



NIRMA
UNIVERSITY

Nirma University

Newsletter

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Flash News

Nirma students win national acclaim



Brian behind the project, (L-R) Moksha Udani, Antrix Patel and Shreya Gupta, final year students of chemical engineering department, Nirma University

DHWANI PATRAK

A team of three students of Nirma University, who have been working on a project to develop and reduce the cost factor of manufacturing Aceclofenac — a drug that works as pain relief, are already making a mark in the field of pharmacy.

Moksha Udani, Shreya Gupta and Antrix Patel, final year students of chemical engineering department — under the guidance of their professor Sanjay Patel, have been working on

a process to develop Aceclofenac synthesis and its cost optimisation. This drug is costlier than Diclofenac, a widely used anti-inflammatory drug that has side effects such as gastrointestinal problems, etc. Aceclofenac is more effective pain relief than Diclofenac and has no side effects.

The trio has bagged various awards for this project: A fellowship from Consultancy Development Centre by the Government of India, Innovative Students Project award by Indian National Academy of Engineering (INAE) Delhi, Kerala Government

Engineering Design National Award given by ISTE (Indian Society for Technical Education) and first prize in paper presentation in a national level technical symposium held at Vishwakarma College, Chandkheda.

"The basic aim of this project was to develop a process for Aceclofenac — an active pharmaceutical ingredient (API). Our present project deals with the process development and cost optimisation of aceclofenac synthesis," explained Moksha.

Said Shreya, "The patented process available for it, uses one of the major reactant which needs to be imported. This, therefore, becomes a costly affair and the patent does not even give detailed description." Through this method, the costlier raw material has been replaced with a cheaper raw material which is locally available and has no side effects. "Diclofenac costs Rs 20 while aceclofenac costs Rs 40. This ratio varies from 1:1.5 to 1:2, depending on brands," said Moksha.

The aim is to turn this into a commercialised product. Said Antrix, "The final product has been developed after carrying out various experiments, within the norms laid by the Indian Pharmacopoeia and thereby the product can be supplied to the domestic market to start with." The trio aims at starting their own pharma industry in the next four years.



Mr. Antrix Patel



Ms. Shreya Gupta



Mr. Moksha Udani

National Consultancy Research Fellowship, 2009-2010, by Consultancy Development Center of Ministry of Science & Technology, Govt. of India is given to B.Tech. project "Process Development of Aceclofenac" guided by **Prof. Sanjay S. Patel**, Chemical Engineering Department, IT-NU, May, 2010. Students involved in the project are - **Mr. Antrix Patel, Ms. Shreya Gupta, Mr. Moksha Udani**



Prof. Sanjay S. Patel

From the Director General's Desk

From the Director General's Desk

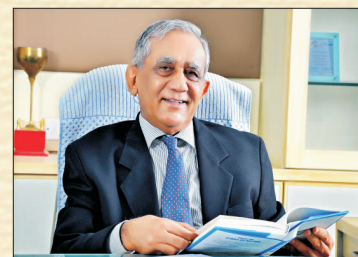
It has become a challenge to remain relevant in the fast changing world of academics. At this juncture, I foresee collaboration as a significant lever to deal effectively with the same. In the first place, tie-ups with foreign universities will broaden the horizon of recognition and also help to stand pose suitability across world. Secondly, the academic fraternity is striving hard to try out innovative pedagogies where synergies between universities can realize their efforts. Finally, the intrinsic rewards in the form of making the teaching job more enjoyable can happen only through authentically collaborative way. Bearing these objectives in the mind, we visited various universities abroad and have discovered following key areas for collaboration:

1. Joint undergraduate programmes
2. Summer projects
3. Summer research programmes
4. Multidisciplinary research programmes
5. New Software for teaching learning process
6. Minor programmes viz.miniMBA
7. Student/research scholars exchange programme
8. Offering elective courses for degree programmes
9. Various hybrid and bridge programme

We are confident to catch up with the trends/ different perspective happening in the world and pass on the new learning strategies with enthusiasm to reach, motivate and inspire our students. The teaching process should be such that our students may apply the concepts for solving problems of mankind and upgrade their quality of lives.

Deepawali Wishes!

Dr. N. V. Vasani



Editorial

A written word is powerful. It can record the present and survive for centuries. Nirma University Newsletter is a successful tool that depicts its activities to the outside world.

The recent months saw pioneering efforts for networking initiatives with some of the top universities of the world. This magnification will certainly make the standing of Nirma University stronger worldwide.

This issue has an article, "Effective Strategies for Enhancing Excellence in Higher Education" under the feature - In-Focus. This article principally highlights the strategies required to uphold the standards in higher education by Dr. K Kotecha, Director, and Institute of Technology.

The issue unfolds the activities of students' clubs on campus and orientation programmes conducted for newly admitted students. Furthermore, it includes the initiations for promoting interdisciplinary researches to strengthen the existing network with collaborative studies and research projects. In addition, news at a glance, dignitaries on campus, MoU and ranking are some of the focal features of this issue.

"The road of life twists and turns and no two directions are ever the same. Yet our lessons come from the journey, not the destination." Don Williams, Jr.

Enjoy Reading!

Dr. Monica Rao

News at a Glance

MoU Signed

Dr. Iliyan Ivanov, Dean, Faculty of Chemistry, University of Plovdiv, Dr. Manjunath D. Ghate, I/c Director, Institute of Pharmacy, Dr. N. V. Vasani, Director General, Nirma University and Shri D. P. Chhaya, Executive Registrar, NU while signing memorandum of understanding between Nirma University and Faculty of Chemistry, University of Plovdiv, Bulgaria, 9th September, 2010 to build common interest in teaching, research projects, seminars, workshops, student and faculty exchange programmes.



Ranking

- CSR-GHRDC Engineering College Survey, August, 2010 issue has ranked Institute of Technology 2nd among top engineering colleges of excellence and also 16th among overall ranking among top 76 best engineering colleges of India.
- Institute of Management, Nirma University is overall ranked as A-I and among the top 16 best B-Schools in the country by AIMA BS Best B-Schools survey published in Indian Management, October 2010.
- Institute of Management is ranked as the 14th Best B School in the country by The Week-MaRS survey published in The Week Magazine, October, 2010.

Networking Initiatives

Dr. N. V. Vasani, Director General and Dr. K Kotecha, Director, Institute of Technology visited the following leading universities of USA for exploring the possibilities of tie up with NU. 1. University of Southern California, 2. University of California, Berkeley, 3. Stanford University, 4. Rice University, 5. Duke University, 6. Rutgers University, 7. Illinois Institute of Technology, 8. Columbia University, 9. Florida Atlantic University, 10. Dextrel university



University of Southern California



San Francisco (Alumni meet)



Rice University



USC Berkeley



Duke University



Rutgers University



Illinois Institute of Technology, Chicago

Dignitaries on Campus

Dignitaries Visited

- Shri. Dushyant Dave, Sr. Advocate, Supreme Court of India, July, 2010, IL-NU
- Mr. D. R. Dhariwal, President, Grasim Industries Ltd., July, 2010, IT-NU
- Dr. Eileen Peacock, Vice President, AACSB, International Chief Officer, Singapore, August, 2010, IT-NU.
- Ms. S. Jayabalan, Marketing Director, London School of Business Management, London, August, 2010, IM-NU.
- Ms. Ketharina Holst, Siemens Professional Education, Germany, August, 2010, IT-NU
- Prof. Vijay Modi, Professor of Mechanical Engineering, Columbia University, September, 2010.
- Mr. Damien Farrell, Director, International Global School of Applied Management, Melbourne University, Australia, September, 2010, IM-NU



Ms. Gauri Wagenaar, Chief Representative of The Netherland Business Support Office (Gujarat), August, 2010, IT-NU.



Mr. Ho Ee Hong (Centre), Area Director - India, Singapore, August, 2010, IT-NU.



Dr. Vikas Kumar, Department of Biological Sciences, Washington University School of Medicine, USA, "Neuro-Biochemistry", IS-NU, 7th July, 2010,

Lectures Delivered

- Hon'ble Justice Shri R. A. Mehta, "Importance of Administrative Law", IL-NU, 2nd July, 2010.
- Dr. Stoyanka Nikolova, University of Plovdiv, Bulgaria, "Synthesis of Simple Isoquinolines, B-carbolines and their Derivatives with Potential Biological Activities", IP-NU, 1st September, 2010.
- Dr. P. N. Bhagwati, Chairman, Bhagwati Group of Industries, "Importance of casting in manufacturing process, role of computer simulation in casting process and overall advantages of choosing foundry technology as a career", IT-NU, 15th September, 2010.
- Mr Alay Desai, Director of Business Development, Microsoft-USA delivered a lecture, 'Role of Business Developer in the Corporate World', IM-NU, 23rd September, 2010.



Hon'ble Justice, C. K. Thakker, former judge, Supreme Court of India, "Importance of Interpretation of Statutes in Law", IL-NU, 3rd July, 2010,



Hon'ble Shri. Kamal Trivedi, Advocate General, Government of Gujarat, "Intersection between Life and Law", IL-NU, 17th July, 2010,



Dr. Surobhi Lahiri, Department of Biological Sciences, Mississippi State University, "Plant Pathogenesis", IS-NU, 7th July, 2010.



Shri Y. J. Trivedi, Sr. Advocate, "Practical Aspects of Intellectual Property Rights", IL-NU, 4th July, 2010.



Shri. Mihir Thakore, Sr. Advocate High Court of Gujarat, "Amendability of the Constitution: The right to property and basic structure of Constitution", IL-NU, 7th August, 2010.



Dr. Michael Morris, Director for Community Learning & Public Service, USA, addressed the audience, "A Matter of Perspective – Social Responsibility, Youth Participation or Civic Duty", IM-NU, 13th August, 2010.



Dr. S. Chandrasekhar, Dy. Director, Indian Institute of Chemical Technology (IICT), Hyderabad, delivered plenary lecture, "The Role of Organic Chemist in Drug Discovery: From Chirality to Automation.", IP-NU, 9th September, 2010.



Dr. Bipin Pandey, Vice President & Head, CMC & NPR Department, Zydus Research Centre, Ahmedabad, delivered plenary lecture "The Role of CMC in Drug Development for DS and DP", IP-NU, 9th September, 2010



Mr. Rishikesh Raval, Head, Human Resource Management, Zydus Cadila Healthcare Ltd., Ahmedabad delivered a lecture entitled "Current Pharmaceutical Scenario and Challenges ahead", IP-NU, 24th July, 2010



Prof. Nand Kishore, Head, Dept. of Chemistry, IIT Bombay, delivered plenary lecture, "Quantitative Understanding of Bio-molecular Interactions: Protein Folding Intermediates and Drug-Protein Interactions, Recent Trends", IP-NU, 9th September, 2010



Advocate Nandish Chudgar, Gujarat High-Court, Banking and Insurance, at IL-NU, 2nd July, 2010



Advocate M. I. Merchant, Gujarat High-Court, 'Important Provisions of The Trust Laws', 3rd July, 2010



Mr. Ashwin V. Parikh, Managing Director, International Business Development delivered a speech on "From Nowhere to Now-Here" on 12th August, 2010, IP-NU.



Dr. Shailendra Goswami, Vice President, Clinical Research, Cadila Pharmaceuticals Ltd., Seminar on "Bioequivalence and Pharmacovigilance" on 14th August 2010 at the IP-NU.

Spiritual Discourse

Shri. Akshar Vatsal Swami, BAPS, Ahmedabad delivered an expert talk on "Faith in self", 14th September, 2010, IT-NU.



Shri S. G. Das, Akshaypatra Foundation, Ghandhinagar delivered a speech entitled "Focus" on 13th August, 2010, IP-NU.

- Dr. Vikas Shirsath, Chief Scientific Officer, Oxygen Healthcare Research Pvt. Ltd., Ahmedabad delivered a talk on "Pharma Industry: Expectations & The Road Ahead" on 14th August, 2010, IP-NU.
- Dr. Appaji Mandhare, AGM, Department of Medicinal Chemistry, Torrent Research Centre, Ahmedabad, delivered a talk on Molecular modelling techniques in drug discovery on 21st August, 2010, IP-NU.

Research & Development

Minor Research Project & funded by Nirma University

- Prof. Nrupesh Patel, IP-NU, "Analytical Method development of selected H1 Receptor Antagonists", July, 2010
- Prof. Vivek Vyas, IP-NU, "Synthesis and Pharmacological Evaluation of some substituted heterocyclics as anti-cancer agents", July, 2010
- Prof. Nagja Tripathi, IP-NU, "Designing of a polyherbal formulation for metabolic disorder", July, 2010
- Prof. Jigar Shah, IP-NU, "Formulation Approaches for Controlled Release Dosage Forms of Ocular Delivery of Levofloxacin", July, 2010



Events

National Seminar on Recent Advances in Drug Discovery



Dr. Hardik G. Bhatt, Prof. Manjunath D. Ghate, Shri Ketan Patel, Shri K. K. Patel and Prof. Anuradha K. Gajjar at National Seminar on "Recent Advances in Drug Discovery", 9th September, 2010, IP-NU

Independence Day Celebration



Hon'ble Justice, M. B. Shah, former judge of Supreme Court of India, was the Chief Guest on Independence Day, Nirma University

Career counseling

Lecture sessions on "Career orientation & Placement Perspectives for Diploma Students", IDS-NU, 19th July 2010.

Panel Discussion

Prof. (Dr.) Vidyut Joshi, Advocate Prakash Thakkar, Dr. Ila Pathak and Dr. Lajwanti Chatani were the Panelist at Panel discussion, IL-NU, 11th September, 2010

Orientation Programmes, 2010



Prof. Tara Mehta, Eminent Prof. in Nutritional Biochemistry from Department of Biochemistry, M.S. University, Baroda was the Chief guest during Orientation Programme, IS-NU, 5th to 6th July, 2010



Mr. Mukesh Patel, International tax expert, inaugurated the orientation session with his inspirational lecture, IL-NU, 18th July, 2010



IP-NU organized Orientation Programme for B. Pharm. and M. Pharm. students, 12th to 17th August, 2010. The chief guest for the inaugural function was Dr. Bhaswat S. Chakraborty, Senior Vice President, Cadila Pharmaceuticals Limited.



Dr K Kotecha, Shri. S. B. Bangayach, Managing Director, Sintex Industries Ltd., Dr. N. V. Vasani and Prof. Samir Patel during B.Tech. Orientation Programme, IT-NU, 26th July, 2010



Prof. S. C. Sahastrabudhe, Prof. S.N. Pradhan, Dr K Kotecha and Dr. H.V. Trivedi during M.Tech. Orientation Programme, IT-NU, 24th July, 2010



IDS-NU organized Orientation Programme for the new entrants of 2010 batch, 16th – 18th August, 2010. The chief guest for the inaugural function was Shri Piyushbhai Shah

Annual Lecture Series



Dr. Rajeev Dhavan, Sr. Advocate, Supreme Court of India, delivering a talk "Indian Constitution: 60 Years", Dr. Purvi Pokhariyal, Shri Ambubhai M. Patel, 31st July, 2010, IL-NU.

Executive Development Programme (EDP)



EDP, IM-NU 12th Batch was inaugurated by Shri. Anil Johari, Executive Director, ONGC Ahmedabad, 4th July, 2010, IM-NU. Shri. Johari lauded Nirma University's commitment for the society by offering Executive Education for the 12th time in a row. This year, EDP is offered in the areas of Marketing, Finance and Operation Management.

Workshop



Two day workshop on "Modern Equipments for Formulation Development" was organized on 19th - 20th August, 2010, IP-NU. The workshop was inaugurated by Prof. Mukesh C. Gohel, Principal, L. M. College of Pharmacy, Ahmedabad.

In Focus

Effective Academic Strategies for Excellence in Higher Education

Dr. K Kotecha, Director, Institute of Technology, Nirma University



According to The National Knowledge Commission (NKC), higher education has made a significant contribution to economic development, social progress and political democracy in independent India. Still the prosperity of India vision-2020 depends upon key elements-education and knowledge. Our country is confronting with grave babbling problems in the field of higher education. As such there is burning need in the education sector for transformation in a way so as to ensure its great partnership in the development of India. Today, we are standing at a unique cross-road. One voice calls for need of globally competitive knowledge centres and the other to measure up with the rising expectations from the various stakeholders of academia. Change in education methodologies is a must and a natural process. Reforms are must to improve the methods of disseminating knowledge for not only economic dominance but also for overall development of India.

One of the most important key elements of academic process is - faculty. So, to improve the process, the step should start

by treating the soul of the system. As such, a faculty is offered countless workshops, seminars, retreats and other training opportunities under the assumption that it can support effective teaching methods which in turn will percolate down to the students. But the empirical evidences are not favourable. They conform that this kind of training does not make a significant and lasting impact on teaching. Further more, we neglect the psychological consequences of the learning process that currently prevails in our institutes. We believe in 'tough standards' theory and always eye on favourable results. In this entire process, the impress should be on the quality of the process but not on the outcome. The time has come to realize the gravity of the present situation, recognize the solution and support the necessity of fundamental change as prudently suggested by NKC.

Another matter of deep concern is that the goal of teaching-learning differs sharply from the goal of students. The very basic issue is to keep students mentally productive throughout the class and to save them from lecture fatigueness. We need to say goodbye to all worn out methods and practices of the yesteryears that promotes to bookish and rote learning. The present system caters to rote learning that has unfortunately taken precedence over the more important qualities of analytical, reasoning, logical thinking, vision and problem solving skills. Student's involvement in the teaching process is the need of the hour. The measures should be taken to ensure active participation of the students thereby making the environment learner-centric over teacher-centric. When we talk of relevance of course curriculum to life skills, it has various dimensions associated with. Especially for engineering education, the course needs to be reengineered in a manner that it promotes learner-friendly, contemporary and research

driven activities. Its objective should be such set that it nurtures team dynamics among the learners alongwith a feeling of social accountability from the very beginning of their professional studies. The reformed methods should take optimum benefit of technology available for more clarity and ease in the teaching-learning process. It should provoke students' insight, thought process, ability to solve problems related to common man and upgrading their living standards. For this, interdisciplinary approach will be very apt to hone their creativity and innovative skills. Most importantly, the academic projects and assignments should be such designed that it involves their complete indulgence and reinforcing the application of fundamental theoretical concepts. Implementation of all these require set up of a dedicated centre/cell where basic facilities of all disciplines are available. The outcomes of such interdisciplinary cells installed in some of the foreign universities are simply amazing in terms of designing and developing cost effective products/services.

There is a further need to have synchronous environment to enhance the teaching-learning process where students and faculty can have ample scope to explore uncharted territories beyond the four walls of class rooms and boundaries of course curriculum. Academic/non-academic projects of creativity and innovation should be adequately funded to overcome financial constraints. Room for community service may be encouraged to inculcate social awareness among students and faculty.

In addition to above, it is time to wake up and make reformatory measures in the exam patterns which can scale the level of knowledge of a student in a tangible way. Now, we can no longer afford to remain complacent with archaic and didactic process of assessment pattern. Rather, it should be testing their comprehension and assimilation of concepts, application of concepts and knowledge of the subject. The question papers should be designed to evaluate their above skills rather than memory based learning. Grading should not be done in an arbitrary fashion or determined by a broad image of the student but a rationale one. A provision of comprehensive feedback should be made that can give opportunity to students for improvement through comments from the teacher conveyed in writing or in personal discussion. Moreover, such feedback will be relevant only if it is given immediately after the exam without much delay.

Overall, the present scenario of higher education in India offers a plethora of opportunities in the coming decades. All we need is to identify plagues in our education system and once the populace is enlightened it should find clear ways to implement the same. Active participation and acceptance should come from all the key elements of academic process right from faculty to student for realizing the redesigned course model in the benefit of mankind. It's high time that academic leaders should come forward to devise and implement new strategies and set higher standards in the academic world. As it is the ability of the leaders, to understand what has happened, is happening and may yet happen. And those who will grab the opportunity first and take proactive measures will be the winners.



Staff Corner

Faculty Achievements

- **Prof. R. N. Patel**, IT-NU, filed patent, ¹⁹th April, 2010 for the invention "Production of potable water from highly saline sub-soil brine in salt works using exhaust waste heat from diesel engine employed round the clock during salt manufacturing season to charge the salt pans with sub-soil brine", Patent No. 0071NF2010.



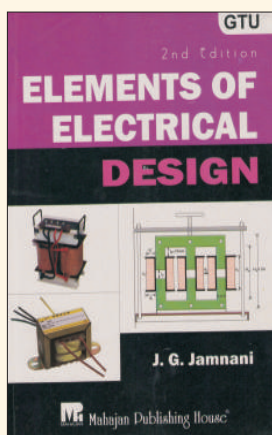
- **Prof. P. S. Vellala**, IT-NU received best research paper award 'Global Recession and the Validity of Decoupling Hypothesis', Gardi Vidyalaya, International Conference, 'GVICOM-10' Rajkot, February, 2010



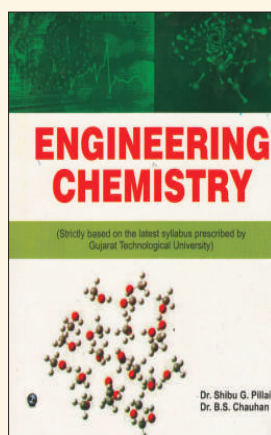
Faculty Recognitions

- Prof. Deepak Srivastava, IM-NU: Editorial reviewer board member, Asia Pacific Management Review, Taiwan; IMT Case Journal, IMT, Nagpur and SDMIMD Journal of Management, Mysore.
- Prof. Pawan K. Chugan, IM-NU, Country Co-chair – India, GBATA's 13th International Conference to be organized by Global Business and Technology Association (GBATA), State University of New York at Old Westbury, 12th to 16th July, 2010 at Istanbul, Turkey. He has also been elected as Vice-Chairman of Indian Society for Training and Development (ISTD), Ahmedabad Chapter for 2010-11.
- Dr. Hardik G. Bhatt, IP-NU, reviewer for Medicinal Chemistry Research, August, 2010.
- Prof. Vivek Vyas, IP-NU, reviewer for Letters in Drug Design & Discovery (LDDD), and International Research Journal of Biotechnology (IRJOB), August, 2010.
- Dr. Sriram Seshadri, IS-NU, Editorial Board Member for Journal of Biotechnology and Pharmaceutical Research (JBPR), August, 2010.
- Dr. Sriram Seshadri, IS-NU, reviewer for Archives in Clinical Microbiology in August, 2010.
- Prof. Vijay Kothari, IS-NU, reviewer for Journal of Veterinary Medicine & Animal Health, and African Journal of Agricultural Research. August, 2010
- Dr. Sriram Seshadri and Prof. Vijay Kothari, IS-NU, member of Emerald Literati Network, August, 2010.

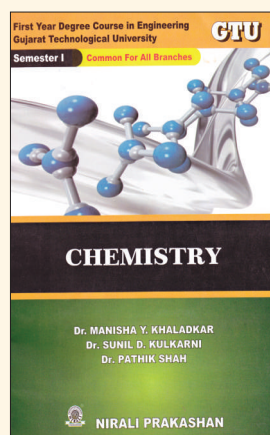
Book Published



Prof. J. G. Jamnani,
IT-NU,
"Elements of Electrical
Design", July, 2010



Dr. Shibu G. Pillai,
IT-NU,
"Engineering
Chemistry",
August, 2010.



Dr. Pathik Shah,
IDS-NU,
"Chemistry",
August, 2010.



Prof. Priyanka Sharma, Mr. Siddharth Khasgiwala
and Dr. K. Kotecha, IT-NU, "Enhanced Routing
in Wireless Network using Ant
Colony Optimization", September, 2010.

Publications in Journals / Magazine

- **Dr. Mayur Patel, Dr. Tejal Shah and Dr. Avani Amin**, IP-NU, "Studies in formulation development and evaluation of floating drug delivery system of Metformin HCl", Medical Data, Vol. 2 (2), June, 2010.
- **Dr. Tarun Arora**, IL-NU, 'Suchita Srivastava and Anr v. Chandigarh Administration paving the way for recognition of Reproductive Rights of Mentally Retarded Women', Legal News and Views, June, 2010.
- **Prof. Paresh D. Patel**, IT-NU, "Study of Performance and Exhaust emissions of a 4 stroke 4 cylinder diesel engine using estrified Jatrophia, Mustard and Palm oil", International Journal of Advances in Thermal Sciences and Engineering, Vol. 1 (1), pp 51-56, June, 2010
- **Dr. Tarun Arora**, IL-NU, 'Thayer's Doctrine of Judicial Review: Judicial Exposition in India', Orient Journal of Law and Social Sciences, Vol 4, (7), pp 19-26, June, 2010.
- **Prof. Sameer Pingle**, and **Prof. Jindal, Aashish**, IM-NU, "Agrwal Foundry and Engineering Works", European Case Clearing House (ECCH), UK, Registration No:310-137-1, 310-137-8, July, 2010.
- **Prof. Tejas B. Mehta and Prof. Pooja P. Shah**, IT-NU, "Handling Fuzzy SQL on Crisp databases using Lex and YACC", International Journal of Computer Applications, Vol. 2 -pp 5-8, July, 2010.
- **Dr. Tarun Arora**, IL-NU, 'Laxmi Mandal v. Deendayal Harinagar Hospital and others: An Appeal of Indian Judiciary to Bureaucratic Conscience', Orient Journal of Law and Social Sciences, Vol 4 (8), pp 30-39, July, 2010.
- **Dr. Tarun Arora**, IL-NU, 'Appraisal of Doctrine of Vicarious Liability under the Water (Prevention and Control of Pollution) Act, 1974', Gujarat Law Reporter, Vol. 2, pp 121, July, 2010.
- **Prof. Sameer Pingle**, and **Prof. Sumeet Arora**, IM-NU, "Adaptability, Compatibility, and Role perception of faculty Members in Management Institutes- A Pilot Study", WIM Journal of Management, Warangal, Vol.2 (1), pp.19-33, July, 2010.
- **Prof. Sameer Pingle**, IM-NU, "Factor Analysis of Adaptability, Compatibility and Role Perception of Faculty Members of Management institutes in Maharashtra", Journal of Institute of Environment and Management, Lucknow, Vol. 3(2), pp. 50-56, July-December, 2010.
- **Dr. Shital Bariya**, IP-NU, "Formulation of Once a Day Matrix Tablet of Venlafaxine Hydrochloride Using Polyethylene Oxide", Journal of Pharmacy Research, Vol 3(8), Page No.:1848-1852, August, 2010.
- **Prof. Jigar Shah**, IP-NU, "Effect of permeation enhancers on the iontophoretic transport of metoprolol tartrate and the drug retention in skin", Drug Delivery-Informa Healthcare, Vol.1(7), August, 2010,
- **Prof. Vijay Kothari**, IS-NU, "Antioxidant Therapy: Potential and Limitations", International Journal of Medical Sciences and Technology, Vol. 3 (4): 25-36, August, 2010.
- **Prof. Vijay Kothari and Dr. Sriram Seshadri**, IS-NU, "Antioxidant activity of M. zapota and C. limon seeds", Journal of Natural Remedies, Vol. 10 (2): 175-180, August, 2010.
- **Dr. Manish Solanki**, IDS-NU, "Microwave assisted synthesis of N-substituted Pyrimidines using $AlCl_3$ as catalyst and their antimicrobial activity", Der Chemica, 2010, 2(4): 361-368 published by Scholar research library Vol. 2 (4), pp. 361- 368, August, 2010.
- **Prof. Purvi Pokhariyal**, IL-NU "Protection of Trade Secrets and Confidential Information under TRIPS: An Unfinished Agenda for India", Legal News and Views, Vol. 24, September, 2010.
- **Dr. Tarun Arora**, IL-NU 'A Note on Polluter Pay Principle with reference to Reiteration in Solanki Jaswant Sinh Kalusinh v. District Collector, Himmat Nagar & Ors.' Legal News and Views, September, 2010.
- **Prof. Kuntal Manna**, IP-NU, "Design synthesis, and antitubercular evaluation of novel series of 3-benzofuran-5-aryl-1-pyrazolyl-pyridylmethanone and 3-benzofuran-5-aryl-1-pyrazolylcarbonyl-4-oxo-naphthyridin analogs", European Journal of Medicinal Chemistry, Vol. 45, pp- 3831-3839, 2010.
- **Prof. Deepak Danak**, IM-NU 'The Divine Side of Enterprise', Journal of Human Values, Vol. 16(1) 2010.

Papers Presented in International Conference

- **Dr. Sari S. A. Mattila**, IM-NU, anchored a module on Business Ethics for an international group of participants, Tampere University of Technology, Finland May, 2010.
- **Dr. Sari S. A. Mattila**, IM-NU, "Teaching Corporate Governance through Experiential Learning", EBEN Research Colloquium 2010, University of Tampere, Finland, 14th - 16th June, 2010.
- **Dr. Sari S. A. Mattila**, IM-NU, 26th EGOS Colloquium 2010, "Wise Organizations, Unwise People Or the Other Way Around?", Faculdade de Economia, Universidade Nova de Lisboa, Lisbon, Portugal, 29th June - 3rd July, 2010.
- **Prof. Vaishali H. Dhare**, IT-NU, "Development of Controllability Observability Aided Combinational TPG with Fault Reduction", 1st International Conference, Chennai, July, 2010.
- **Prof. Dhaval Pujara**, IT-NU, "Computation of polarization radiated by an elliptical feed horn" IEEE International Symposium on antennas & propagation & CNC-USRI\USRI Radio Science meeting, Toronto, Canada, July, 2010.

- **Prof. Anurag Kandya**, IT-NU, “Innovations in Green Building Technology using Bamboo: A Thermal Perspective of Bamboo Concrete Composite and Bamboo Penthouse” 6th International Engineering and Construction Conference (IECC'6), Cairo, Egypt, July, 2010.
- **Prof. Tanish Zaveri**, IT-NU, “A Fuzzy based hybrid multispectral image fusion method using DWT”, 10th International conference on Hybrid Intelligent Systems(HIS'10), Atlanta, USA, Aug, 2010.
- **Dr. Sari S. A. Mattila**, IM-NU, “The Power of Value: Whose value and where?”, Power & Knowledge, 2nd International Conference, University of Tampere, Finland, 6th–8th Sep, 2010.
- **Prof. Parna Mukherje**, IL-NU, “The contemporary environmental issue of “EIA Scams: Decaying the EIA Legal Regime in India”, 3rd International Congress of Environmental Research - ICER-10, University of Mauritius, Reduit, 16th, Sep, 2010
- **Prof. Sameer Pingle & Dr. Shrabani Bhattacharjee**, IM-NU, MSMES 2010, “Critical Analysis of HR Practices in SMEs”, IMT – Nagpur, 17th Sep, 2010.



Ph.D. Awarded



Dr. Mayur M. Patel, IP-NU, Design, Development and Optimization, Nirma University of Colon Targeted Drug Delivery System



Dr. Bhoomika R. Goyal, IP-NU, Effect of spironolactone and telmisartan, Gujarat University on cardiovascular complications



Dr. S. C. Vora, IT-NU, Novel Methods for Estimation of Static Nonlinearity of High-Speed High-Resolution Waveform Digitizers, Indian Institute of Science (IISc), Bangalore



Dr. D. M. Adhyaru, IT-NU, Robust-Optimal Control framework for nonlinear systems, IIT, Delhi

Students' Corner

Students' Achievements

- Dr. Hitesh Gaur, IM-NU, awarded as Best Retractor for the year 2009-10, IM-NU club, 3rd July, 2010.



Ms. Venu Nanavati, IL-NU, selected as best speaker, 10th Henry Dunant Memorial Moot Court Competition, Indian Society of International Law (ISIL) and International Committee of the Red Cross (ICRC), New Delhi, 12th September, 2010.



Ms. Tanvi Dhamija (Centre), IM-NU, received 3rd prize, “MART and LG Global Awards for Management students for best summer projects in Inclusive Marketing”, 15th September, 2010, Delhi with a cash prize of Rs. 25,000/- .

Students' Corner

Paper Publication

- **Natasha Sutaria** and **Tirth Nayak's** article on 'Competition law in relation to energy sector' for Licito Concursa 2010 organised by India Law Journal.
- **Mayur V. Dhotre**, IL-NU, "Res Judicata : Its general Notions and Applicability in Writ Proceedings", Gujarat Law Reporter, Vol 2 (7), July, 2010.

Paper presented at International Conference

- **Shriya Jain, Venu Nanavaty** and **Radhika Jagtap** presented a paper on "Emergence of Refugees in Non International Armed Conflict: Its implications on the host state and the role of UN" at International Law Students Association Annual Summer Conference, held from 7th to 10th July 2010.
- On 26th August, 2010, students namely **Prannoy Shekhar, Dwip Rachchh, Yash Sampat, Rushabh Shah** and **Garima Prakash** represented Institute of law at Ahmedabad Management Association in an event organized by Research Foundation for Governance in India. Chaired by **D.R. Kartikeyan** (Former DG, Central Bureau of Investigation and Former chairman of NHRC) on the topic "Paradoxical Indian Legal System - The root cause of unabated corruption".

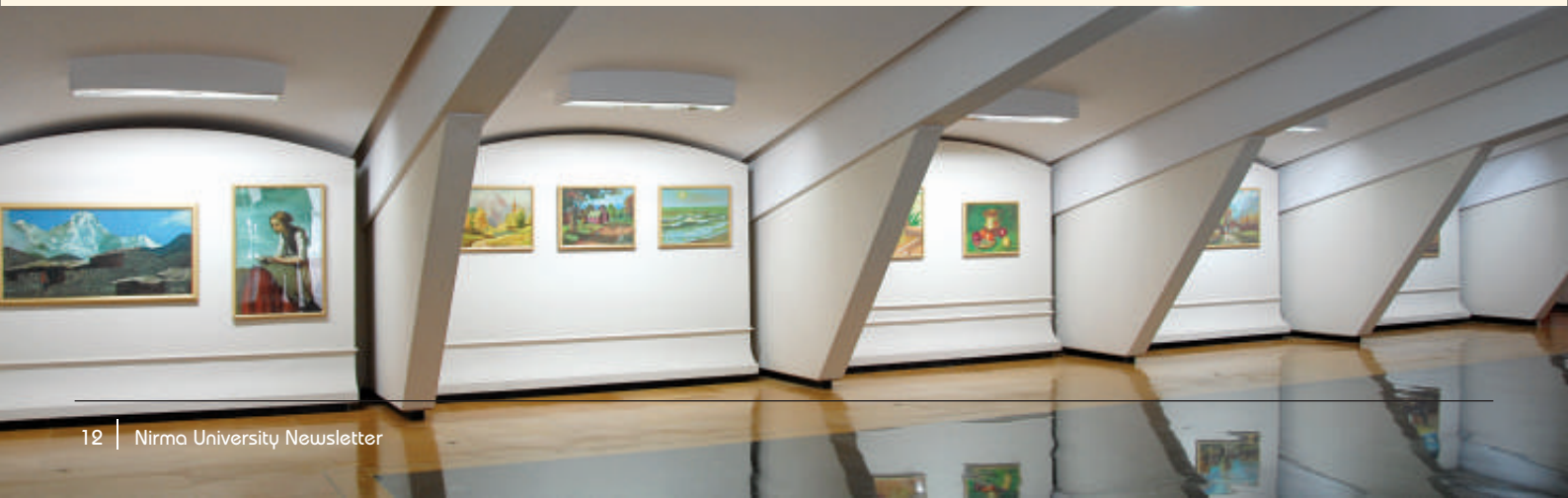
Alumni News

- IM-NU, organized alumni meetings in seven cities Bangalore, Delhi, Mumbai, Chennai, Pune, Hyderabad and Calcutta, 12th September, 2010. 140 Alumni participated in the various meetings.

Industry Interface

Management Conclave: Prayaag 2010

Annual Management Conclave, Prayaag – 2010 was conducted from 19th –21st August, 2010. The theme of the conclave was "Business Models 2015: Thinking Beyond the Obvious". Prominent corporate speakers from Infrastructure, telecom, financial services, pharmaceuticals, petroleum, information technology and FMCG companies across the country attended the event. The event was inaugurated by Mr. Arvind Uplenchwar, CEO, PMC Projects India Pvt. Ltd. He presented his views on future perspective of concerned areas. The other speakers of the event were: Mr. Hanumant Lal Shukla, Head of Sales - Gujarat, AVP, Idea Cellular, Mr. Satya Tiwari, Head - Contract Sales Organisation, Novartis India Limited, Mr. Sunil Khiani, Associate Director, The Nielsen Company, Mr. Divyesh Desai, Marketing Manager, Hazira LNG Private Limited (Shell India), Mr. Vaibhav Kathju, Vice President & Head- Insurance, Religare Macquarie Private Wealth, Mr. Prakash Dhoot, Vice President & Head - Finance, Motilal Oswal Private Equity Advisors, Mr. Ashok Kumar, Vice President, Cisco Services – India and SAARC.



Management Development Programme (Open) 2010-11

No	Name of the Programme	Date	Programme Leader
1.	Customer Experience Management	15 th -17 th , July, 2010	Dr. Rajnish Jain, Dr. Jayesh Aagja
2.	Managerial Skills for Technical Professionals	22 nd -23 rd , July 2010	Prof. Harismita Trivedi
3.	Interviewing Skills	5 th -6 th , August 2010	Prof. Harismita Trivedi, Prof. Sameer Pingle
4.	Finance for Non-finance Executives	11 th -13 th , August, 2010	Dr. Deepak Danak

Management Development Programme (In -House) 2009-10

No.	Name of the Programme	Date	Programme Leader
1.	Alstom Projects Ltd. (Effective Communication & Interpersonal Skills for Technical Professionals)	24 th -25 th , June, 2010	Dr. Nityesh Bhatt, Dr. Prabhat Yadav
2.	Gujarat State Fertilizers and Chemicals Limited (Finance for Non-finance Executives)	27 th -28 th , July, 2010	Dr. Deepak Danak, Prof. Devesh Baid

Kalpitaru Power Transmission

A 26 week "Management Education Program" on general management for Kalpitaru Power Transmission, started on 15th September, 2010 at Kalp Vriksh—Learning Center for Kalpitaru Power Transmission, Gandhinagar. The program covered areas like Organization behavior, Operation management, Marketing management, International business, Information technology, Finance and accounting and Strategic management.

Consultancy Work carried out by the Faculty / Department

Faculty /Department	Consultancy Project	Organization
Prof. J. G. Jamnani, Electrical Engineering, IT-NU	Computation of design parameters (RI, ES Field and TVI) for 400 kV double circuit EHV transmission line with quad moose conductor and ROW = 46m	Kalpitaru Power Transmission Limited, Gandhinagar
Prof. V. R. Iyer, Dr. D. S. Sharma, Prof. D. V. Patel and Prof. D. B. Shah, IT-NU	FEA of Cryogenic Vessel	INOX India Limited

Co-curricular / Cultural / Extension/ Social Activities

Co-curricular

Technodysey

Dr. Haresh Bhatt (Chief Guest), Prof. N. P. Gajjar (Branch Counsellor), Dr. S. N. Pradhan (Branch Mentor), Prof. A. S. Ranade (HOD, Electrical Engineering Department), Parth Vyas (Chairperson, IEEE Student Branch, NU)



Co-curricular / Cultural / Extension/ Social Activities

Foundation Day



Hon'ble Justice, Bhagwati Prasad, Judge, High Court of Gujarat, was the Chief Guest at the foundation Day celebration. He felicitated the award winners and inaugurated newly constructed Moot Court Hall, 18th August, 2010, IL-NU.



6th Foundation Day of IS-NU was celebrated on 4th September, 2010. Dr. Krishanu Ray, Department of Biological Sciences, Tata Institute of Fundamental Research, Mumbai was invited for expert lecture.



IDS-NU celebrated its foundation day on 14th September, 2010. Various competitions and expert lectures were held on the day. Meritorious students of all branches of 2nd and 3rd year were awarded by the dignitaries.

Cultural Activities

Poster competition



"Anti-Ragging Poster Competition", IP-NU jointly with Students' Welfare Board and Anti-Ragging Committee, July, 2010.



"Women Empowerment", IL-NU, 18th August, 2010.

Treasure Hunt



Treasure Hunt, Rotaract Club of Nirma University organized treasure hunt to mark the arrival of first year batch, IT-NU, 6th August, 2010.

Montage



MONTAGE-Fusion of Arts, a talent night was organized by the Cultural Committee, IM-NU, 7th August, 2010. The event started off with traditional Saraswati Vandana followed by a number of dance performances, singing, skit performances etc.

Desh Rag



Desh Raag, a patriotic group song competition was organized in Nirma University, 14th August, 2010 by RCNI which included students from various disciplines- Engineering, Diploma, Pharmacy, Law, Management participating with full vigour and zeal to mark the celebration of Independence Day.

ROSTRUM



The cultural festival of IP-NU, ROSTRUM'10 was organized, on 18th and 19th September, 2010. Valedictory function was presided by Padmashri Upendrabhai Trivedi, doyen of Gujarati Cinema and Theatre, former minister of Cultural Activities, Gujarat state and former Deputy Speaker, Gujarat Legislative Assembly and Shri K K Patel, chief operating officer, NU were the Chief Guests. Various events like skit, drama, solo dance, duet dance, group dance, solo song, duet song, group song and AD MAD were held.



Vaudeville



Vaudeville - the annual cultural competition among all the nine branches of IT-NU was organized, 16th - 17th September, 2010.

Finesse Club Activities, IM-NU

- Prof. Vijay Mehta, Equity Capital Pvt Ltd, Ahmedabad conducted an interactive session with students including a lecture, "Basic Evaluation" followed by discussions, 15th August, 2010.
- Bombay Stock Exchange (BSE) officials in collaboration with Central Depository Services (India) Ltd (CDSL) conducted workshop 'The Investment Awareness Programme', 24th August, 2010.

Extension Activities

- Plantation activity, organized at Charrodi Prathmik Shala, by SAIT and the students of 3rd, 5th and 7th semester at IDS-NU on 2nd August, 2010

"Autocalypse"

- An automobile workshop for school students was organized by IT-NU, 6th-7th August, 2010. 130 students from top 15 English medium schools of Ahmedabad participated in this event. It included various events like expert lecture, hands-on training workshop, bike maintenance, quizzes and technical games.



Social Activities

- **SARAL:** SARAL is a social initiative by the students of IM-NU, to improve lives of kids of the construction worker residing outside Nirma Campus. Activities of SARAL during Jun 2010 – Sept 2010 are as follows: Academic: SARAL Team took the initiative of teaching the kids of labourers with basic education and values (sanskaar) one hour daily.
- **Cloth Drive:** IM-NU, students distributed unused clothes from their home. The clothes were distributed to all the workers and their kids on the campus.
- **Cultural:** The team trained group of kids of construction workers for performing dance and encouraged them stage performance on the occasion of Institutes' cultural festival – Talent Night'10.
- **Picnic to Kankaria Lake:** The team took 20 Kids to Kankaria lake for a picnic.. This was a first experience for them outside Nirma Campus.
- **15th August – Flag hoisting Ceremony:** All labourers' kids on the campus participated in the flag hoisting ceremony organized in the university. The objective was to instill the feeling of patriotisms for the country in which they are living in and update them about the history of India.



Rotract Club – Blood Donotaion Camp

Students from various institutes thronged the blood donation van for their contribution with noble cause



5th July, 2010, IM-NU



18th August, 2010, IL-NU

Forthcoming Major Events



1st International Conference on Current Trends in Technology - NUICONE 2010

09–11 December, 2010

TRACKS

- Computer Science & Engineering (CSE)
- Concrete and Structural Engineering (CONSE)
- Green Technologies for Chemical Process Industries (GTCPI)
- Instrumentation and Control Engineering (ICE)
- Mechanical Engineering (ME)
- Power Electronics, Machines & Power Systems (PEMPS)
- Signal Processing & Communication Engineering (SPC)
- VLSI Design & Technology (VDT)

For any other details, please contact-

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First National Seminar on 'Law Impact Assessment' Nirma University, Institute Of Law Annual National Seminar (NUILANS-2011)

21-22 January, 2011

SUBTHEMES

- Law Impact Assessment: Need, Scope & Methodology
- Impact Assessment of Socio-Economic Legislations
- Impact Assessment of Trade Related Laws
- Impact Assessment of Laws Relating to Women, Children and Other Marginalized Group
- Impact Assessment of International Instruments on Human Rights
- Impact Assessment of ADR laws in India.

For any other details, please contact:

Email Id:

il_nationalseminar@nirmauni.ac.in

10th Convocation

on 19th November, 2010



Dr. Hans Jürgen Hoyer,
Secretary General, International Federation of Engineering, Education Societies (IFEES, will grace the 10th Convocation, of Nirma University as Chief Guest.



January 6 – 8, 2011

14th Nirma International Conference on Management

Managing in Turbulent Times: Creativity, Innovation, Entrepreneurship, Leadership & Learnings

For any other details, please contact:

Email Id: E-Mail: nicom@imnu.ac.in

No.	Event Name	Date of Event	Institute
1.	Workshop on 'Heat Treatment of Steel'	15 th -17 th November, 2010	IT-NU
2.	Entrepreneurship Conclave	24 th -25 th , November, 2010	IM-NU
3.	STTP on 'Advances in Automobile'	27 th December-1 st December, 2011	IT-NU
4.	Recent Advances in Biochemistry & Biotechnology of Non-Infectious Human Disease	3 rd - 4 th , February, 2011	IS-NU
5.	National Seminar on 'Natural Products: Scope and Status by 2020	18 th -19 th , February, 2011	IP-NU



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