, Dundee University UK, delivering a lecturer at Civil Engg Department, IT-NU.



Prof R G Limaye, Consultant and Retired Professor, IIT Bombay, delivering a lecture at Civil Engg Department, IT-NU.



Prof. K. Gopakumar, Chairman, Centre for Electronic Design and Technology (CEDT), Indian Institute of Science (IISc), Bangalore delivering an expert lecture on "Research Avenue in Power Electronics" at Electrical Engineering Department, IT-NU on September 30, 2011

Other Expert Lectures delivered at IT-NU were:

1. Mr Utkarsh Doctor, Advocate, spoke on Mooting Skills on July 22, 2011.
2. Mr Mukesh Patel, Renowned Tax Practitioner & Consultant, spoke on "Direct Tax Code: Overview and budgetary analysis" on October 10, 2011.
3. Mr. P. K. Singh Advisor, Competition Commission of India and Mr. Rajinder Kumar, Deputy Director, Competition Commission of India, spoke on Anti-Competitive Agreements: Experiences of the CCI on October 3, 2011.
4. Dr. Anurag Agarawal, Professor, IIM, Ahmedabad, spoke on 'International Commercial Arbitration' on November 8, 2011.
5. Dr. Stephan Hobe, Managing Director, IILCC, University of Cologne, spoke on 'Air and Space Law' and 'European Law' on November 18, 2011.
6. Mr. Philip Jeyartnam, spoke on 'International Commercial Arbitration' on November 25, 2011.
7. Mr. Charles Marquand Barrister, Lincoln's Inn, London, spoke on, 'International Commercial Arbitration' on November 25, 2011.

8. Prof (Dr.) Vidyut Joshi, Former Vice-Chancellor Bhavnagar University, spoke on, Sociology of Law on October 14, 2011.

The series of Expert Lectures delivered at IS-NU were:

1. Prof. T. K. Rajendra, Scientist, Program in Molecular Biology and Biotechnology, Department of Biology, University of North Carolina, USA on "Nuclear Organization: Deterministic Order from chaotic cellular interior in gene expression and macromolecular assembly", July 27, 2011.
2. Dr. U. Radhakrishna, Senior scientist, Nebraska Medical Center, University of Nebraska, Omaha, USA on "Genetics of Cleft lip and palate", July 31, 2011.
3. Dr. Pranav Kharod, Neurophysician of Ahmedabad on "Neurotransmitters" on September 10, 2011.
4. Prof. L. S. Shashidhara, IISER, Pune on "Science & Technology in 21st century India: New Initiatives and Career Prospects", October 11-12, 2011.
5. Prof. A. K. Saxena, Head, Department of Microbiology, IARI, New Delhi on "Prospecting extreme environments



- for microbial diversity and genes for abiotic stress tolerance”, October 11-12, 2011.
6. Dr. K. K. Pal, DGR, Junagadh. He addressed the need for “Exploring Archaeobacteria and The Enduring Excitement”, October 11-12, 2011.
 7. Dr. Abhijit De, ACTREC, Navi Mumbai on “Molecular imaging applications in experimental cancer model – contributions to human health”, October 11-12, 2011.
 8. Dr. Ashima Bhardwaj, Indian Institute of Advanced Research, Gandhinagar on “Never underestimate bacteria – our experience with vibrios”, October 11-12, 2011.
 9. Prof. Santosh Kar, Department of Biotechnology, KIIT, Bhubaneswar on “Control of Malaria and the available options and future scope in the field of malarial research”, October 11-12, 2011.
 10. Prof. Shobhona Sharma, TIFR, Mumbai on “Arrest of nuclear division in Plasmodium through blockage of erythrocyte surface exposed ribosomal protein”, October 11-12, 2011.
 11. Dr. Agam Singh, NII, New Delhi on “Liver stage parasite biology and Drug discovery”, October 11-12, 2011.
 12. Dr. Puran Singh Sijwali, CCMB, Hyderabad on “The P. falciparum DJ-1/Pfpl superfamily protein PfDJ1 acts as a chaperone, an atypical peroxiredoxin, and as a protease, and protects from oxidative stress”, October 11-12, 2011.
 13. Dr. Mrinal Bhattacharyya, University of Hyderabad on “After the break: How do apicomplexan parasites repair their DNA?”, October 11-12, 2011.
 14. Dr. Suman Dhar, JNU, New Delhi talked on “Plasmodium falciparum origin recognition complex (ORC): A master regulator of parasite DNA replication & virulence gene expression”, October 11-12, 2011.
 15. Dr. Deepak Gaur, ICGEB, New Delhi talked on “Developing a novel receptor blocking blood stage malaria vaccines”, October 11-12, 2011.
 - and Practice in the US”, September 15 and 16, 2011 respectively.
 2. Dr S H Ansari, Dean, Jamia Hamdard Univeristy, New Delhi, “Recent trends in Standardization of Herbal Drugs”, July 23, 2011.
 3. Ms Sonia Shah, Uni of Cambridge, ESOL, Ahmedabad, “Skills for work” August 11, 2011.
 4. Dr. Eric D. Kupferberg, Senior Assistant Dean, College of Professional Studies; North-eastern University, Boston, USA, on ‘Global Clinical Trials, incearsing CRO market, regulatory oversight’, November 10, 2011.
 5. Dr. Stephen Amato, Professor and academic Specialist, Regulatory Affairs, North-eastern University, Boston, USA, ‘Pre-commercialization of drugs and Biologics from concept to Commercialization’, November 11, 2011.
 6. Dr Richard Montgomery, Assistant Director, BSPS program, University of Toledo, USA, September 26, 2011
 7. Dr R Rajendran, CEO, Green Chem Ltd. Bangalore, Integration of ayurveda with Modern medicine’, August 18, 2011.
 8. Dr M N Saraf, Principal, Bombay College of Pharmacy, Mumbai, 'PK-PD modeling in drug development and evaluation', September 10, 2011.

The other experts who delivered lectures at IM-NU were:

1. Mr. Uttam Sahay, Asst. Vice President, Idea Cellular Ltd., Gujarat Circle addressed the thirteenth batch of Executive Diploma Programmes (EDP 2011-12) on July 31, 2011 on the occasion of the batch’s inaugural function.
2. Prof. Saurabh Gupta, an Alumni and is presently an Associate Professor in Management Information Systems Area at Coggin College of Business, University of North Florida, delivered a lecture on the topic “Management Education in USA”.
3. Mr Laval Bhatt, CEO-Trinity Vista and Sr. Partner-TCSI Worldwide delivered a lecture on "Process Analysis: A Way Forward" during the Institute Seminar Series on December 8, 2011.

The Expert Lectures delivered at IP-NU were:

1. Dr. Micheal Wincor, Associate Dean and Professor, University of Southern California, USA on the topic, “Patient Counseling” and “Clinical Pharmacy Education

12th Convocation

The Twelfth Convocation of Nirma University was held on Thursday November 10, 2011. During this glittering ceremony, 1554 students of various disciplines received their degrees. To ensure their success in life were the words of wisdom of Shri M. D. Mallya, the Chairman and Managing Director of Bank of Baroda, who was the Chief Guest. In his address to the fresh graduates, he invited them to make a paradigm shift in leadership by responding to the emerging demands of the global scenario. He reiterated that **LEADERSHIP** is the collective quality needed to nurture **Love for people**, **Energy and exuberance** to accomplish goals, be **Action oriented**, possessing a natural flair for **Developing people around you**, be **Empathetic** in dealing with people issues, be a **Role model** with impeccable integrity and honesty, develop skills of **Self awareness**, should be able to spread **Happiness** around the work place, should be able to **Inspire** people and, finally, a leader has to be **Passionate** to perform.



The Director General Dr. N. V. Vasani, in his address on the occasion, acquainted the august gathering with the achievements of the faculty as well as students.

Events

NUiCONE 2011, December 08-10, 2011

IT-NU organized the Nirma University International Conference on Engineering NUiCONE 2011 from December 8–10, 2011.



Inaugural Function: On the Dias (from left): Dr Jayesh Ruparelia (Confernce Chair), Dr K Kotecha (Director, Institute of Technology), Dr. N. V. Vasani (Director General, Nirma University), Dr Sourav Pal (Director, NCL-Pune as the Chief Guest), Shri Ambubhai Patel (Vice President Nirma University), Dr Deepak Ghodgaonkar (Chairman, IEEE-Gujarat Section & Confernce Co-chair) and Prof Usha Mehta (Confernce Co-chair).

It was a multidisciplinary event encompassing themes related to various disciplines of Engineering & Technology and saw the participation of over 700 delegates and participants from Academia, Research and Industry pan India. Experts from countries such as USA, UK, Germany, Iraq and others also attended the conference at Nirma University campus.

This three day event saw the information dissemination from leading experts from institutions such as School of Construction and the Environment British Columbia Institute of Technology Canada; Northumbria University, UK; University of Bath, UK; Middle Tennessee State University USA and Linde group respectively.

STTP/Conferences/ Training Programme / Workshops organised at IT-NU

Chemical Engineering Department, organized a One day Workshop on "Importance of Analytical Instruments" for the students of Chemical and Plastic Engg., Institute of Diploma Studies in October 2011.

Mechanical Engineering Department, organised Solid Modeling Software Training in November 2011.

Mechanical Engineering Department, organised Training Program on "Finite Element Analysis using ANSYS Software" in October 2011.

Mechanical Engineering Department, organised a Workshop on "Fundamentals of Bearing Technology" in October 2011.

Mechanical Engineering Department, organised an ISTE Workshop on “Heat Transfer” in December 2011 in Collaboration with IIT Bombay, Mumbai.

Instrumentation and Control Engineering Department, organised a Workshop on “Soft Computing Techniques” in December 2011.

Computer Science and Engineering Department, organized a Workshop on “Software Development Techniques for Engineering and Science Institutes (5 Week Ends)” in November 2011, Funded by MHRD in Association with ISTE.

Spoken tutorial - SciLab

IT-NU has conducted several batches of spoken tutorial for faculty of various departments on Free Open Source Softwares in collaboration with Indian Institute of Technology, Mumbai during November- December 2011. The Spoken Tutorial project is the initiative of the "Talk to a Teacher" project of the National Mission on Education through ICT, launched by MHRD, Govt of India.

ISTE approved SHORT TERM TRAINING PROGRAMMES at IT-NU (December 26 – 31, 2011)

Sr. No.	STTP Planned	Department
1	Simulation of Wired and Wireless Network	Computer Science and Engineering
2	System Framework and Application using .NET Technologies	Computer Science and Engineering
3	Research Trends in Multimedia Communication & Soft Computing	Computer Science and Engineering
4	Diagnosis, Repair & Protection of Concrete Structures	Civil Engineering
5	Geotechnical Aspects of Earthquake Engineering for Infrastructure Development	Civil Engineering
6	Condition Monitoring of Electrical Apparatus – Trends and Techniques	Electrical Engineering
7	MIMO Wireless Communication Systems	Electronics and communication Section, Dept of Electrical Engineering
8	Recent Trend in Antenna Design	Electronics and communication Section, Dept of Electrical Engineering
9	Embedded System Design	Instrumentation and Control Engineering

IT-NU organized a series of Training Programs for the students and faculty members of the Institute by trainers from IBM. From December 26 to 29, 2011, training was given on the Rational Application Developer (RAD). A refresher course on DB2 was held for the faculty members and students who had attended the training program in June 2011. This refresher course was held on December 30-31, 2011.

A 10 hour workshop titled 'Spok- ENrichment' was organized by the General Department, IDS-NU from July 25-27, 2011 with a view to groom the Speaking and Presentation Skills of faculty members.



Participants of the workshop on “Getting started with LaTeX” for faculty organised by NIDS ISTE Faculty Chapter on September 19,, 2011



Prof. Jayesh Patel interacting with the participants of the workshop on “How to Set Question Paper” organised by NIDS ISTE Faculty Chapter on September 12, 2011.

A training session was organized at IL-NU on October 20, 2011 for setting Quality Question Papers and Assessment of Answers Scripts.

The Plastic Department of IDS-NU organized a workshop for students of other Engineering institutes on 'Testing of Plastic Materials' on November 14, 2011.

IS-NU organized a two day seminar on Emerging Trends in Microbial Interactions, and Challenges in Human Health on October 11 & 12, 2011. Dr. J. B. Misra, Director, Directorate Groundnut Research, Junagadh, and Indian Council of Agriculture Research, New Delhi centre was the Chief Guest for the Inaugural function and Dr. Manju Sharma, Former Secretary, Department of Biotechnology (DBT), New Delhi and currently, Executive Director, Indian Institute of Advanced Research, Gandhinagar was the Chief Guest for the Valedictory Function.



Dr. J. B. Mishra, Director, DRG seen with Shri Ambubhai Patel, VP and other dignitaries.

Indo - American Pharmaceutical Regulatory Symposium

IP-NU, Ahmedabad and North Eastern University, Boston, USA jointly organized three days Indo American Pharmaceutical Regulatory Symposium 2011 on November 11-13, 2011. It was inaugurated by Dr. J. M. Vyas, Director, Directorate of Forensic Science Laboratory, Gandhinagar



Various lecture sessions were delivered by eminent personalities from academics as well as from industries. Three speakers from Northeastern University - Dr. Eric D. Kupferberg, Senior Assistant Dean, College of Professional Studies; Dr. Stephen Amato, Professor and academic Specialist, Regulatory Affairs and Mr. Purushotham Reddy Gaddam, Research Coordinator & Adjunct Faculty Regulatory Affairs delivered scientific talk. Seven eminent speakers - Dr. Jyoti Paliwal from NIPER, S.A.S. Nagar (Mohali); Dr. B. Gopalan from Orchid Chemicals & Pharmaceuticals Ltd, Chennai; Dr. Harish Padh, Vice Chancellor, Sardar Patel University, Vallabh Vidyanagar, Gujarat, India; Dr. Vinay Shedbalkar from Pharma Edge Centre (I) Pvt. Ltd Mumbai; Dr. S. S. Savale from Torrent Pharmaceuticals Limited (TPL), Ahmedabad and Dr. Vipin Dhal from Piramal Healthcare Ltd., Ahmedabad delivered lectures.



Honorable Justice Mr. Ravi Tripathi, Hon'ble Justice Mr. R. M. Chayya, Senior Advocate Shri Mayur Pandya, Mr. Ajay Umat, Senior Editor, Times of India, Advocate Mr. Asim Pandya, Mr. Pradeep Mallik, media representative participated in Panel Discussion cum Expert Discourse on the topic – "Freedom of Speech & Expression Vis-à-vis Media Trial & Contempt of Court Proceedings" organized by Indian Law Institute, Gujarat Chapter and IL-NU on October 8, 2011



Shri. R. Rajendran, CEO, Green Chem Ltd. and Dr. Lal Higorani, CMD, Phamanza Herbals Pvt. Ltd. as Chief Guest and Guest of Honour at the two day AICTE sponsored National seminar on "Natural Products: Scope and Status by 2020" organized by Department of Pharmacognosy, IP-NU on August 19-20, 2011

IP-NU organized an inter-institute seminar on “New Horizons in Chemical and Pharmaceutical Research Technologies” for the students of IT-NU and IP-NU on August 6, 2011 at IP-NU.



IM-NU in association with Department of Science & Technology (DST) - Govt. of Gujarat, Gujarat Informatics Ltd (GIL), Special Interest Group on eGovernance - Computer Society of India (CSI) and IIT-Delhi had organised the 8th International Conference on e-Governance (ICEG) on 17-18 October, 2011 at IM-NU.

The third knowledge sharing summit of IT secretaries of India also took place along with ICEG. It was inaugurated by Hon'ble CM - Govt. of Gujarat, Shri Narendrabhai Modi. Theme of Conference was 'Government Transformation - Agenda for eGov 2.0'. More than 20 senior secretaries from Govt. of India as well as various States of India participated in the Summit. ICEG-KSS was also graced by the Who's Who from leading IT companies like Microsoft, Oracle, CISCO, CA, HP, Wipro, TCS, Adobe, Intel, SIS, DEV, ILFS, CORE etc. In total, 100 papers were received, out of which 60 were presented in 12 technical sessions. Selected 55 papers were published by Excel Publishers, New Delhi in two books titled “E-Governance: Policies and Practices” and “E-Governance: Techno-Behavioural Implications”.



The first Annual Seminar on Quality Management was jointly organized by the American Society for Quality [ASQ], Local Member Community [LMC]- Ahmedabad and IM-NU on November 23, 2011



Symposium on National Energy Security

Nirma University in association with Gujarat Energy Transmission Corporation Limited, Gujarat Power Corporation Ltd, Nuclear Power Corporation of India Ltd and Gujarat Industries Power Company Ltd organized a “Symposium on National Energy Security” on November 25, 2011 at IM-NU. The Symposium was inaugurated by Shri L. Mansingh, Former Chairperson, Petroleum & Natural Gas Regulatory Board. The first plenary session of the Symposium was on the theme of Oil & Gas. The other speakers who addressed in the Plenary were Shri P. Dasgupta, Former MD & CEO, Petronet LNG; Shri B.S. Negi, Member, Petroleum & Natural Gas Regulatory Board; Dr. R. M. Kale, Director General, ONGC Academy; Shri Ravindra Agarwal, General Manager – Commercial, GSPL. The second plenary session was on the power sector. The speakers of the session were Shri S. Thakur, Executive Director, NPCL; Dr. Omkar Jani, Research Scientist, GERMI; Shri Sanjeev Gupta, CEO, Nexgen Financial Services and Prof. Sebastian Morris, Professor, IIM Ahmedabad. Shri D. J. Pandian, Principal Secretary, Energy & Petrochemicals Department, Government of Gujarat, delivered the valedictory address.



IM-NU organized Prayaag - a Management Conclave on September 01-02, 2011 with the theme: “Corporate Governance: Transparency to Transformation”. This conclave was an attempt to bridge the gap between theory and practice in corporate governance by engaging academicians and business professionals for sharing of their experiences and ideas.



IM-NU organized Pravartan 2011, the HR Conclave on October 7-8, 2011 with the theme: "Transforming Organizations through Human Capital". The conclave was inaugurated by Mr. Jim Rose (Former Head-HR, Johnson & Johnson) who addressed the students on the topic "valuing cultural diversity" in the organization.

IM-NU organized Entrepreneurship Conclave, 2011 Pragaman on August 25-26, 2011 with the theme "Fostering and Nurturing Entrepreneurship". The conclave attempted to address the issues of incubation, mentoring, role of venture capitalists, angel investors, financial supporting agencies and

other elements in promoting entrepreneurship. It was inaugurated by Mr. Mahendra Patel, President GCCI.

IM-NU conducted a half day workshop on "Technique of Mind Mapping", on Sunday the October 9, 2011. The resource person was Prof Amar Gargesh, Consultant, Ahmedabad.

The a two day workshop on Psychometric Testing organized at IM-NU by OB & HR area for MBA (FT II) students on August 17, 2011 and August 21, 2011.

The workshop on global business at IM-NU organized by Prof. Deepak Srivastava for students of all institutes of Nirma University on August 28, 2011. The workshop emphasized on Global Business Environment, internationalization process and Strategy of international business.

IM-NU organized a half day workshop on 'Advanced Microsoft Excel' for the MBA [FT] 1st year students. Mr Anshuman Gautam, Bigtime Solutions, Mumbai was the resource person on December 7- 9, 2011.

IM-NU organized a workshop on "Capstone Business Simulation Programme" for the second year MBA [FT] students.

ORIENTATION PROGRAMMES



Prof. N R Dave, Former Director, Technical Education and Advisor, Pandit Deendayal Petroleum University, Gandhinagar, (July 25-26, 2011) addressing the M Tech First Year Students of IT-NU at their Orientation Programme Inauguration



Swami Shri Adhyatmanandji, addressing the students of IT-NU at the Orientation Programme for B Tech First Year, July 22, 2011



Orientation programme for the new entrants of B. Pharm at IP-NU from August 23-25, 2011. The chief guest of the inaugural function was Dr.Vijay Chauthaiwala, Vice President, Discovery Research, Torrent Research Centre, Bhat



Orientation programme for the new entrants of M. Pharm at IP-NU from September 8-10, 2011. Dr. C. J. Shishoo, Hon. Director, PERD Centre delivered the Key note address.

In Focus

Academia-Industry Collaboration: Fact or Fiction?

Sarat K. Dalai, Ph.D., Professor (Biotechnology) I/c. Director, Institute of Science, Nirma University

Collaboration between academia and industry has always been a topic of discussion among the scientific communities of both sides. Still there is no model being adopted widely. With the availability of >1000 genome sequences for human the very fabric of biological research is changing. Public access to enormous amounts of sequencing data has provided opportunity to scientists to pursue research projects from highly focused single-gene-targeted studies to broader and global genome and proteome-wide approaches. While the single-gene-targeted approaches are well within the standard purview of traditional research laboratories, global approaches require complex collaborative environment involving multidisciplinary teams from academia, government, and industry. Such mega scientific efforts best exemplified by the Human Genome Project also demands open access to data regardless of the source of the primary data and commitment to provide complete resources feasible. It is long accepted that committed academia–industry collaborative relationships provide optimal solutions to the specific problems of discovery science. Still academia–industry collaboration world-wide is quite limited. In India it is almost non-existent. This shows the difficulty of the problem. In this article, we will focus on how such collaboration is possible, particularly in the Indian scenario and the role of Nirma University (NU) for achieving the same. For the sake of convenience this article will focus on biological science.

Higher education system in India is one of the largest and most complex in the world. There is a distinct social



preference for higher education and professional education that is largely driven by the opportunities in the job market. While public is willing to pay for education, there is a considerable gap between the quality of students graduating and the kind of talent that industry needs. In order to become competitive and maintain their position in global market it is imperative for Indian industries to prepare and plan for a skilled, competent, and innovative work force that largely targets youth. Thus, the current state of affairs presents a compelling case for public-private partnership through academia–industry alliances.

At present we are faced with many challenging problems in healthcare. Many infectious and communicable diseases like Malaria, tuberculosis, HIV, and dengue are contributing to high death tolls. Increased incidence of diabetes and hyper-tension further complicate the health status of

Indian population. In no time we are going to be the country on earth to have highest number of diabetic individuals. These challenging problems cannot be addressed by either party individually. Our efforts to develop vaccine against malaria since last six decades and the same for HIV since last three decades have not been very successful. Tuberculosis is mind-bugling to most of the nations including India where every third person is at the risk of infection. Cancer continues to haunt us. It is critical to have new thinking and planning to develop prevention and cure for many illnesses including the above. Concerted efforts by academia and industry necessitate tackling these challenges.

For the benefit of industry as well as for the excellence in academic research we must devise the plan. Before that we must build the confidence in each other. Industries in India hardly feel academia can deliver the quality goods. Academia feels industries are too narrow in their focus and hardly give freedom for innovation. Academia tends to be suspicious of the market-oriented approach of industry, which is viewed by many scientists as non-conducive to the hypothesis driven science and its search for “truth”. Industry, on the other hand, driven and shaped by the accelerating growth of technological innovation generally tends to be impatient with the more deliberate pace and the perceived bureaucratic hurdles associated with implementing academic discoveries. How should we take a balanced approach to address these issues?

Let’s identify each other’s need. The nature of interaction that usually exists between industry and academia is that of producer-consumer. Such relationship encourages collaboration to ensure the quality of product that satisfies the need of larger mass of consumers. Although it is a healthy practice by industry to get into such collaboration, the role of academia in this effort is very limited. This kind of collaboration viewed by academia is a kind of outsourcing by the industry. The technology schools including biotechnology programme of the university like to get into this kind of efforts as it may provide the opportunity to develop new technology. However, the opportunity to improve the quality of product through new technology might not bring in true-innovation in the eyes of academia despite the new planning and thoughts involved in the process. This could be an extension or modification of the technology utilized for the existing product. Academia always looks for new knowledge; Industry trends, largely, to use that knowledge without investing for it. Academia runs with its own pace because its main role is to teach and train students that will contribute to the workforce. However, it does not necessarily have to develop innovative technology to train the students, rather prefers to teach existing

technology. Because of limited resources it becomes hard on academia to invest heavily on developing new technology, although it happens once a while for reasons that cannot be generalized.

Academia is knowledge centre. Any efforts to generate new information that helps understand the scientific phenomenon makes an academician interested in collaboration. From the point of view of industry such efforts might not look very attractive in short-term, but they will benefit in long-term. From the little interactions I have with biotech industries in India I strongly feel they are looking for right partner who can help them get into the area of new-Biologics. So far most of them are trying to make Biologics that are already available and trying to scale-up the production so that they can sell the products to the market in a cost-effective manner. For that they do not really need direct help from academia except the trained man-power (trained students) that can be trained further to boost their production and quality control. The traditional approach by industry to make and sell existing products is financially sound approach in short-term, but this will not help them to have competitive advantage in global market. With many challenging diseases affecting human health the requirement for diagnosis, prevention and cure is getting complex and very demanding. Therefore, working on new biologics is in priority for many bio-pharmaceutical industries. Here, the contribution of academia will be tremendous and such collaboration will be a good incentive for academia to join the efforts in finding new knowledge.

NU being a modern university understands such problem and is trying to come up with solution. Several MoUs have been signed to foster collaboration between industry and NU institutes. Similar efforts have been made between national laboratories and institutes. It has helped us to improve our course curriculum, but it has marginally helped the improvement of scientific training of our students. We need to engage the scientists from both sides in academic discourse in objective manner. In this effort we will also have to engage the research institutes whose main focus is research, not conventional teaching. Basic science with the blend of applied research must be pursued with vigor in a structured manner. Resources from all three partners must be utilized to achieve the target. We must eye on future without being too worried about the present. I strongly believe Nirma University can develop, try and champion the model of academia-industry collaboration that will benefit all.

Industry Interface

Testing work

Department	Name of Institute	Title of Testing work	Name and place of Organization
Pharmaceutical analysis and Pharmaceutics	IP-NU	Measurement of viscosity and Estimation of benzyl alcohol in Diclofenac injection	Troikaa Pharmaceuticals, Ahmedabad
Pharmaceutical Chemistry	IP-NU	IR spectral Analysis of few pharmaceutical compounds	Ohm Industries, Ahmedabad
Mechanical Engineering	IT-NU	Testing of thermal conductivity of FRP samples.	Sintex Industries Ltd., Kalol

Consultancy

Dept and Institute	Name of Faculty Member(s)	Title of Consultancy Work	Name and place of Organization
Electrical Engineering – IT-NU	Dr. P. N. Tekwani	70 kV Isolation testing of DC power supply module	Veeral controls pvt. Ltd., Gandhinagar
Chemical Engineering – IT-NU	Dr. S. S. Patel Dr A P Vyas	Property determination of waste lube oil and diesel samples.	JMC Projects Limited, Ahmedabad. (Unit of Adani Limited.)
Civil Engineering – IT-NU	Dr. Sandip S. Trivedi	Geotechnical Investigations at Ambaji and Viramgam	Gayatri Infrastructures, Motera, Ahmedabad
IMNU	Prof. Nityesh Bhatt	Communication Requirements for Rural India	ISRO, Ahmedabad
Plastics Engineering – IDS-NU	Prof. Mamta Saiyed and Prof. G. K. Lalchandani	Development of testing equipment – leak detector tester of GRP pipes.	M/s. Deesha Impex

Continuing Education Programme

Sr. No	Name of the Programme	Date	Programme Leader
Management Development Programmes (Open) – 2011-12			
1.	Creating Customer Value for Competitive Advantage	September 9-10, 2011	Prof. Rajnish Jain Prof. Jayesh Aagja
2.	Managerial Skills for Supervisory Personnel	October 14-15, 2011	Prof. Sameer Pingle
Management Development Programmes (In -House) - 2011-12			
1.	Managerial Effectiveness for Torrent Pharmaceuticals Ltd.	September 12-17, 2011	Prof. Nityesh Bhatt
2.	Finance for Non-finance Executives	September 26-27, 2011	Prof. Deepak Danak
3.	Management Development and Professional Skills Enhancement For Torrent Pharmaceuticals Ltd.	October 10-12, 2011	Prof. Nityesh Bhatt
Faculty Development Programme - 2011-12			
1.	Marketing Research	September 12-13, 2011	Prof. Ashwini Awasthi Prof. A.C. Brahmbhatt
In-house Faculty Development Programme - 2011-12			
1.	Marketing Research	December 6, 2011	Prof. Jayesh Aagja

Staff Corner

Faculty Achievements

- **Dr R K Mewada**, of Chemical Engineering Department, IT-NU filed an International Patent (Publication Number : WO 2010/150278, Application Number : PCT/IN2010/000406, in December 2011.
- **Dr. S S. Patel**, of Chemical Engineering Department of IT-NU received the Best Research Paper published by UG Student in International Journal IChE, in December 2011.
- **Prof. Shashikant J Joshi**, of Mechanical Engineering Department of IT-NU chaired session at IEEE Colloquium on Humanities, Engineering Science and Research, in December 2011.
- **Dr. P. N. Tekwani**, Section Head, EE Dept., IT-NU who guided Mr. Saurabh Purkaayastha (09MEE014) of IT-NU in his thesis entitled "Design and Development of Single-Phase Continuous Conduction Mode Front-End Boost Converter with Variable Duty-Cycle Control to Achieve High Input Power Factor" was awarded the first prize, as guide, for the ISTE – L&T National Award for Best M.Tech. Thesis in Electrical & Electronics Engineering – 2011." during the Inaugural Function of the 41st Annual Convention of ISTE on December 16, 2011 at Baba Banda Singh Bahadur Engineering College, Fatehgarh Sahib, Punjab.
- **Dr. R.N. Patel** of IT-NU has received the ISTE-GSFC National Award 2011 guiding for Best M.Tech Thesis in Mechanical Engineering
- **Prof. C Gopalkrishnan** was honoured the Award for Best Teacher in Entrepreneurship & Strategy at the 19th Dewang Mehta Business School Award function held on November 26, 2011 at Mumbai.
- **Mr. Jigar Shah**, IP-NU has received International Travel Grant of Rs.1,20,000/- from Department of Science & Technology (DST), Government of India, for attending and presenting a research paper entitled "Formulation and evaluation of microemulsion based gel of levofloxacin for eye infections" at 2011 AAPS Annual Meeting & Exposition, held on October 23-27, 2011, Washington DC, USA. He has also been awarded the degree of MBA (Operations Management), first class division from IGNOU, New Delhi



Ph. D. Awarded



Prof. A. P. Vyas of Chemical Engg Department of IT-NU, was awarded Ph.D. in July 2011 from Nirma University, Ahmedabad. His topic was "Studies on Biodiesel Production", 1



Prof. D. R. Mandavia of IDS-NU being conferred the ISTE Best Polytechnic Teacher Award in Gujarat State 2011 during the 41st ISTE Annual Convention held at Baba Banda Singh Bahadur Engineering College, Fatehgarh Sahib, Punjab from December 16-18, 2011.

- **Dr. Bhoomika M. Patel**, IP-NU received 2nd Prize for best poster presentation for the paper entitled "Comparative evaluation of spironolactone, atenolol, metoprolol, ramipril and perindopril on diabetes -induced cardiovascular complications in experimental model of Type-2 diabetes" at Indo-American Pharmaceutical Regulatory Symposium held from November 12-13, 2011

Faculty Recognitions

- **Prof. Deepak Srivastava** of IM-NU was awarded visiting research fellowship by Turku University, Finland for the year 2011. He was also awarded fellowship by Slovak Government for the year 2012 as well as adjunct professorship by Szechenyi Istvan University, Hungary
- **Prof Deepak Srivastava** of IM-NU was appointed as Editorial Board Member, Asian Journal of Case Research, Graduate School of Management (GSM), Universiti Utara Malaysia.

- **Prof. Nityesh Bhatt** of IM-NU was appointed as Member of Program Committee for National conference on e-Governance to be organized by Institute of Public Enterprises, Hyderabad in January 2012
- **Prof. Nityesh Bhatt** of IM-NU was appointed as Co-Convener of CSI-Nihilent eGov Awards 2010-11 and also as Coordinator e-District Award Category.
- **Prof. Nityesh Bhatt** of IM-NU was appointed as Program Chair for 8th International Conference on e-Governance (ICEG) and 3rd Knowledge Sharing Summit (KSS) of IT Secretaries jointly organized by Govt. of Gujarat – Department of Science & Technology, Computer Society of India – Special Interest Group on eGovernance (SIGeGov), IM-NU and IIT-Delhi on October 17-18, 2011 at IMNU.
- **Prof. Nina Muncherji** of IM-NU was appointed as an Expert member on 'Technical Advisory Committee for Appointment of HR Consultant' in order to effectively implement the Gujarat International Finance Tec City (GIFT).
- **Dr. Manjunath Ghate**, IP-NU Invited as Speaker and Chairman of session in 9th Changwon International Symposium on advanced Science and Technology held on October 4-6, 2011, Changwon South Korea.
- **Prof. Vimal Kumar**, IP-NU has been nominated as an Editorial Board Member of International Journal Research in Pharmacy (RIP) & International Journal of Pharmaceutical Sciences Review and Research (IJPSRR).
- **Dr. Tejal Mehta**, IP-NU was appointed as a reviewer in PDA J. of Pharm. Sci. Tech., USA
- **Dr. Priti Mehta**, IP-NU was appointed as a reviewer in Acta Chromatographia and Eurasian Journal of Analytical Chemistry.
- **Dr. Charmy Kothari**, IP-NU was appointed as a reviewer in International Journal of AOAC.
- **Dr. Mayur Patel**, IP-NU has been a reviewer of Expert Opinion on Drug Delivery (impact factor of 4.482), Drug Development and Industrial Pharmacy (impact factor of 1.396) and Molecular Pharmaceutics (impact factor of 5.4)
- **Ms. Shraddha Bhadada**, IP-NU has been appointed as a reviewer of Human and Experimental Toxicology and Pharmaceutical Biology.

- **Dr. Sriram Seshadri**, ISNU has been appointed in the Editorial Board of Indo Global Research Publishing House for a duration of three years from August 2011 to July 2014.

Lectures Delivered

- **Prof. Mamta Saiyad** of IDS-NU was invited as guest speaker at NID Ahmedabad on September 5, 2011, where she delivered a talk on "Plastic materials for Product Design".
- **Prof. Satish K Nair**, IM-NU delivered an Academic Guest Lecture in the Diploma in Marketing Management Programme at Ahmedabad Management Association.
- **Prof. Deepak Srivastava**, IM-NU delivered guest lectures at Corvinus University of Budapest, Hungary, Szechenyi Istvan University, Hungary, BI Norwegian Business School, Oslo, Masters Program students in Turku University, Indian Institute of Management, Ranchi. International Staff Training Program conducted by Turku University, Finland, and acted as a commentator in Collaborative Service Development and Innovation Workshop conducted by Turku University, Finland.
- **Prof. A C Brahmbhatt**, IM-NU delivered a lecture on 'Analytical tools and techniques in social sciences' in a Refresher course for Ph.D. students organised by The Academic Staff College of Gujarat University on August 31, 2011.
- **Prof. A C Brahmbhatt**, IM-NU acted as a Resource Person in the workshop on Research Methodology arranged by CEPT University for its Ph. D. students and also delivered a lecture for one session on 'Essentials of Ideal Research' on September 9, 2011.
- **Prof. Vimal Kumar**, IP-NU delivered the Guest Lecture on "Supercritical Fluid Extraction & Herbal drugs" at United Institute of Pharmacy, Naini, Allahabad on October 24, 2011.
- **Dr. Tejal Mehta and Dr. Shital Bariya**, IP-NU was invited to deliver guest lecture at Shree Swaminarayan Sanskar Pharmacy College at Zundal in August, 2011
- **Dr. Priti J. Mehta**, IP-NU was invited as a resource person to deliver a guest lecture entitled "Analytical Method Development- A Contemporary Approach" at Indukala Ipcowala College of Pharmacy, Vidyanagar on October 15, 2011.

- **Prof. Vimal Kumar and Prof Tejal Mehta**, IP-NU delivered lecture in Inter-Institute seminar on “New Horizons in Chemical and Pharmaceutical Research Technologies” organized by Institute of Technology and Institute of Pharmacy, Nirma University on August 6, 2011
- **Prof. (Dr.) Purvi Pokhariyal**, IL-NU was invited by the North Maharashtra University Jalgaon as a subject expert in Research and Recognition Committee for Ph..D in Law on August 17, 2011.
- **Prof. (Dr.) Purvi Pokhariyal**, IL-NU delivered four lectures on the occasion of 76th Orientation Programme of UGC Academic Staff College, JNV University, Jodhpur on August 23-24, 2011.
- **Mrs. Parna Mukherjee**, Asst. Prof. IL-NU was invited to deliver a lecture on the topic “*Environmental Laws and role of High Court*” in the Training Programme for newly appointed Legal Assistants, at the Gujarat State Judicial Academy in the High Court of Gujarat on August 11, 2011.
- **Dr. Tarkesh Molia**, IL-NU delivered a lecture on “Enforcement of Constitutional provisions from the standpoint of child welfare” in a certificate course on “Child Psychology and Child Welfare including Social Reintegration” was arranged for the Judicial Officers of the State by the Judicial Academy, Gujarat High Court on August 3, 2011.
- **Dr. Tarkesh Molia**, IL-NU delivered a lecture on “Case study method: An effective tool to study the Constitution” in 3rd All Gujarat Law Teachers Training Programme organized by Gujarat National Law University and Commissionerate of Higher Education on August 19, 2011.
- **Dr. Krishna Pal Malik**, IL-NU delivered two sessions on July 31, 2011 in a training programme for Principal Magistrate on child psychology organized by Judicial Academy in the subject of (i) “Role of judiciary in protecting Juvenile Justice” and (ii) “Factual position of administration of Juvenile Justice in Gujarat”. This training was organized by the High Court to train the Judicial Magistrate of First Class to deal with Juvenile Justice.
- **Dr. Krishna Pal Malik**, IL-NU delivered a session on August 10, 2011 in a training programme organized by Gujarat Judicial Academy for new appointed legal assistants on the subject of “Law relating to Revision”.
- **Dr. Krishna Pal Malik**, IL-NU delivered sessions on “The role of police under Juvenile justice Act” and “Factual position of various homes constituted under the Juvenile Justice Act” on September 14-16, 2011 respectively. The programme was sponsored by UNICEF and organized by Gujarat Police Academy KARAI.
- **Dr. Krishna Pal Malik**, IL-NU from September 29-30, 2011 participated in a two days Consultation on Amendment of Juvenile Justice (Care & Protection of Children) Act, 2000 & its Amendment Act, 2006, organized by NIPCCD, New Delhi which was held at their Regional Centre, Indore.
- **Dr. Krishna Pal Malik**, IL-NU has delivered a session on November 28, 2011 on “The Role of Special Juvenile Police Unit under the Juvenile Justice (Care and Protection of Children) Act, 2000”. The Programme was sponsored by UNICEF and organized by Gujarat Police Academy KARAI for police officers.
- **Dr. Tarkesh Molia**, IL-NU was invited as a Resource person for Research Development Committee, Department of Human Rights and International Humanitarian Law, Saurashtra University.

Books/Monograms Published:



Dr. Chetna Chauhan from IT-NU and Prof. Vaishali Bhavsar from IDS-NU got a book titled 'Applied Physics' published by Mahajan Publishing House, in September 2011.



Vijay Kothari, IS-NU, Mohini Patadia, Neha Trivedi (2011). Microwave Sterilization of Biological Media: A novel approach for better microbial growth. Lambert Academic Publishing (LAP), Germany. (ISBN-10: 3846536776; ISBN-13: 978-3846536773).

Books/Monographs Published

- **Dr Shibu G. Pillai**, of Chemical Engineering Department, IT-NU has published a book, entitled, "Engineering Chemistry" in October 2011. Print: ISBN 978-93-81256-28-2
- **Prof. Neha Patni**, of Chemical Engineering Department, IT-NU has published a book, entitled, "Biodiesel: Fuel of the Moment and the Future", Lambert Academic Publishing, Germany, in November 2011
- **Dr. J. G. Jamnani**, of Electrical Engineering Department, IT-NU has published the 3rd new edition of his book "ELEMENTS OF ELECTRICAL DESIGN", in July 2011.
- **Nityesh Bhatt**, IM-NU and Akshai Aggarwal, E-Governance: Policies and Practices, Excel Publishers, New Delhi, 2011, 978-93-81361-42-9
- **Nityesh Bhatt**, IM-NU Akshai Aggarwal, E-Governance: Techno-Behavioural Implications, Excel Publishers, New Delhi, 2011, 978-93-81361-43-6
- **Surendra Kapoor, Prabhu Gollamudi, Nityesh Bhatt**, IM-NU Widening e-Governance Canvas – Selected e-Governance Initiatives in India, ICFAI University Press, Agartala, 2011, 978-81-314-2779-8
- **Swarup Dutta**, IM-NU Strategic Management for Distance Learning Programme, Vikas Publishing House Pvt Ltd, 2011, Strategic Management MBA-4.2 ISBN no-978-81-259-4973-2

Papers published in International Journals

- **Ankur H. Dwivedi**, of Chemical Engineering Department, IT-NU published a paper, entitled "Methylene Blue Sensitized Photodechlorination of Isomeric Mono- and Dichloroanilines via Molecular Complex Formation Mechanism" in E-Journal of Chemistry(Online), 8(3), 1086-1093, in July 2011
- **Tejas Mehta**, IT-NU and Rachana Modi (PG student), of Computer Science and Engineering Department, published a paper, entitled " Neural Network based Approach for Recognition Human Motion using Stationary Camera" in Int. Journal of Computer Applications (Online), Vol 25, No. 6, Pg. 43-47, in July 2011
- **Rajan Datt, and Priyanka Sharma**, of Computer Science and Engineering Department, IT-NU published a paper, entitled "Methodology For Data Transfer With

Attachment, Using Web Service", in International Journal Of Emerging Technologies And Applications In Engineering, Technology And Sciences, Volume 4 : Issue 2, in July 2011

- **R K Mewada**, of Chemical Engineering Department, IT-NU published a paper, entitled, "Selectivity engineering in the synthesis of value added chemicals: Oxidation of 1-octanol to 1-octanal over nano-fibrous Ag–OMS-2 catalysts", in Int. Journal on Chemical Engineering Research and Design(Online/Print), in August 2011
- **Ankit Thakkar and K Kotecha**, of Computer Science and Engineering Department, IT-NU published a paper, entitled, "Bio-inspired based optimized algorithm for Cluster Head election using RSSI and LQI" in International Journal of Computer Science Research and Application (Online/Print/E-Copy), 2011, Vol. 01, Issue. 02, pp. 19-29, in November 2011
- **Rachit Oza, Nikhil Shah and Sanjay Patel**, of Chemical Engineering Department, IT-NU published a paper, entitled, "Removal of Nickel from Spent Catalysts using Ultrasonication Assisted Leaching", in Journal of Chemical and Biotechnology(print), 86 (2011) 1276-1281 in October 2011.
- **Priyanka Sharma, Yakuta Karkhanawala, K Kotecha**, IT-NU published a paper entitled "Bandwidth constrained routing of multimedia traffic over Hybrid MANETs using Ant Colony Optimization" in International Journal of Machine Learning and Cybernetics (IJMLC) Vol.1(3): 242-246 ISSN: 2010-3700, August 2011
- **Manish Solanki**, IDS-NU published a paper titled "Synthesis and Antimicrobial activity of novel Pyrazolo[3,4-d] Pyrimidine derivatives" in International Journal of Chemical and Analytical Science' 2011, 2(2), 15-17, ISSN : 0976-1209 in July 2011.
- **Manish Solanki**, IDS-NU published a paper titled "Synthesis and Antimicrobial Evaluation some newer symmetrical 1, 4-Dihydropyridines" in International Journal of ChemTech Research CODEN(USA): IJCRGG ISSN : 0974-4290 Vol. 3, No.3, pp 1139-1144, July-Sept 2011 in July, 2011.
- **Manish Solanki**, IDS-NU published a paper titled "Synthesis and Antimicrobial activity of some novel derivatives of Thiazolo [2,3-b] dihydropyrimidine containing 4-pyrazolyl moiety" in International Journal titled RASAYAN J. Chem. Vol.4, No. 3 (2011) (ISSN 0974-1496- Print, 0976-0083-Online)



- **Neha Bhatnagar**, IM-NU “Asset Liability management In Banking Sector; A comparative study”, Management Journal of GBS, Noida.
- **Sameer Pingle**, IM-NU, OM Ashtankar, “Management Teachers as Stakeholders of Management Education; An Experiential Review in KHOJ”, Journal of Indian Management Research and Practices, Vol 2(1), May - August 2011; Pg. 2 – 8
- **Neha Bhatnagar**, IM-NU “Personality Variation and Investment Choice: A correlation”, Journal of Management and Information Technology (JMIT), by Guru Nanak Institute of Management, New Delhi, 2011.
- **A. C. Brahmabhatt**, IM-NU “Understanding Ethnographic research in retail environment”, WIM Journal of Management, Vol.3 (1), September, 2011; 68 – 85.
- **Swaroop Kumar Dutta**, IM-NU Superior Management Model: "Renewal" Perspective, SCMS Journal of Indian Management, Vol 8 (3), July - September, 2011; 63 – 71.
- **Sanjay Jain**, IM-NU “Lifestyle and general medicines: A study of promotional mix strategies in India”, Journal of Medical Marketing, 2011.
- **Swarup Kumar Dutta**, IM-NU, “The Renewal and Revitalization Framework to Corporate Transformation”, GITAM Journal of Management, 2011.
- **M Mallikarjun**, IM-NU “Asset Distribution, Inequality and Growth in Indian States: A Temporal Analysis”, Indian Journal of Regional Science, Vol. XXXXIII No. 1, 2011.
- **Jayesh Aagja**, IM-NU reviewed a research article for “Sports Business Management”, An International Journal of Emerald group of journals.
- **Swarup Dutta**, IM-NU “Parenting Advantages of Diversified Conglomerates-An Indian Perspective”, GITAM Journal of Management, 2011.
- **Swarup Dutta**, IM-NU “Challenges of Building an Ambidextrous Organization” HRM Review, ICFAI University Press, 2011.
- **Nityesh Bhatt**, IM-NU Sapna Choraria, “Virtues and Veracity of the Second Life, Indian Management”, Vol 50 No.11, 2011, AIMA, Business Standard, 87-92.
- **Pingle Sameer**, IM-NU and Sood, Vrinda (2011), “An Empirical Study of Expatriate Expectations in IT/ITES Sector from Human Resource Management Perspective”, The Journal- Contemporary Management Research, Bharathisadan Institute of Management, Tiruchirapalli, Vol. V (2), September (ISSN: 0973-8266), pp.68-99.
- **Pingle Sameer** (2011), IM-NU The case (411-058-01) and Teaching Notes (411-058-08) “Sifar Patel: Journey of an Expatriate” are published with European Case Clearing House (ECCH), UK in August 2011.
- **Shailesh V. Jain, Kamendra S. Bhadoriya, Sanjaykumar B. Bari, Nitendra K. Sahu and Manjunath Ghate**, IP-NU, “Discovery of potent anticonvulsant ligands as dual NMDA and AMPA receptors antagonists by molecular modelling studies”, Med Chem Research DOI 10.1007/s00044-011-9889-5, Oct 2011.
- **Priti J. Mehta, Deepak M. Khatri, Omkar Sheirkar**, IP-NU, “Various Approaches for Impurity Profiling of Pharmaceuticals-An Overview”, Journal of Pharmaceutical Research, 2011, 4 (6), 1937-1942.
- **Priti J. Mehta, Deepak M. Khatri**, IP-NU, “Stability Indicating HPTLC method for determination of Milnacipran Hydrochloride in Bulk & Its Formulations”, Journal of Planar Chromatography, 2011, DOI: 10.1556/JPC.24.2011.3.12.
- **Jigar N Shah, Tejal A Mehta**, IP-NU, “Formulation and evaluation of gelrite based in situ ophthalmic gel for controlled release of drug using rabbit eye model”, IJDFR, Vol. 2(4), Jul-Aug 2011, 232 – 246.
- **Bariya Shital, Mehta Tejal, Sharma Om Prakash**, (IP-NU) “Microneedles: an emerging transdermal drug delivery system” Journal of Pharmacy and Pharmacology, 2011, 1-19.
- **Tejal Mehta**, IP-NU “Reviewing Thaumatin's Pharmaceutical Applications in Drug Delivery Technology”, Vol. 11(6), July/August 2011, 29-31.
- **Vimal Kumar**, IP-NU, “Need of Interdisciplinary Approach for the Development of Herbal Medicines”, The Pharma Review, August, 2011, 48-52.
- **Kapoor Megha, Jasani Nidhi, Acharya Niyati, Acharya Sanjeev, Vimal Kumar**, IP-NU “Phytopharmacological evaluation and anti-asthmatic activity of Ficus religiosa leaves”, Asian Pacific Journal of Tropical Medicine, Vol. 4(8), August 2011, 642-644.
- **Modi Anuj, Vimal Kumar, IP-NU, Jain Prateek K., Jain Sunil K., Uplanchiwar Vaibhav P.** “Evaluation Of Antioxidant Activity Of Flavonoid And Phenolic Contents Of Luffa Echinata Roxb. Fruits and Nyctanthus Arbor-

Tristis Leaves”, International Journal of Phytopharmacy, Vol.1(1), Sept- Oct, 2011, 9-14.

- **Patel Mayur, Amin Avani**, IP-NU, “Process, optimization and characterization of mebeverine hydrochloride loaded guar gum microspheres for irritable bowel syndrome”, Carbohydrate Polymer Vol. 86, 2011, 536–545.
- **Patel Mayur**, IP-NU, “Cutting Edge Technologies in Colon Targeted Drug Delivery Systems. Expert Opinion on Drug Delivery”, Vol. 8, 2011, 1247-58.
- **Goyal Bhoomika R, Patel Mayur M, Bhadada Shraddha V**, IP-NU, “Comparative evaluation of spironolactone, atenolol, metoprolol, ramipril and perindopril on diabetes induced cardiovascular complications in type 1 diabetews in rats”, International Journal of Diabetes and Metabolism. Vol. 19(1), 2011, 11-18.
- **Goyal Bhoomika R, Parmar Kaushal**, IP-NU, “Beneficial role of telmisartan on cardiovascular complications associated with STZ-induced type-2 diabetic rats”, Pharmacological Reports, Vol. 63(4) 2011, 956-966.
- **Shah Nitesh, Patel Mayur, Amin Avani**, IP-NU, “Design, Development and Optimization of Colon Targeted Drug Delivery System for Crohn's Disease”, Journal of Pharmaceutical Education and Research, Vol. 2, 2011, 42-49.
- **Kothari Charmy**, IP-NU, “Development And Validation Of HPTLC Method For The Estimation Of Atomoxetine Hydrochloride In Tablet Dosage Form”, International Journal of Drug Formulation & Research, Vol. 2(5), Sep-Oct-2011.
- **Kumar Jena P., Trivedi D., Purandhar K., Chaudhary H. and Seshadri S**, IS-NU. “Antimicrobial Peptides and its Role in Gastro-Intestinal Diseases: a Review”, Journal of Animal Sciences Advances, 1(1): 1-11, 2011.
- **Pal S, Das M, IS-NU, Banerjee R, Dasgupta D.** “Biphasic association of T7 RNA polymerase and a nucleotide analogue, cibacron blue as a model to understand the role of initiating nucleotide in the mechanism of enzyme action. J Biomol Struct Dyn”, 29(1): 153-64, 2011.
- **Vijay Kothari, IS-NU, Mohini Patadia, Neha Trivedi.** “Microwave sterilized media supports better microbial growth than autoclaved media”, Research in Biotechnology, 2(5): 63-72, 2011.

- **Neha Trivedi, Mohini Patadia, Vijay Kothari**, IS-NU, “Biological applications of microwaves”, International Journal of Life Sciences and Technology, 4(6): 37-46, 2011.
- **Vijay Kothari, IS-NU, Parini Surti, Devanshi Kapadia**, “Cellulosomes- A robust machinery for cellulose degradation”, International Journal of Life Sciences and Technology, 4(5): 31-36, 2011.
- **Vijay Kothari, IS-NU, Madhu Naraniwal, Ankit Gupta.** “Effect of certain phytochemicals on Aeromonas hydrophila. Research in Biotechnology”, 2(4): 20-25, 2011.
- **Sherin Anthony, Peeyush K. T., Jayanarayanan S., Amee Krishnakumar, IS-NU, Paulose C. S.** “Decreased Cholinergic Receptor Expression in the Striatum: Motor Function Deficit in Hypoglycemic and Diabetic Rats”, Cell Mol Neurobiol., DOI 10.1007/s10571-011-9738-6, July 2011

Papers presented at International Conferences:

- **Hemang Kothari, Manish Chaturvedi**, of Computer Science and Engineering Department, presented a paper, entitled, “Effect of Selfish Behavior on Power Consumption in Mobile Ad hoc Network”, at APAN-NRW 2011, 32nd ASIA-PACIFIC ADVANCED NETWORK meeting, IIT Delhi, New Delhi, India, in August 2011.
- **Sumitra Menaria and Sharada Valiveti and Dr K Kotecha**, of Computer Science and Engineering Department presented a paper, entitled, “Attack generating and its implications on Ad Hoc Networks”, at ETNCC 2011, at Udaipur, in October 2011.
- **Sachin Gajjar**, of Electronics and Communication Engineering Department, presented a paper, entitled, “Cross Layer Architectural Approaches for Wireless Sensor Networks and a paper, entitled, “Wireless Sensor Network: Application Led Research Perspective at Int. Conf. On Recent Advances in Intelligent Computational Systems”, at Trivandrum, Kerala, in September 2011.
- **Nimish Shah**, of Chemical Engineering Department, presented a paper, entitled, “Role of Polymer in modified parenteral drug delivery”, at Indo American Pharmaceutical Regulatory Symposium, at Institute of Pharmacy, Nirma University, in November 2011.
- **Priya Patel**, of Chemical Engineering Department, presented a paper entitled, “Development of Microbial



- Fuel Cell for Waste Water Treatment (ICER - 11(International Congress of Environmental Research)", Journal of Environmental Research And Developoment (JERAD), at Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat, in December 2011.
- **Amit K. Parikh**, of Maths & Humanities Department, presented a paper entitled, "A Numerical Solution of the flow of two immiscible fluids through Porous Media with mean Pressure", at 16th Annual cum 2nd International Conference of Gwalior Academy of Mathematical Science (GAMS), at S.S. Dempo College of Commerce and Economics, Goa, in September 2011.
 - **Shashikant J Joshi**, of Mechanical Engineering Department, presented a paper entitled, "Stress Intensity factors for cracks emanating from a circular hole in a finite "orthotropic lamina", at 2011 IEEE Colloquium on Humanities Engineering and Research , IEEE Malyasia Section, Penang, Malyasia , in December 2011.
 - **K. Adabar**, "Does Higher Education Lead to Employability: An Empirical Analysis of Indian States" International conference on 'Quality of Higher Education: Challenge and opportunities in India", Institute of Public Enterprise, Hyderabad, in October 20-21, 2011.
 - **Deepak Srivastava**, key note speech on "Global Entrepreneurship". International Conference, Annamali University, in July 28-30, 2011.
 - **Jayesh Aagja**, "Effectiveness of Health Related Public Service Advertising Campaigns", "Building Capabilities for Sustainable Global Business: Balancing Corporate Success & Social Good" organized by Society for Global Business & Economic Development, Singpure, in July 21-23, 2011.
 - **M Mallikarjun**, "IT Diffusion and Productivity in India - An Empirical Analysis", 8th International Conference on e-Governance ICEG-2011 & 3rd Regional e-Governance Knowledge Sharing Summit KSS-2011, in October 17-18, 2011.
 - **Deepak Danak**, "Addressing the Challenges of Management Education in 2020: The Four 'S' Framework", 8th AIMS International Conference organized at IIMA during January 1-4, 2011 is brought out in print form in a compendium of selected papers in November 2011 by AIMS International.
 - **Parna Mukherjee** represented ILNU in one day Conference on "Anti Nuclear struggles in India and Lessons from Fukushima" on August 27, 2011 at Ahimsa Bhavan, Gujarat Vidyapith, Ahmedabad.
 - The sessions were on the contemporary themes like Anti Nuclear struggles in India - their stories, The Future of Indian Nuclear industry post Fukushima, including the International responses to Fukushima - shared by Karuna Raina, a Green Peace activist from Japan via video conferencing.
 - **Rupa Pathakji** participated in Gujarat Legal Education Project (GLEP) where the team is conducting 4th All Gujarat Law Teachers' Training Programme on Saturday, September 3, 2011 at Gujarat National Law University (GNLU) premises. The subject was Transfer of Property Law.
 - **Bindiya Soni** presented a research paper on "A Conceptual Study on Angel Investors in India" in GTU Finance Conference 2011 on August 26-27, 2011.
 - **Bindiya Soni** published a paper in e-Srujan Vol.1 No.2 Aug 2011-Feb 2012 ISSN: 2231-4539 on "Development of Venture Capital in Gujarat: Problems and Prospects".
 - **Madhuri Parikh** participated and presented a paper on, "Integrating the Principles of Sustainable Development and Human Rights- A tale of Judicial Craftsmanship" in the National Seminar (UGC sponsored) organized by the University School of Law, Gujarat. University, at Ahmedabad on October 8-9, 2011.
 - **Kiran Gardner** participated and presented a paper on, "Minority rights as Human Rights" in the National Seminar (UGC sponsored) organized by the University School of Law, Gujarat. University, at Ahmedabad, on October 8-9, 2011.
 - **Parna Mukherjee**, presented a paper titled "The Critical Analysis of the Role of the State Under IHL with Reference to the Issue of Human Rights Violations in Sri Lanka", on the theme "Human Right in Emerging Area & Value Education" a UGC Sponsored National Seminar, organized by the University School Law, Gujarat University, Ahmedabad held on October 8-9, 2011.
 - **Krishna Pal Malik**, participated and presented a paper on, "Protection of Human Rights of victims of crime: Need of legislation for mainstreaming" in the National Seminar (UGC sponsored) organized by the University School of Law, Gujarat University, at Ahmedabad on October 8-9, 2011.

- **Kanchan Samtani** participated and presented a paper on, "Human Rights and weaker sections of the society" in the National Seminar (UGC sponsored) organized by School of Law, Gujarat University, at Ahmedabad on October 8-9, 2011.
- **Ravi Saxena**, presented a paper in a National Seminar on Dr. B. R. Ambedkar and the Idea of Equality in the Era of Globalization, organized by the Centre for the Study of Social Exclusion and Inclusive Policy, Pondicherry University, Puducherry on November 29-30, 2011. The topic of his research paper was "Dalit Politics and Poetics in India: Contextualising Ambedkar". His paper has been accepted for publication.
- **Rashmi Mehta** participated in a Colloquium on Indian Women Writers in English on the November 12-13, 2011. It was organized by the English Dept. of Gujarat University in collaboration with Delhi Sahitya Akademi. The keynote was delivered by Shobha De while the chief guest was the governor of Gujarat.
- **Nitesh Saraswat** participated and presented a paper titled, "Elimination of Discrimination against women: A judicial response in the light of Dr. Ambedkar's Constitutional Perspective" in a two days ICSSR- UGC sponsored National Seminar on "Dr. Ambedkar's Perspectives of Equality and its Relevance in the era of Globalisation" held on November 29-30, 2011 at Centre for Study of Social Exclusion and Inclusive policy, Pondicherry University, Puducherry.
- **Tarkesh Molia**, participated and presented a paper co-authored by Rohit Moonka, titled, "Constitutional Provision and marginal section of the society; a critical analysis with reference to women empowerment in the present context" in the two days ICSSR- UGC sponsored National Seminar on "Dr. Ambedkar's Perspectives of Equality and its Relevance in the era of Globalization" held on November 29-30, 2011 at Centre for Study of Social Exclusion and inclusive policy, Pondicherry University, Puducherry.
- **Tarkesh Molia**, participated in the International conference on, "Global Maritime Security and Anti Piracy conference -2011", organized by Gujarat National Law University, Gandhinagar on November 26-27, 2011.
- **Tarkesh Molia**, presented a paper titled, "Constitutional perspective of Judiciary in the protection of Human Rights in India" in a two days UGC sponsored National Seminar on Human Rights and Value Education" organized by School Of Law, Gujarat University, Ahmedabad on October 8-9, 2011.
- **Nitesh Saraswat** participated and presented a paper titled, "Elimination of Discrimination against women: A judicial response in the light of Dr. Ambedkar's Constitutional Perspective" in a two days ICSSR- UGC sponsored National Seminar on "Dr. Ambedkar's Perspectives of Equality and its Relevance in the era of Globalisation" held on November 29-30, 2011 at Centre for study of social exclusion and inclusive policy, Pondicherry University, Puducherry..
- **Nitesh Saraswat** co-authored a paper titled, "Globalization and its Impact on Higher Education", presented by Prof. (Dr.) R. N. Sharma, Faculty of Law, J. N. Vyas University, Jodhpur in the international seminar on, "Social Responsibility of Education" at Colombo, Sri-Lanka on November 14-15, 2011.
- **Monica Rao** presented a paper titled "Impact of Materialistic Cultural Change on Emerging Family Pattern and Inter-Generational Gap" in XXXVII All India Sociological Conference at Jawaharlal Nehru University New Delhi on December 13, 2011.
- **Rohit Moonka** participated and presented a paper entitled "Growth of international IP regime and its impact on small farmers of developing countries" in the UGC sponsored National Seminar on Human Rights & Social Inclusion: Contemporary Concern organised by Department of Political Science, Jamia Milia Islamia University, New Delhi during November 23-24, 2011.
- **Vijay Kothari**, ISNU was selected for the Refresher course on the theme "Biodiversity: Structure and Conservation" at North Eastern Hill University (NEHU), Shillong, August 23 to September 12, 2011.
- **Nasreen S. Munshi**, ISNU, attended and presented a paper on "Microbial Diversity in Combined Industrial Effluent of South Gujarat" in the International Conference on "Microbial Biotechnology for Sustainable Development" organised by Association of Microbiologists of India (AMI) held at Punjab University, Chandigarh held during November 3-6, 2011.
- **Sonal Bakshi**, ISNU attended "Hands-on training on Bioinformatics" organized by the Indian Institute of Advance Research (IIAR), Gandhinagar during November 14-18, 2011.

Research And Development

Dr A P Vyas, Chemical Engg Dept, IT-NU undertook research work entitled "Studies on Effect of Various Parameters on Transesterification of Jatropha oil into Biodiesel under Ultrasound Irradiation" funded by GUJCOST, Gandhinagar. The Objective was to study the effect of various parameters affecting the production of biodiesel using ultrasound irradiation wherein the feedstock primarily will be Jatropha oil.

Foundation Day Celebrations



IT-NU celebrated its 17th Foundation Day on October 3, 2011. The students and faculty members with special achievements were felicitated. Shri K K Patel awarding gold medals to the students of IDS-NU for their excellent academic performance at their foundation day on September 14, 2011.



IT-NU celebrated its 17th Foundation Day on October 3, 2011. The students and faculty members with special achievements were felicitated.



Justice Kalpesh Javeri, High Court of Gujarat addressing the students of IL-NU at their 4th foundation day celebrated on August 18, 2011. ER Shri D. P. Chhaya was the Chief Guest.



Ms Rupa Pathakji, Prof. Purvi Pokhariyal, Justice Kalpesh Javeri, Shri D. P. Chhaya and Mr Rhishikesh Dave during the unveiling of students' magazine- Axiom. of IL-NU on its foundation day.



Dr. Vipin Dhall, Director & Site head, Piramal Health Care, Ahmedabad lighting the lamp as the Chief Guest at the foundation day of IP-NU on October 1, 2011 during which faculties members and students were felicitated for their achievement



Dr. Narottam Sahoo, Director, Gujarat Council of Science & Technology, Gandhinagar was the Chief Guest at the function organized by IS-NU to celebrate its foundation day on September 6, 2011. Dr. Sher Ali, Head, Molecular Genetics laboratory, National Institute of Immunology (NII), New Delhi and Dr. Abhay Vasavda, Director (Research), Iladevi Cataract and IOL Research Center (ICIRC) addressed the gathering.

Students' Corner

ITNU received the Best CSI Students Chapter award

Collaboration with Foreign Universities

12 students of IT-NU under went internship and project at University of Southern California, USA and 2 students at Florida Atlantic University.



Group of students at USC

Students Achievements

Mr. Subhash Ambalia of IT-NU received first prize for Best B.Tech Project work at national level at ISTE student convention at Jayan College of Engineering, Tamilnadu on September 30, 2011.



ISTE National Award-2011 for Best B.Tech Student Project was awarded to **Mr. Manthan Patel and Mr. Neel Shah**. It was guided by Prof. K. D. Shah in Instrumental & Control Engineering.

Prof. Mihir C. Shah, of Electrical Engineering Department of IT-NU received the Gold medal for the Best student in M. Tech (PEMD) at IT-NU in November 2011.

Mr. Saurabh Purkaayastha (09MEE014) of IT-NU was awarded the first prize for the ISTE – L&T National Award for Best M.Tech. Thesis in Electrical & Electronics Engineering – 2011 for his thesis titled "Design and Development of Single-Phase Continuous Conduction Mode Front-End Boost Converter with Variable Duty-Cycle Control to Achieve High Input Power Factor" during the Inaugural Function of the 41st Annual Convention of ISTE on December 16, 2011 at Baba Banda Singh Bahadur Engineering College, Fatehgarh Sahib, Punjab.

Mr. Dhru Thumar, IP-NU was awarded first prize in poster competition on the topic entitled 'Pharmacy Education in India: Current Scenario and Innovation' co-authored by Ms. Dipal Gandhi, in the Indo-American symposium held at

Institute of Pharmacy, Nirma University from November 11-13, 2011.

Mr. Somsuvra B. Ghatak, IP-NU, presented research paper at The International Conference & Exhibition on Cancer Science & Therapy held on August 15-17, 2011 at Las Vegas, USA. He has received full International Travel Support including Visa fees and Registration fees from the Department of Science and Technology (DST), Govt. of India.



Mr Kartik Patel, IP-NU under the guidance of Dr Priti Mehta, awarded first prize in poster competition in track of Pharmaceutical Analysis, in the Indo-American symposium held at IP-NU from November 11-13, 2011.

Rajesh Sawant and Rahul Garg (MBA 2010-12), IM-NU won the B-Plan competition at I-Fest 2011, an annual National Level Techno Management Symposium organized by ISTE-NIT.

IM-NU Team consisting of **Vaibhav Maheswari, Ankit Shah, Shravan Kentur, Shubhra Sharma** (MBA-FT 2011-13) won the Western Region finals of AIMA's National Management Games (Chanakya) held at Lonavala on September 27-28, 2011.

The IM-NU team won the second position in the 15th National Student Management Games – Chanakya organized by AIMA at Coimbatore from November 9-11, 2011.

Vikram Kumar (MBA FT 2011-13) won the first prize in the Pagalguy B-School Photography contest and the first Prize in the Teach For India's national photography contest conducted in November 2011.

Shruti Jain, MBA (FG&E) won the first prize in the Business Management Institute (PG Level) category at "ENCORZ-The presentation and Design contest" conducted by Jaipuria Institute of Management, Indore. She was among 157 contestants.

The IM-NU team consisting of **Ameya Waghle, Alok Jaiswal and Neha Rau** (MBA FT 2010-12) won the third position in the National finals of “Leagile” (A Lean Management Game) conducted by IIT, Mumbai on October 16, 2011.

Paper / Poster Presentation and at Conference Participation

Rahul Jog, Full time Ph. D. Students, ISNU, participated and presented a poster entitled “Actinomycetes diversity and its Plant growth promoting activities form wheat rhizosphere” at the International Conference of Association of Microbiologists in India held at Ranchi, 2011.

Aditi Mathur, M. Sc. Biochemistry (Sem III), IS-NU, participated and presented a poster entitled “Down regulation of NRG1 gene expression in cerebral cortex leading to angiogeny in streptozotocin induced diabetic rats: Therapeutic role of insulin”, **Sanjay Kumar Trivedi**, M. Sc. Biochemistry (Sem III), ISNU, participated and presented a poster entitled “Altered NRG1 gene expression in cerebellum of streptozotocin induced diabetic rats: Role of insulin in motor dysfunction” and **Swati Mittal**, M. Sc. Biochemistry (Sem III), IS-NU, participated and presented a poster entitled “Effect of sleep deprivation on 5HT2A gene expression and level of depression and anxiety in pilocarpine induced epileptic rats”, at a National Seminar on Emerging Trends in Biotechnology organized jointly by Society for Biotechnologists (India) & Department of Biotechnology Acharya Nagarjuna University, A.P., India held during September 24-26, 2011.

Sanjay Kumar Trivedi, M. Sc. Biochemistry (Sem IV), IS-NU, participated and presented a poster entitled “Prevalence of hypoglycemic episodes and associated diabetic complications in Ahmedabad”, **Nisha Chandpara, Bhavesh Dave, Naisargee Patel, Dr. Amisha Shah, Dr. Sonal Bakshi**, M. Sc. Biochemistry (Sem III), IS-NU, participated and presented a poster entitled “Multiple Abortions: Study of Cytogenetic Etiology”, **Krupali Ramanuj, Megha Doshi, Superna Thakur, Dr Sonal Bakshi, Dr Vijay Kothari**, M. Sc. Biochemistry/Microbiology (Sem III), IS-NU, participated and presented a poster entitled “Szygium cumini seed extract: in vitro antibacterial activity and on genotoxicity on human cells”, **Mahendrapal Singh Rajput**, Full time Ph. D. Student, IS-NU, participated and presented a poster entitled “Oxalic acid mediated Mineral Phosphate solubilization in Rhizobia”, **Rahul Jog**, Full time Ph. D. Student, IS-NU, participated and presented a poster entitled “Actinomycetes diversity in wheat rhizosphere of Gujarat”, **Harshita Chaudhari**, Full time Ph. D. Student, IS-NU, participated and presented a poster entitled “Evaluation of the hydro-alcoholic extract of Eclipta alba for its anticancer potential: an in vitro study”, **Disha Trivedi**, Full time Ph. D. Student, IS-NU, participated and presented a poster entitled “Screening and evaluation of the various plant extracts against the urophthogens” and **Kaveri Purandhar**, Full time Ph. D. Student, IS-NU, participated and presented a poster entitled

“Identification of Molecular Markers for Ageing and Male Infertility” at the Two Day Seminar on Emerging Trends in Microbial Interactions and Challenges in Human Health organized by IS-NU during September 11-12, 2011.

Arpit Singhvi, Arjun Doshi, Vibhor Chaplot, Mihir and Avnish, participated as team members and **Venu Nanavaty & Shriya Jain** as adjudicators, represented the IL-NU for British Parliamentary Debate Competition held from November 25-27, 2011 at St. Xavier's College, Mumbai.

Publications

Sib Sankar Giri, V. Sukumaran, Shib Sankar Sen, J. Vinumonia, B. Nazeema Banu, Prasant Kumar Jena, IS-NU. “Antagonistic Activity of Cellular Components of Potential. Probiotic Bacteria, Isolated from the Gut of Labeo rohita, Against Aeromonas hydrophila. Probiotics and Antimicrobial Proteins”, 3: 214–222, 2011.

Students' Activities

ISTE Students' Chapter, Nirma Institute of Technology organized I-FEST '11, a three day National Level Technical Festival at IT-NU from 26-28 Sept, 2011. ISTE also hosted the Guj-NRE National Integrity theme based presentation competition which had Mr Ajay Tomar- Jt Commissioner of Police, Ms Lipika Majumdar Roy Chowdhury – Chief Commissioner of Customs, Gujarat Region and Mr Guruprasad Mahapatra - Ahmedabad Municipal Commissioner as judges.



Organisation of Civil Engineering Students (OrCES) of Department of Civil Engineering, IT-NU, organized a two day National Student's Symposium – CONTECH'11 on 16th -17th September 2011. It was inaugurated by Padma Bhushan Dr. Bindeshwar Pathak, Ph.D., D. Litt. Founder of Sulabh Sanitation and Social Reform Movement, who also delivered a lecture on “Civil Engineers Towards Social Engineering For Sustainable Development: A Role Model”.



IP-NU celebrated its annual cultural festival ROSTRUM. On October 9-10, 2011 Reanimating the 'panache' was selected as the theme for this year's events.

Anti ragging poster competition is one of the regular feature in IP-NU at the start of new academic year and this year on July 17, 2011 total of 37 students participated with different themes and winners posters are displayed at student notice board to familiarize new entrants to ragging free zone at IP-NU.

On 10th September, the students of IL-NU, in collaboration with International Committee of the Red Cross National Students Conference on International Humanitarian Law was organized to mark the establishment of the Centre for International Humanitarian Law Studies.

Dr. Alexis Heeb Communication Coordinator, Regional Delegation for South Asia, International Committee of the Red Cross, New Delhi. addressing the audience. On dais Dr. Sanoj Rajan, Prof. Purvi Pokhariyal, Shri K. K. Patel and Mr Rhishikesh1 Dave



Social Initiatives

Go Green Campaign

The Rotaract club of IM-NU organized Tree plantation program with the concept of “Go Green Campaign”. This event was conceptualized as a competition among all the classes of Management in order to make the campaign more interesting and popular.

Blood Donation Camp



IM-NU Rotract Club in association with Prathama Blood Centre organized a blood donation camp on the campus on July 19, 2011 which saw a participation of about 300 blood donors.

Deshraag



The students of IM-NU won the 1st prize in “DeshRaag”, – the Patriotic Group Singing Intra University Competition organized by Rotaract Club of Nirma Institute of Technology. The IM-NU team competed with 10 other teams from various disciplines of Nirma University.

Sanidhya 2011

Sanidhya 2011 was organized by Saral, the social cell of IM-NU along with the Prayaas, the social cell of IIM-A and the NGO Samvedna on December 09, 2011. Around 100 underprivileged children of social cells of organizations associated with the event participated in this event. The event began on a cultural note where the kids sang together and danced on Bharatnatyam as well as Bollywood songs. This was followed by a crafts workshop on origami where the kids learned to make flowers, chairs and other different articles.



NIPSA (Nirma Institute of Pharmacy Students' Association) organized the health awareness drive at Khador Umbri, Banaskantha during Diwali vacation.



Students of IDS-NU along with the residents of the old age home.

RESEARCH AND DEVELOPMENT The League of Electrical Engineering Students (LEES), IDS-NU organized a visit to the old age home 'Swami Janardan Tirth Ashram' at Rajpur, Siddhpur on October 23, 2011. The students collected Rs. 2500/- from the students and staff and donated as food and residential fees for some of the residents. They also distributed sweets to celebrate the occasion of Diwali.

ISTE Student Chapter, NIDS conducted a campaign of taking signatures of the students as a part of a cancer awareness drive for world cancer declaration.

To provide free legal aid and advice to the inmates of Sabarmati Central Jail, IL-NU in collaboration with the Gujarat State Legal Services Authority and Gujarat Prisons, established a Permanent Legal Aid Clinic (Sabarmati Central Jail Unit) within the premises of Sabarmati Central Jail, Ahmedabad on 30th July, 2011. This is First Legal Aid Clinic established by any educational institution within the premises of a Jail in the The team members of this Legal Aid Clinic has given legal counseling/advice to nearly 164 under trial prisoners and referred cases of around 101 under trial prisoners to Gujarat State Legal Services Authority for providing the assistance by its panel advocates.



Students of Institute of Law presenting a street play in front of dignitaries and Jail inmates during the inaugural ceremony of Legal Aid Clinic at Sabarmati Jail.

Cultural Events

Talent Night:

The annual event of IM-NU gave the new batches an opportunity to showcase their talent. The event was tagged as 'JASHN' and was organised on August 6, 2011. Various performances like dance, singing, poetry reading took place with fashion show providing the perfect end to the event.

Richter -10

Richter 10, The annual Cultural Festival of IM-NU was organized on December 2-3, 2011. More than 10 premiere B-schools across the country participated in the event. Various cultural events organized during the Richter-10 including a Rock Night and a star night by singer Suraj Jagan.

Sports Activities

GOALZZZZ, the national level inter-college event was organized for 3 days from October 14-16, 2011. As always, teams from premier B-schools across the country such as Mudra Institute of Communication, Ahmedabad, IIM-Ahmedabad, SYDENHAM, Mumbai, K. J SOMAIYA, Mumbai, NITIE, Mumbai and IM-NU participated.

The two best teams of GOALZZ, i.e.IIM A and IM-NU with their hardwork and full dedication reached finals. Finally the dream of IM-NU came true after winning the GOALZZ finals for the first time in 11 years history.

A One Day "Industrial Motivation Campaign" was organized jointly by Plastic Engineering Department, IDS-NU and Ministry of Micro, Small and Medium Enterprise,

Development Institute, Govt. of India, Ahmedabad for the students of the Institute of Diploma Studies on August 5, 2011.

Plastic Engineering Department, IDS-NU organized an awareness campaign "Lets Know Plastics" on October 17, 2011 for all the students of the Institutes.

Chemical Department, IDS-NU organized a one day workshop on "Importance of Analytical Instruments" for Chemical and Plastic Engineering Students on October 14, 2011.



A student explaining her poster at the Poster Presentation Competition at one-day workshop on "Physics-A tool of Engineering" organized by General Department IDS-NU on November 28, 2011.



Students explaining their posters at the Poster Presentation Competition at a one-day Workshop on "ChemComfort" organized by Chemical Engineering Department IDS-NU on December 12, 2011.

Alumni Corner

Alumni Meet 2011

The third meeting of Alumni Association of IS-NU was held on July 30, 2011 at which 117 members were present.



Alumni meet, IS-NU, 2011



Alumni meet, IM-NU, 2011

IM-NU organized the annual alumni get-together on October 1-2, 2011. More than 180 alumni spread across all the programs and batches registered and attended the alumni day celebrations.

Co-Curricular & Extra-Curricular Activities



The University organised "Ras Garba- Ramzat" on October 8, 2011.



Voudeville the cultural festival of IT-NU, on September 29-30, 2011



A flag hoisting ceremony was organized at the University lawns on August 15, 2011 to celebrate Independence Day. The Chief Guest was Justice Shri M. R. Shah



The annual cultural programme of ISNU, RENAISSANCE 2011 was held during 14th – 15th September, 2011. On this occasion, Shri Tarun Shukla, Director for Commercial Broadcasting Service, AIR, Ahmedabad was the Chief Guest



Students performing at the cultural festival – Zenith X of IDS-NU on September 27-28, 2011.



Forthcoming Events

Sr. No.	Name of Event	Date of Event	Organizing Institute
1	CULFEST Festoria 2012	09 th -10 th January, 2012	ILNU
2	National Conference on, 'Law Science and Society: Dynamics, Dilemmas and Disparities'	27 th -28 th January, 2012	ILNU
3	TechFest, a national level technical competition	11 th February, 2012	IDS-NU
4	27 th Bar Council of India Inter-University Moot Court Competition	17 th -19 th February, 2012	IL-NU
5	Nirma Quest	23 rd -24 th February 2012	IP-NU
6	The Prof. N. S. Parmar Memorial lecture	25 th February, 2012	IP-NU
7	1 st ILNU International Moot Court Competition	13 th -15 th April, 2012	IL-NU
8	Training on Tivoli Directory Service for students and faculty.	January 2012	IT-NU

- **NU** **Nirma University**
- **IT-NU** **Institute of Technology, Nirma University**
- **IM-NU** **Institute of Management, Nirma University**
- **IDS-NU** **Institute of Diploma Studies, Nirma University**
- **IP-NU** **Institute of Pharmacy, Nirma University**
- **IS-NU** **Institute of Science, Nirma University**
- **IL-NU** **Institute of Law, Nirma University**