



NIRMA
UNIVERSITY

Nirma University

Newsletter

Quarterly Newsletter, Nirma University

Vol. 2 ■ Issue 2 ■ June, 2010

RANKINGS 2010



College of Engineering	City	Rank	Score
Institute of Technology, Nirma University	Ahmedabad	3.42	3.88
Govt. Model Engineering College	Kochi	3.80	3.60
PEC University of Technology	Chandigarh	3.60	4.00
Manipal Institute of Technology	Manipal	3.84	3.00
The National Institute of Engineering	Mysore	3.10	3.00
N S Rensselaer Institute of Technology	Bangalore	3.00	3.90

Preferred MBA colleges	
Ahmedabad	Mudra Institute of Communication
Ahmedabad	Nirma Institute of Management
Anand	Institute of Rural Management
Bhopal	Indian Institute of Forest Management
Goa	Goa Institute of Management

Rank	Engineering College	City	Technical Score (200)	Portfolio Score (200)	Industry Score (200)	Placement (150)	Infrastructure & General Score (200)	Total
23	UMUT, Jaipur	Jaipur	285	285	294	291	291	410
24	Nirma University	Ahmedabad	391	330	323	301	391	390

TOP 40 COLLEGES—OVERALL	
6.	Nirma Institute of Technology, Ahmedabad
7.	Jaypee Institute of Information Technology, Solan
8.	GITAM Institute of Technology, Vishakhapatnam
Top 10	
6.	Nirma Institute of Technology, Ahmedabad
7.	GITAM Institute of Technology, Vishakhapatnam
8.	PR. Gokuldas Institute of Engineering, Mumbai

Rank	Name of Institute	City	Overall Score
5	Manipal Institute of Technology	Manipal	690.3
6	Institute of Technology, Nirma Univ.	Ahmedabad	650
7	Thapar Inst. of Tech.	Patna	640

Rank	Name of Institute	City	Overall Score
23	PSG College of Technology, Coimbatore	Coimbatore	26
24	Nirma Institute of Technology, Ahmedabad	Ahmedabad	27
25	BMS College of Engineering, Bangalore	Bangalore	28

AWARD

Name	Location
Birla Vishvakarma Mahavidyalaya (Engg college)	Anand
Nirma Institute of Technology	Ahmedabad
Faculty of Tech & Engineering, MS University Baroda	Vadodara



Dr. Karsanbhai K. Patel, President, Nirma University receiving Padma Shri Award, 2010 from Her Excellency, Smt. Pratibha Patil, President of India

Rank	Name of Institute	P. Pvt	G. Govt	City
20	Manipal Institute of Technology	P		Manipal
21	College of Engineering (COEP)	G		Pune
22	Institute of Technology, Nirma University	P		Ahmedabad
23	NIT	G		Hamirpur
24	Thapar Institute of Engg & Technology	P		Patiala

RANKINGS 2010

- Ipsos, the world's third ranked research agency, Zee News and DNA has ranked Nirma University 16th among the top 20 Universities in India
- IM-NU & IT-NU are listed in most preferred management & engineering colleges respectively in West Zone, India by The Week magazine, 20 June, 2010
- MDRA survey has ranked IT-NU, 6th amongst 10 best private engineering colleges of India, published by OUTLOOK June, 2010
- Hindustan Times, June 2010 issue has ranked IT-NU, 9th in top placement 2010 in India and also amongst top 25 best private engineering colleges of India June, 2010
- NIELSEN survey has ranked IT-NU, amongst top 25 best engineering colleges of India, published by India Today June, 2010
- Electronics For You, has ranked IT-NU, as follows: 6th best engineering college amongst top 40 engineering private colleges in India, 4th best in west zone engineering colleges including IITs, 2nd best in west zone private engineering colleges, May, 2010
- Careers 360, June 2010 has listed IT-NU in AAA Series E- Schools in India's Best Engineering Colleges

From the Director General's Desk

Greetings!

Education these days is not merely confined to impart knowledge and sharpen one's skills. It requires a dramatic makeover. It should go beyond to create value addition in terms of building confidence, right attitude and a bent for creativity and innovation. To achieve this, the pedagogical philosophy must make a shift from the traditional mode of instruction i.e. teacher-centric to learner-centric. It will benefit students by:

- Making them more aware and responsible for their learning
- Developing problem solving approach
- Facilitating them to make more use of their brain power (left and right hemisphere)
- Building productive learning and motivating them to make learning as a life-long activity

However, the real challenge lies to ensure recognition of this approach at International level. More importantly, because the half-life cycle of technology is measured in months now a days unlike years in the past. Thus it requires to be shouldered carefully by skilled and credible hands. The intellectual capital i.e. faculty members need to keep themselves abreast of latest research, trends and concepts in their respective academic avenues to aid as well as surge them forward in the emerging scenario. Only then, we can surpass the expectation of our stakeholders as well excel in our endeavour.

Dr. N.V.Vasani



Editorial

Nirma University Newsletter has become synonymous with one of the grandest source of information of Nirma University.

Zeal and enthusiasm alone for new initiative cannot bring success. They are the corner stones from which castles can be built. For the success of the newsletter its contents such as research, achievements, recognition etc. at university must be progressive.

This issue has covered rankings of the Nirma University from a panel of experts and some pioneer magazines. Institute of Technology, Nirma University was ranked 17th, 14th and 13th in the list of Top 35 Private Engineering Colleges in India published by Outlook magazine, in 2007, 2008 and 2009 respectively and ranked 6th amongst 10 best private engineering colleges of India, OUTLOOK – MDRA survey in June, 2010. These rankings reveal recognition of our university at National level.

Down the memory lane was the feature started with an aim to trace back all the important activities of the university ranging from launch of institutes to array of activities till 2008. On reading ahead, you will know more about Nirma University growth that has increased with tremendous confidence to take up forthcoming issue project of this nature. Our regular section In-focus this time once again brings some, fresh spring message on “Major Paradigm Shift In Higher Education”.

Enjoy Reading,

Dr. Monica Rao



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Down the Memory lane (Year 2008)



Shri Rakeshbhai K. Patel, Shri D. P. Chhaya, Sri Sri Ravishankar, Dr. K. K. Patel, Dr. N. V. Vasani, Shri K. K. Patel and Shri Ambubhai Patel at 5th Convocation procession, 2008, NU



Dr. N. V. Vasani, Shri Ganesh Natrajan and Dr. Karsanbhai. K. Patel at 6th Convocation 2008, NU



Dr. P. N. Tekwani, Dr. K Kotecha, Dr. R. R. Navalgund, Dr. N. V. Vasani and Dr. N. M. Bhatt at NUCONE-2008, IT-NU



Dr. K Kotecha, Shri Ambubhai Patel and Shri Bipinbhai Patel while signing MoU between Vatva Industrial Association and Nirma University, 2008, IT-NU



Shri Ambubhai Patel, Dr. K Kotecha, Prof. U. A. Patel and Prof. J. G. Jamnani with participants from Indian Air-force at Executive training programme for engineers of Indian Air Force, 2008, IT-NU



Prof. B. B. Kadam and Prof. K. D. Shah with Robocon winner team 2008, IT-NU



Dr. Upinder Dhar, Shri D. Gosh, Dr. C. Gopalkrishnan and Prof. Satish Nair at Entrepreneurship Conclave - 2008, IM-NU



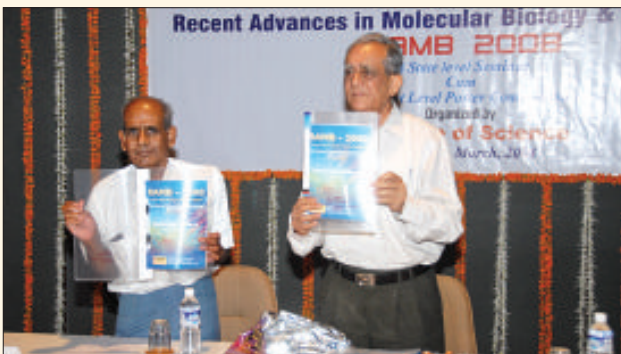
Shri K. K. Patel, Mr. Rupesh C. Shah and Dr. Upinder Dhar at 10th EDP Diploma Award Ceremony, 2008, IM-NU



Dr. Upinder Dhar, Dr. C. Gopalkrishnan and Shri Vimal Ambani at Prayaag-2008, IM-NU



Dr. N. V. Vasani, Dr. Rajendra Sisodia, Dr. K. K. Patel, Shri Satish Naralkar and Shri Ambubhai Patel at NICOM 2008, IM-NU



Dr. Y. K. Agrawal and Dr. N. V. Vasani at RAMBS 2008, IS-NU



Campus visit by P.C.I. Officers - Prof. S. K. Yadav, Dr. Avani Amin and Prof. M. D. Kharya, February 2008, IP-NU



Dr. Avani Amin, Dr. A. K. Shukla and Mrs. Usha Parmar at N. S. Parmar Lecture Series, 2008, IP-NU



Brahmkumari Chandrikaben, Prof. Nimish Shah, Prof. Suresh Pareek, Dr. N.V.Vasani, Shri Ambubhai Patel and Dr. K Kotecha at Students' Orientation Programme, 2008, IDS-NU



Hon'ble Justice Mohit Shah, Prof. A. S. Dalal, Shri K. K. Patel, Dr. N. V. Vasani, Shri Ambubhai Patel, Shri D. P. Chhaya and Dr. Purvi Pokhariyal at Students' Orientation Programme, 2008, IL-NU



Dr. N. V. Vasani, Former Attorney General Shri Soli Sorabjee, and Dr. K. K. Patel, at Institute Public Lecture Series, 2008, IL-NU

Events

9th Convocation 2010



Dr. N.V. Vasani, Shri Sanjay Lalbhai and Dr. K.K. Patel at 9th Convocation 2010, NU



Convocation Procession



Students at 9th Convocation, NU

The 9th convocation ceremony NU, was held at the campus on Sunday, 28th March, 2010. Mr Sanjay Lalbhai, Chairman and Managing Director of Arvind Ltd was the chief guest of the ceremony. Padma Shri Dr. Karsanbhai K. Patel, President (NU) presided over the function. While addressing the graduates, Mr Lalbhai said, "Meditation is the key to success. For a truly well balanced life, one's spiritual side needs to be as strong as the material side, for when both the wings of a bird are well matched then it has the strength to soar to great heights. To develop inner strength, one needs to look within and reach a meditative state of thoughtlessness." He further said that in the space between two thoughts that one realizes that we are not only our thoughts or simply our five senses but we are well connected with the entire energy field of this universe. Commenting on the upheavals of life, he opined as, "I have learnt from my experiences to push self beyond one's limits. I have also understood the importance of value-based living. And always see an opportunity where none exists" Dr Karsanbhai K. Patel, in his address said "The greatest lesson of the recent crisis is that organizations as well as individuals will have to be highly innovative to survive and prosper. Dealing with recession requires a different set of skills, but growth calls for altogether new approaches to deal with problems." A total of 214 pass-outs were awarded degrees at the convocation which included 116 full time students, 39 part time students and 59 students who pursued courses for family business. Twelve gold medals and six silver medals were also awarded to the students.



Prof. A. C. Brahmbhatt, Shri R. K. Jha, Shri. Dipesh Shah and Dr. C. Gopalakrishnan at ANVESH-2010, IM-NU

ANVESH-2010

ANVESH-2010 - All India Conference of Doctoral Research in Management was held on 2nd & 3rd, April, 2010. The aim of the conference was to provide platform to the Ph.D. scholars to exchange their thoughts, interact with peer group and experts. Thirty-one doctoral scholars from different B-schools across India participated in the conference. Twenty six research papers in the different functional areas of management were presented by the Ph.D. scholars. A panel discussion on 'The emerging avenues in doctoral research in Management' was also conducted.

Seminars - Workshops - Training Programmes - Conferences - Conclaves

Career Guidance Seminar



Dr. K Kotecha, Prof. J. B. Patel, Prof. A. P. Vyas, Dr. H. V. Trivedi, Dr. V. J. Lakhera & Dr. A. K. Singh at Career Guidance Seminar for Students of 12th std., 29th May, 2010, IT-NU



Dr. Sanjeev Acharya, Dr. Anuradha Gajjar, Dr. H. V. Trivedi, Dr. Manjunath Ghate, Dr. Tejal Mehta and Dr. Vimal Kumar at Career Guidance Seminar, IP-NU, June 2010

STTPs

**Nine ISTE approved Short Term Training Programmes (STTPs)
held at IT-NU, 21st June to 26th June, 2010**

Sr.	Title of the Programme
1	Advances in Networking - Opportunities and Challenges
2	Embedded System Design with Arm Processor
3	Advances in Digital VLSI Design
4	Environmental Monitoring and Analysis
5	Environmental Management for Sustainable Industrial Development
6	Electrical Machines Analysis Using Finite Elements Package
7	Current Trends in Industrial Instrumentation and Automation
8	Recent Advances in Casting Processes
9	Structural Steel Design (Limit State Method)



Dr. N. V. Vasani, Prof. Madhuri Bhavsar, Prof. Pradyumna Vyas, Director, NID & Dr. K Kotecha, at ISTE approved STTPs, Inauguration Programme, IT-NU

- One-day Workshop on "Internet tools and resources for Communication Skills Teaching", Mathematics & Humanities Department, IT-NU, 24th April, 2010.
- One-day seminar on "Scope of research in Applied Mathematics", Mathematics & Humanities Department, IT-NU, 19th April, 2010



One-week summer training programme on "Effective Communication Skills in English for standard 12th students", Maths & Humanities Department, IT-NU, 31st May-5th June, 2010 Dr. Namrata Bajaj and Dr. K Kotecha distributing certificate to the student

Induction/Inauguration Programme

- Induction Training Programme for newly recruited faculty members organized at IT-NU, 7th - 19th June, 2010
- Inauguration of MBA Programme was held on 21st June, 2010. Mr. Sanjib Roy, Senior President, Sintex Industries Ltd. was invited as the chief guest on the occasion.



Mr. Jagdeep Kochar, Prof. Nina Muncherji and Prof. C. Gopalkrishnan at Inauguration of MBA Programme IM-NU 16th June, 2010

Sewa Academy Visit

Sewa Academy trainers and trainees visited IM-NU to get hands on information, 13th April, 2010

Interactive Session



Dr. Tarun Arora, Advocate Prakash Thakkar, Shri Yatin Oza, Dr. Purvi Pokhariyal, Dr. Kiran Gardner and Prof. Parna Mukharjee at Interactive open house session on "Career Opportunities in Legal Education", 22nd May, 2010, IL-NU

Spiritual Talk



'Total Personality Development' by Swami Nikhileshwaranandji for the students of IDS-NU, 20th April, 2010

In Focus

MAJOR PARADIGM SHIFT IN HIGHER EDUCATION

Dr. H. V. Trivedi, Director, Academic Development & Research Cell, NU

We are witnessing a TSUNAMI that is bound to result in a complete knowledge transformation of this century. Sweeping technological developments have created challenges for the higher education. From the Indian context, 500 million youth are under the age of 25, who can be an asset in increasingly ageing global world. Imparting quality education to them is a challenge. In this article, learning revolution in American Higher Education is focused which can provide insight into the paradigm shift from teaching to learning.

The major educational reform which emerged in the early 1990s, in U.S.A, led to the most profound change in education. This was as a result of new insights from brain-based research, continuous quality improvement process, and new developments in technology. This places learning as the central value and the central activity of the educational enterprise. An American Imperative calls for the “redesign of our learning systems to align our entire educational enterprise with the personal, civic, and work place needs of the 21st century”. The report tells “Putting learning at the heart of the academic enterprise will mean overhauling the conceptual, procedural, curricular, and other architecture of postsecondary education on most campuses”

The article by Barr & Tagg, (From Teaching to Learning: A new paradigm for undergraduate education, Change, 27(6), 13-25, 1995) evoked extraordinary response. It states briefly, traditionally the paradigm which governed college is: a college is an institution that exists to provide instruction. In new paradigm, subtle but profound change is occurring: A college is an institution that exists to produce learning. The authors have compared instruction paradigm v/s learning paradigm along six

dimensions in detail: mission & purposes, criteria for success, teaching/learning structures, learning theory, productivity and funding and nature of roles.

In learning paradigm, student discovery and construction of knowledge are elicited and in the process, powerful learning environments are created. The college is concerned with improving the quality of learning. Student should be an active learner, while faculty members are primarily designers of learning methods and environments. Faculty and students work in teams with each other so as to develop each student's competencies and talents.

The basic concept of the learning organization by Peter Senge, provides a powerful foundation on which learning centered institution can be founded. In the book, “The fifth Discipline: The Art and Practice of the learning Organisation”, he has detailed five disciplines: systems thinking, personal mastery, mental models, building shared vision, and team learning required to build learning organization.

The first national conference on “The new learning paradigm” sponsored by eleven national organizations was held in San Diego, in 1997. The American Council on Education and the American Association of Community Colleges jointly published “A learning colleges for the 21st Century” by Terry O'Banion, who is President - Emeritus of the league for Innovation in the Community college, California. The early developmental phases of the learning college concept is described in the book. The learning colleges are designed to help students make passionate connections to learning. Six key principles as mentioned by Terry O'Banion that form the emerging definition and character of the learning college are:

The learning college creates substantive change in individual learners:- This forms the basis for all other activities. The substantial change occurs as a result of implementing policies, process, and systems to achieve the mission of producing learning. Awareness among all stakeholders is to be ensured.

The learning college engages learners in the learning process as full partners assuming primary responsibility for their own choices:- The new learners should be aware of the expectations. One, learners are full partners in the creation and implementation of their learning experiences and second, the learners are required to take primary responsibility for choosing their learning goals. A personal learning plan is to be constructed in consultation with academic advisor. To prepare learner, the services are required to be provided for using the technology, in locating resources and in navigating by a specialist. It is learner's responsibility to review and provide information, experiment, make choices so as to dedicate oneself to full involvement.

The learning college creates and offers as many options for learning as possible:- Major goal of the institution is to create more and more learning options such as tutor-led groups, individual learning programmes, project based activities, service oriented activities, laboratory work, standalone technological expert system etc. Availability of expert systems using advanced technology is essential so that learner can access the knowledge at any time, any place.

The learning college assists learners to form and participate in collaborative learning activities:- The focus on creating communities among all participants-students, faculty and other learning experts is required i.e. to create student cohorts, special structures which support individual learning. Some available opportunities for collaborative learning could be project based learning, e-forums, and collaborative problem solving. The process facilitators will orient individuals and form them into groups or communities of learners. Resource specialists and learning facilitators will be the enablers.

The learning college defines the roles of learning facilitators by the needs of the learners:- Every employee in the institution is a learning facilitator so as to provide special attention to the valid and individual needs of learners. Number of specialists who may be scattered across the globe could be engaged to produce specific products or to provide specific

services. These consultants could work as mentors, facilitators of inquiry, providers of networking, managers of collaboration and integration etc.

The learning college and its learning facilitators succeed only when improved and expanded learning can be documented for its learners:- The goal of organizations is, to document what learners know and what they can do? All learning options in the institutions include competency required for entrance and for the exit which are based on national and state standards. Assessing learner's initiative becomes a key for initial holistic engagement as well as for learning experience through sustainable processes ingrained in the learning culture of Institution.

During 2000 to 2010, the league for innovation continues to champion the Learning Revolution. The league coordinated two major million dollar grants at the beginning of the decade, one to create vanguard learning colleges and the other to create models of learning outcomes. Some leading community colleges have begun to experiment with the new approach of placing learning first and changing the historical architecture to implement new practices and programs to make its institutions more learning centered. These colleges are committed to make institution wide efforts to explore and implement the learning mission.

The process of launching a learning revolution at these institutions, as mentioned by Terry O'banion, includes key steps: (1) building a critical coalition and involving all stakeholders;(2) creating an emerging vision of a learning-centered institution, which includes revised statements of mission and values that focus on learning;(3) fully supporting the initiative in word, deed, and finance;(4) realigning current structures to accommodate collaboration and teamwork; (5) creating an open system of communication; (6) evaluating outcomes thoroughly; (7) committing to the long haul: and (8) celebrating changes and accomplishments.

The Learning Revolution is visible in the United States and in Scotland, Australia, Jamaica, Turkey and many other countries. The opportunity to reinvent colleges as truly learning organizations and reengineer their structures and processes for life long learning is worth grabbing so as to transform the higher education.

Staff Corner

Faculty Achievements



Prof. Chetna Chauhan, IDS-NU, won first prize for best paper presentation, titled 'Structural and Magnetic Properties of BaCa_{1.4}Co_{0.6}Fe₁₆O₂₇ hexaferrite prepared by stearic acid gel method', Gujarat Science Congress – 2010, Gujarat University and GUJCOST, 21st March, 2010.



Prof. Bhoomika Goyal, IP-NU, awarded for best paper publication "Effects of Telmisartan on Cardiovascular complications associated with Streptozotocine on Diabetic Rats, in Molecular and Cellular Biochemistry", for the year 2008 at 28th Annual Conference, Indian Pharmacological Society, Gujarat Chapter, 24th January, 2010.



Prof. Vivek K. Vyas, IP-NU, awarded first prize for paper presentation, "Needs for Reforms in Evaluation System in Higher Education", NAAC sponsored seminar on "Present scenario of Quality Assurance in Higher Education, 26th to 27th March, 2010, B. R. Nahata College of Pharmacy, Mandsaur, MP.

- **Prof. C Gopalkrishnan**, Director, IM-NU, conferred with "Eminent Educationalist" award by International Institute of Education & Management, New Delhi, May 2010
- **Dr. Manjunath Ghate**, I/c Director, IP-NU received travel grant from Department of Science and Technology (DST) to present paper entitled 'Antihypertensive activity of benzopyrrolone' in International conference: Frontiers in Medicinal Chemistry, Muenster, Germany, 14th-17th March, 2010.

Faculty Recognitions

- **Prof. P K Chugan**, IM-NU, was invited to be in the Board of Directors of Global Business and Technology Association (GBATA) at State University of New York, Old Westbury, USA, June, 2010.
- **Dr. Purvi Pokhariyal**, I/c. Director, IL-NU represents the Nirma University at National Consultation for Second Generation Reforms in Legal Education organized by Ministry of Law and Justice, Government of India, Bar Council of India and National Law University, Delhi on 1st and 2nd May, 2010 and presented the views on "Reforms in Legal Education and Road Map for Institutional Approach to World Class Legal Education in India", published in a book published by Ministry of Law on this occasion.
- **Prof. Rajesh K Jain**, IM-NU, elected as the National Council Member of Indian Society for Training and Development (ISTD) for 2010-11.
- **Prof. A C Brahmbhatt**, IM-NU, granted biographical entry into 'Learned India- Distinguished Biographies in Twenty First Century', 26th May, 2010
- **Prof. A C Brahmbhatt**, IM-NU, invited to be a member of referee board of "RATTAN MANAGEMENT", International biannual refereed journal of Management and Technology, Institute of Management and Technology, Chandigarh, 20th May, 2010.

- **Dr. Sriram Seshadri**, IS-NU, selected as associate editor of Asian Journal of Medical Science and British Journal of Pharmacology and Toxicology, April, 2010.
- **Dr. Sriram Seshadri**, IS-NU, appointed as reviewer of Translational Biomedical Journal and Reviews in Infection, April, 2010.
- **Mr. Vijay Kothari**, IS-NU, selected in the reviewer panel of Translational Biomedicine Journal, May, 2010.
- **Dr. Anuradha K. Gajjar, Dr. Tejal Mehta and Mrs. Jignasa K. Savjani**, IP-NU, nominated as the editorial board member of International Journal of Pharmaceutical Science & Research, Dec, 2009.

Publications in Journals / Magazines

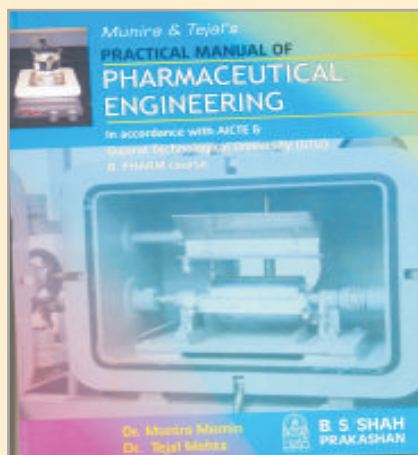
- **Tekwani P. N.**, IT-NU, "Modeling, controller design and simulation of power system friendly power supply,' Renewable Energies and Power Quality Journal (RE&PQJ), European Association for the Development of Renewable Energies, Environment and Power Quality, Spain, no. 8, paper ID-233, April 2010
- **Aagja Jayesh & Garg Renuka**, IM-NU, "Measuring perceived service quality for public hospitals (PubHosQual) in the Indian context", International Journal of Pharmaceutical and Healthcare Marketing, Vol 4, no. 1, May, 2010

- **Patel Yamini**, IDS-NU, "Synthesis and Anti-microbial Activity of some Novel N-[3-(Substituted Aryl)-1-Phenyl – 1h – Phyrazol-4 Yl] Methylene Triazole Derivatives" Der Pharma Chemica, June, 2010, Vol 2 Issue (3) p.p. 257-266.
- **Bhatt N., Pingle Sameer**, IM-NU, Rathod C. & Rayani L. (2010), "Sales India: Surge or Purge" European Case Clearing House (ECCH), Reference Number: 510-064-1
- **Pingle Sameer**, IM-NU, book review – "India Inc.: How India's Top 10 Entrepreneurs are Winning Globally" by Vikas Pota in 'Sugyaan', Biannual Journal of Siva Sivani Institute of Management, Secundarabad, June, 2010
- **Vyas Vivek K. and Ghate Manjunath**, QSAR modeling of some substituted alkylidenepyridazin-3-one as a non-cAMP-based antiplatelet agent, Medicinal Chemistry Research, p.p. 1554-81207th March, 2010.
- **Kothari Vijay**, IS-NU, "Revealing the antimicrobial potential of plants", International Journal of Biosciences and Technology Vol.3(1):p.p.1-20, March, 2010.
- **Kothari Vijay and Seshadri Sriram**, IS-NU "Antioxidant activity of seed extracts of Annona squamosa and Carica papaya", Nutrition & Food Science", Vol. 40(4), June, 2010.
- **Kothari Vijay and Seshadri Sriram**, IS-NU "Antibacterial activity in extracts of seeds of Manilkara zapota, Annona squamosa, and Tamarindus Indica", Biological Research, Vol. 43:p.p.165-168, June, 2010.
- **Rajkumar Shalini**, IS-NU, "Quorum sensing: understanding the linguistic significance of microbial world", International Journal of Agricultural Environment and Biotechnology, Vol. (3)1, p.p.125-134, March, 2010.
- **Seshadri Sriram**, IS-NU, "Evaluation of the effect of combination of extracts of Acorus calamus and Semecarpus anacardium in chronic Pseudomonas aeruginosa lung infection in rats". Inventi Rapid: Molecular Pharmacology, Vol. 1(1), p.p.13-16, June, 2010
- **Christian Ujvala**, IDS-NU, 'Bioelectricity Production Using Microbial Fuel Cell: A Review', Nandani Chemical Journal, Volume 17, Issue 9, June 2010, p.p. 34-40.
- **Ghatak Somsuvra B., Panchal Shital J.**, IP-NU, "Ticagrelor: A Novel Player in the Field of Anti-Platelet Therapy", Journal of Pharmacy Research, March, 2010, Vol. 3(6), p.p.1271-1273.
- **Mehta Priti J, Khatri Deepak M**, IP-NU, "Development and Validation of RP-HPLC Method for Determination of Milnacipran Hydrochloride in Pharmaceutical Formulations", International Journal of Pharmacy and Pharmaceutical Sciences, June, 2010, Vol.2(2), p.p. 137-141
- **Patel Bhumika D, Mehta Priti J**, IP-NU, "An overview: Use of Raman Spectroscopy in Pharmaceutical field", Current Pharmaceutical Analysis, May, 2010, Vol. 6(2), p.p. 131-141.
- **Mehta Tejal A.**, IP-NU, "Formulation, Development and Evaluation of fast disintegrating tablets of Rizatriptan benzoate using novel adjuvants", International Journal of Chemtech Research ; Vol. 2(2): p.p. 1026-1030; April-June 2010.
- **Mehta Tejal A.**, IP-NU, "Excipients Updates for Orally Disintegrating Dosage Forms", International Journal of Research in Pharmaceutical Sciences, Vol. 1(2): p.p.103-107, April, 2010
- **Kumar V.**, IP-NU, "Edible Vaccines: The New Frontier in Biotechnology" The Pharma Review, Vol. 8 (45), p.p. 47-50, May-June, 2010
- **Goyal B. R.**, IP-NU, "Investigation into the mechanism of anti-asthmatic action of Moringa oleifera", Journal of Dietary Supplements, November, 2009 Vol. 6(4): p.p. 313-327.
- **Gajjar Anuradha**, IP-NU, "Simultaneous Estimation of Rosuvastatin And Ezetimibe by Ratio Spectra Derivative Spectrophotometry Method in Their fixed Dosage Forms", International Journal of Pharm Tech Research, Vol. 2, No.1, p.p. 404-410, Jan-Mar, 2010
- **Savjani Jignasa K., Patel Bhumika S., Gajjar Anuradha K.**, IP-NU, "Microwave Assisted Organic Synthesis: An Alternative Synthetic Strategy", Der Pharma Chemica, Jan, 2010, Vol. 2(1): p.p. 342-353
- **Patel Mayur, Shah Tejal, Amin Avani**, IP-NU, "A Synchronous Colon-Specific Drug Delivery System for Orally Administered Mesalamine", Acta Pharmaceutica Scientia, Dec. 2009, Vol 51: p.p. 251-260.
- **Gajjar Anuradha K.** IP-NU, "Simultaneous UV Spectrophotometric Estimation of Rosuvastatin and Ezetimibe in their combined dosage forms", International Journal of Pharmacy and Pharmaceutical Sciences, Vol 2, Issue 1, Jan., 2010: p.p.131-138.
- **Goyal B. R., Bhadada S V.**, IP-NU, "Therapeutics opportunities of small interfering RNA" Fundamental and Clinical Pharmacology, 2009, Vol. 23, p.p. 367-386.
- **Goyal B. R.**, IP-NU, "Effect of long term treatment of aqueous extract of Elicostemma littorale in Type 2 diabetic patients". Oriental Pharmacy and Experimental Medicine, Dec 2009, Vol. 9(1) p.p. 39-48.

Papers Presented in International Conference

- **Dr. Purvi Pokhariyal**, I/c Director IL-NU, "Sustainable Development and Women Leadership: Issues and Challenges" International Conference on Global Warming: Agricultural, Sustainable Development and Public Leadership, International School of Public Leadership, Indian Society for Community Education and Manthan Education Programme Society, India, 11th -13th March, 2010.

Book Published



2nd edition of Book
"Practical Manual of
Pharmaceutical
Engineering, by
Dr. Tejal Mehta, IP- NU,
December 2009



Book titled "Biodiesel and
Ethanol-Environmentally
viable alternates to
conventional fuel", by
Prof. Neha Patni, IT-NU,
June, 2010



Dr. P. N. Tekwani (at right), IT-NU, presenting research paper in the
"International Conference on Renewable Energies and Power Quality
(ICREPQ'10)" organized by European Association for the development of
renewable energies, environment and power quality (EA4EPQ), University of
Vigo, and University of Granada held at University of Granada, Spain, 23rd-
25th March 2010

Ph. D. Awarded



Prof. Niyati Acharya, IP-NU awarded
Ph.D. on the thesis titled 'Gmelina
arborea Roxb. : Isolation &
Characterization of Bioactive Principles'
from Gujarat University



Prof. Atul Patel, IT-NU awarded Ph.D.
on the thesis titled 'The Study of
effectiveness of laboratory teaching
programme on the achievement of
students of Standard VIII in
Mathematics" from Gujarat University

- Dr. Manjunath Ghate**, I/c Director, IP-NU "Synthesis and Biological activity of Heterocycles", University of Plovdiv, Bulgaria, 17th May, 2010
- Prof. U. V. Dave**, IT-NU, "Comparative Performance of Beams using GFRP and Steel Reinforcements", 3rd CEB-FIP Congress-2010 and PCI convention at Washington D. C., USA, June, 2010
- Prof S.G. Desai**, IDS-NU, 'Effective use of MLM- in SCM distribution network' International conference on Green-IT and open source (GIT-2010), Sinhgad Institute of Management, Pune, 20th February, 2010.
- Prof. Jaswant Dave** and **Prof. Ajay Upadhyay**, IDS-NU, 'M-Ticket: An M-Commerce application' International conference on 'Green-IT and open source' (GIT-2010), Sinhgad Institute of Management, Pune, 20th-22nd February, 2010.

- Prof. Ajay Patel** and **Prof. Ajay Updhyay** IDS-NU, 'M-Ticket – An M-commerce application', International conference on 'Green-IT and open source' (GIT-2010), Sinhgad Institute of Management, Pune, 20th-22nd February, 2010.

Obituary



The University deeply mourns the
sad and untimely demise of
Shri Bhartendu Mankodi,
OS, Examination Section of NU

Research & Development

Sr.	Area of Research	Faculty Concerned/ Project in- charge	Funding Agency
1.	Implementation & Validation of Numerical Models for Heat Island Studies in Megacity, Delhi	Prof. Anurag Kandya , IT-NU	Government of Japan
2.	Investigation of the effects of Electrode Material for the removal of Organic Pollutants from waste water in Electrochemical Cell process	Prof. J. P. Ruparelia , IT-NU	Department of Science and Technology (DST)
3.	Experimental and Theory Studies on Effect of Particle Size of Lignite on Kinetics, Specific Gasification Rate, Calorific Value of Gas and Conversion Efficiency of Biomass Gasifier	Prof. R. N. Patel , IT-NU	Department of Science and Technology, (DST)
4.	Feasibility Study of NOx Reduction by Exhaust Gas Recirculation (EGR) in Bio Diesel Fueled C I Engine	Prof. R. N. Patel , IT-NU	GUJCOST
5.	Preparation of booklet on Environmentally Sustainable Building Technologies - Green Buildings	Dr. P. H. Shah , IT-NU	GUJCOST
6.	Seismic Strengthening of RC Beams using Near Surface Mounted (NSM) FRP Reinforcement	Dr Urmil V Dave , IT-NU	GUJCOST
7.	'Calixarene Analogs and their Pharmaceutical Applications '	Mr Kuntal Manna , IP-NU	GUJCOST
8.	A Study on Validating Teacher Emotional Labour Scale in Indian Context-A Study in Ahmedabad, April 2010 (seed money project)	Prof. A. C. Brahmabhatt , Prof. Jayesh Agja , IM-NU	Nirma University
9.	A study for ISRO, to assess the educational requirements for the Edusat network in the state of Tripura.	Prof. Tripura Sundari Joshi , IM-NU	All India Disaster Mitigation Institute

Students' Corner

Students' Achievements



Mr. Parth More, IP-NU

Mr. Parth More, IP-NU, secured first rank at all India level in GPAT 2010, AICTE, New Delhi. Total 56 Pharmacy students qualified in GPAT, May, 2010



GPAT-2010, Qualified Students of IP-NU



Ms. Sneha Shishodiya, IT-NU

Ms. Sneha Shishodiya, **Ms. Risita Sarabhai**, IT-NU, received \$3000 and \$2000 respectively as ISA scholarship award 2010. Out of 15 students across globe, 3 students are selected from India this year.



Ms. Rishita Sarabhai, IT-NU



Karan Chawla and Dhaval Thakker, IM-NU, receiving prize for qualifying national finals in TATA CRUCIBLE, 2010

- Ms. Dhvani Paurav Macwan, IT-NU, won best poster paper award on theme "Thermal Plasma Process for Synthesis of Crystalline Nano-Titania", 21st AGM-MRSI, Materials Research Society of India, (MRSI)
- Mr. Ishan Shah, Mr. Maulik Shah & Mr. Siddharth Jain, IT-NU, won winners title, Campus Connect Contest "Aspirations 2020" in programming contest at Inter college level, 2009-10, Infosys Technologies Infosys, Pune
- Ms. Poonam Malani Kishanchand, IT-NU, won gold medal in TCS Best Student award
- Jignesh C Patel, IT-NU, won first prize in Comparison of Approximate and Exact Analysis of Outrigger Structural System Subjected to Lateral Load in AKAAR 2010, Techfest IIT, Bombay
- Mr. Hardik Verma, Mr. Idris Parekh & Mr. Rukun Tarachandani, IT-NU, won runners up in Campus Connect Contest "Aspirations 2020" in Programming, at Inter College Level, 2009-10, Infosys, Pune
- Mr Nirav Shah and Mr Aaditya Mulani, IT-NU, won first prize for "Recycled Aggregates- A greener Initiative", APOGEE 2010, Techfest BITS, Pilani
- Ms. Dhvani Paurav Macwan, IT-NU, won second prize in Safety Poem / Slogan competition in National Safety Week Celebration, Hindustan Dorr-Oliver Ltd., Ahmedabad
- Ms. Sonam Vora, Mr. Vijay Sharma, Mr. Pratik Patel and Ms. Nidhi Thakkar, IDS-NU won first prize in Project presentation competition, V.B.T. Polytechnic, Umrakh, 13th April, 2010
- Ms. Kunjal Mamlani, IP-NU won first prize in National Elocution Competition – 2009, state round on "Regulatory role of pharmacist in maintaining the safety and efficacy of medicines" Indian PhaA, November, 2009
- Mr. Akash Domadia, IT-NU received Gujarat Chief Minister Fellowship in the department of Agri-culture and co-operation, Computer Science and Engineering Department, June 2010

Fellowships



Mr. Somsuvra B. Ghatak, IP-NU received Rs. 6,64,800/- INSPIRE Fellowship (JRF-Professional) for 3 years from Department of Science and Technology, Govt. of India.



Mr. Prerak Patel, IP-NU received Rs. 6,64,800/- INSPIRE Fellowship (JRF-Professional) for 3 years from Department of Science and Technology, Govt. of India.

Students' Events



Moot Court Activity

The Moot Court Team, IL-NU comprising of Ms. Swati Vijeyvargiya, Mr. Aditya Chopra and Ms. Pooja Thakkar participated in International Air Law Moot Court Competition organized by Leiden University in collaboration with Sarin Memorial Legal Aid Foundation at National Law University, Delhi, 2nd -6th March, 2010.

Students' Visit

At falcitation of Shri Narendrabhai Modi Chief Minister, Gujarat for bringing Nano project to Gujarat seen here are students of M.Tech. in Mechanical Thermal Engineering, IT-NU, Dr. R. N. Patel and Prof. N. K. Shah with Hon'ble Shri Narendrabhai Modi, C.M., Gujarat, May 2010



ADR Workshop

Workshop on "Mediation: Theory and Practice", at IL-NU, 2nd-4th April, 2010 and 16th-18th April, 2010

Placement Corner

Excitement never ends at Nirma University!

Campus placement is one of the milestones of Nirma University. Placement of the students in the right kind of job opportunities is an endorsement of educational excellence in the respective field. Almost cent percent students who passed out from Nirma University have bagged lucrative offers from National and International recruiters.

More than 150 companies participated in the university placement process. Of these, more than 40 scouted for potential employees for the first time in the campus.

So far the highest pay offered to the 2009-10 batch is about Rs. 9.00 lakh per annum to Institute of Management students, Rs 8.05 lakh per annum to Institute of Technology students, Rs 4.73 lakh per annum to Institute of Diploma Studies students

Some of the leading companies that visited the campus for final placement last year are:

ABB Limited	Ferromatik Milacron	Patni
Absolute Surveyors	Future First Info Services	PMI
AC Nielsen	Gammon India	Reliance Industries
Adani Group	GMMCO Limited	Religare Enterprise
Adarsh.	GIFT Tech City	Sabarmati Gas
AIA Engineering	HDFC Bank	SABIC
ALEMBIC	HDFC Ltd.	Shapoorji Pallonji
Astron	Hewlett Packard	Siemens
BA Research	HMEL	Solu Soft Graphics
Baja Auto Finance	IBM India	ST Microelectronics
Bank of Baroda	ICICI Bank	Sun Pharmaceuticals
Bank of India	ICICI Lombard	Tata Motors
Bayer Cropscience	IDBI Bank	Tata Power
Berger Paints	IFB Industries	Tata Teleservices
BGR Energy	IMRB	Tata YAZAKI Autocomp
Bhagwati Associates	Infosys	Tata Consultancy Services
BNP Paribas	Ingersoll Rand	Tech Mahindra
Cadila	Intas	Thermax
CARE	Jubilant Organosys	Torrent Power
Castrol	KAEFER Punj Llyod	Torrent Pharmaceuticals
Citi Bank	KEC International	Transformers & Rectifiers
Cognizant	Kendle India	Transpek Industries
Cybage Software	Kotak Mahindra Bank	Troika
Deloitte Consulting	L & T Group Companies	Ultratech Cement
Denag Cranes & Components	Linde Engineering	UPL Environmental Engineers
eClinical Works	Mahindra & Mahindra	Vedanta
ELI LILLY and COMPANY	Mechartes Researchers	Viraj Profile
Elitecore Technologies	Motorola	Virgin Mobile
EMCO	National Instruments Systems	Wellspun
Essar	Nokia	Zycus Infotec
Evolutionary Systems	nVidia Graphics	Zyodus Research Center
Evosys	Omnitech	
FAG Bearings	Oxygen Healthcare	

and Rs 3.60 lakh per annum to Institute of Pharmacy students. Average package offered in all the above institutes has gone up by 15-20 % as compared to last year. Companies that visited the campus are from diverse profiles like - IT, Electronics, Telecom, Banking, Pharmaceuticals, Market Research, and Consulting to Heavy Engineering, NGO, R&D and Design.

IT companies' were the biggest takers among all recruiters hiring maximum number of students. Most of these firms have enlisted students for roles in Software Development, Banking, System Development & Management and Networking. Consultancy & Design has emerged as the favorite sector among students.

The University has developed a strong alumni network and lays great stress on the relationship between the past and present students. This close relationship was in evidence with a large number of alumni returning to their alma mater to recruit new graduates.



Industry Interface



Prof. Mihir Chauhan, Dr. K Kotecha, Shri Jigish Shah, – Chief Guest, Vice President, Design & Development, Ferromatic Milacron India Ltd., Ahmedabad and Prof. V. R. Iyer at FEA Software training programme for industry personnel, organized by Mechanical Engg. Department, IT-NU, June, 2010

Management Development Programme

Name of the Programme	Date	Resource Faculty
Bharat Petroleum Corporation Ltd.	22 nd -24 th March, 2010	Dr. Sapna Parashar, Dr. Nityesh Bhatt , IM-NU
Bharat Petroleum Corporation Ltd.	3 rd -5 th March, 2010	Dr. Sapna Parashar, Dr. Nityesh Bhatt , IM-NU
UltraTech Cement	10 th -11 th March, 2010	Prof. Nina Muncherji, Prof. Sameer Pingle , IM-NU

Consultancy Work by Faculty / Department

Name of Faculty Member(s)/ Department	Title of Consultancy / Project work	Concerned Industry /Organization
Dr. Priti Mehta , Pharmaceutical Analysis, IP NU	Analytical method validation of related substances for Pharmaceutical formulations	Troikaa Pharmaceuticals Ltd., Ahmedabad
Prof. R. N. Reddy and Dr. R. K. Mewada , Chemical Engineering Department, IT-NU	Working on solution of corrosion problem in water supply conduits in Narmada Canal project.	Kirloskar Brothers Ltd., Ahmedabad
Prof. J. G. Jamnani , Electrical Engineering Department, IT-NU	Design of 400 kV double circuit EHV transmission line with quad moose conductor	Kalpataru Power Transmission Limited, Gandhinagar

Testing Work - In Departments

Department	Title of Testing Work	Name and Place
• Pharmacology, IP-NU	In vitro permeability studies of Protein based aqueous formulations	Intas Biopharmaceuticals Ltd., Ahmedabad
• Chemical Engg., IDS-NU	Petroleum solvent based dye sample	Anar Chemical, Ahmedabad
• Mechanical Engg., IT-NU	Thermal conductivity of rockwool insulation	Shreeram Equitech Pvt Ltd., Durg (for BHEL Project)
• Mechanical Engg., IT-NU	Stress strain behaviour of composite material	Institute for Plasma Research, Ahmedabad
• Mechanical Engg., IT-NU	Testing of Linear Shrinkage of Insulation as per ASTM	Amol Dicalite Ltd., Ahmedabad
• Mechanical Engg., IT-NU	Testing of Water Absorption as per ASTM	Amol Dicalite Ltd., Ahmedabad
• Mechanical Engg., IT-NU	Testing of thermal conductivity of Insullite	Enercon, D'Wans Ahmedabad
• Mechanical Engg., IT-NU	Water absorption test as per BIS	Enercon, D'Wans Ahmedabad
• Mechanical Engg., IT-NU	Water vapor permeance test as per BIS	Enercon, D'Wans Ahmedabad
• Mechanical Engg., IT-NU	Thermal conductivity of cement concrete	National Dairy Development Board, Palanpur

Collaborative Activities

Name of Faculty Member(s) involved	Title of Collaborative Work	Organization under Collaboration	Funding Agency
Dr. Manjunath Ghate, I/c Director and Principal , IP-NU	Indo-Bulgarian joint research project, Indo-Bulgarian program of cooperation in Science and Technology	Dr. Iliyan Ivanov, Asso. Professor, Plovdiv University, Bulgaria	Department of Science and Technology, Govt. of India

International Visits



Shri Ashishbhai Desai meeting with High Commissioner of India in Sri Lanka, at Nirma University Stall, Colombo, Sri Lanka, 23rd April, 2010



Mr. Sachin Sehgal interacting with students at Nirma University Stall in Kathmandu, NEPAL, 21st May, 2010



Mr. Sachin Sehgal interacting with students at Nirma University stall in Thimpu, Bhutan, 8th May, 2010

Extra-curricular Activities

Vaudeville'10



Vaudeville'10 - the annual cultural programme of IT-NU was held on 16th -17th April, 2010. More than 500 students participated in musical, theatre & fine arts, dance and literary events.

Festoria, 2010



FESTORIA -10, the annual cultural programme of IL-NU was held on 30th & 31st March, 2010. Various events like singing, dancing, T-shirt painting, debate, poetry recitation, etc were organized.

Extension Activities



Computer Literacy Campaign, carried out at Hajipur Village, Gujarat for disabled girl students, IDS-NU, April, 2010.

Forthcoming Major Events

EVENT NAME	DATE	INSTITUTE
Institute of Science Advisory Committee Meeting	6 th - 7 th August, 2010	Institute of Science –NU
Lecture Series of Prof. Santosh K Kar, Professor & Head, School of Biotechnology, JNU. New Delhi	2 nd - 4 th August, 2010	Institute of Science –NU
Management Conclave	19 th - 21 st August, 2010	Institute of Management -NU
Entrepreneurship Conclave	27 th - 28 th August, 2010	Institute of Management -NU
HR Conclave	8 th - 9 th October, 2010	Institute of Management -NU
1st International Conference on Current Trends in Technology (NUICONE,2010)	9 th - 11 th December, 2010	Institute of Technology -NU