



NIRMA
UNIVERSITY

Nirma University

Newsletter

Quarterly Newsletter

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News at a Glance



Puja Shri Morari Babu visits the University and IT-NU on January 09, 2012.



Honourable Chief Minister of Gujarat Shri Narendrabhai Modi interacting with students on Rural Projects during the First National Level Multi-disciplinary Technical Symposium NuTech – 2012 organized by IT-NU on February 16-18, 2012.



Dr. N.V. Vasani – Director General of Nirma University and Dr. P. K. Kaw, Director of Institute of Plasma Research signing the Memorandum of Understanding on January 31, 2012

Rankings

IT-NU has been ranked as 4th Best College in the Western Zone of India and the 17th Best college for its MCA course, from the TOP 50 MCA colleges of India as per the ranking of Silicon India.

IM-NU has been ranked as the 10th Best B-School in the country by a survey conducted by Team Avenues and published in The Pioneer, New Delhi December 14, 2011.

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Editorial Board

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Dr Richa Mishra	Language Editor	IT-NU

Awards

IM-NU was honoured with the Le Matinal Educational Excellence Awards at B-School Leadership Award ceremony held on December 14, 2011 at Mauritius.

IM-NU was honoured with “B-School Innovative Leadership Award”. The award was announced at the Innovative B-School Awards 2012 ceremony held on February 18, 2012 at Taj Lands End, Mumbai.



Prof. Sameer Pingle receiving the B-School Innovative Leadership Award on behalf of the IM-NU.

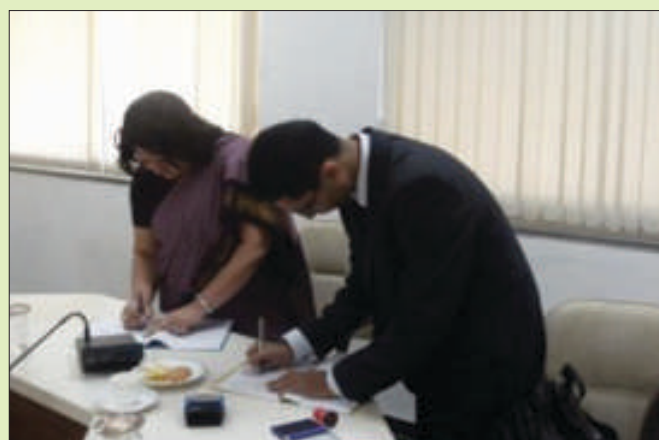
MoUs

Nirma University signs an MoU with Institute of Plasma Research, Bhat, Gandhinagar.

The two premier institutes have signed a Memorandum of Understanding (MoU) on January 31, 2012 at a function organized at the premises of Institute of Plasma Research. The MoU was signed by Dr. N.V. Vasani – Director General of Nirma University and Dr. P.K.Kaw, Director of Institute of Plasma Research and was attended by dignitaries of both the institutions. Nirma University has recognized Institute of Plasma Research for the purpose of conducting research leading to Ph.D in the field of Engineering in the Faculty of Technology & Engineering and in the field of Science in the Faculty of Science.

IT- NU has signed an MoU with TCS for iON certified assessment center on January 16, 2012.

IL-NU signed an MoU with Aryavarta Space Organization, an organization engaged in research in the field of research and policy. Through the MoU both have agreed to engage in research and development of Space Law and Policy in India.



Prof. (Dr.) Purvi Pokhariyal (Director, IL-NU) and Dr. Rushi Ghadawala (President, International Affairs, Aryavarta Space Organization) signing MoU for Space Law & Policy Research in India (February 9, 2012).

New Programmes

Management Education Programme

IM-NU has introduced a 90 day “Diploma in Management (Professional Education Programme) for Executives of companies. This programme was conducted on January 07, 2012 for Adani Group.

Facilities Added

Department of Electronics and Communication of IT-NU has procured 25 licenses of Mentor Graphics software worth

₹ 5 lacs, under M. Tech VLSI Design Programme. 5 licenses of Altium Design software worth ₹ 2 lacs are procured under Respond project. This tool is useful for TCP design, System level design and FPGA design.

Department of Instrumentation and Control of IT-NU has established PC based PLC laboratory. It comprises of TwinCAT NC 1 software (15 Users) and required hardware from Beckhoff Automation

From The Director General's Desk

At the onset I wish to record my appreciation to the Editorial Board for the excellent coordination with the new editor in bringing out the last issue of our Newsletter. The issue holds the promise of better things to come and you can look forward to the same. It is encouraging to know that the concept of higher education is undergoing a paradigm shift in India. Earlier the syllabus was covered by providing resource content to the students with examples where the same had been used. As a result our students could only re-produce what had already been produced / manufactured some where else. Today research has been emphasized in every field and at all levels, to the extent that the students have to come up with projects in which the knowledge is not only tested, but its applicability also is explored for the first time. In this scenario the initiative of Nirma University to sign



yet another M.O.U. – one with Institute of Plasma Research (IPR), Bhat, Gandhinagar for research, is a welcome step in the right direction. IPR is a leading national organization pursuing research in plasma physics. We look forward to a lot of students and faculty members to take the benefit of this opportunity and contribute to the quality of life of our citizens.

This issue also carries with it some additional features. This holds the promise of more features being added in days to come.

Hoping to bond into a mutually enriching relationship through the pages of the Newsletter.

Dr. N. V. Vasani



Editorial

Dear readers,

I humbly acknowledge the congratulatory messages sent by you on the publication of the first issue under my editorship i.e. Volume 3 Issue 4 of December 2011. I take this opportunity to share your appreciation with all the members of the editorial board for their co-operation, guidance, and even help. Special gratitude to the Chairman for the hours spent in setting right all our short comings. I convey a word of thanks to the Executive Registrar for the advice and help in bringing out this issue. I deeply regret the delay in reaching a copy of the same to you and assure you of making each subsequent issue reach your table promptly.

In this issue we carry news about our usual activities with their spectacular ingredients like the latest M.O.U. signed by the IPR (Institute of Plasma Research), the visit of our Honorable Chief Minister Shri Narendrabhai Modi as the Chief Guest of our maiden multidisciplinary technical symposium NU-TECH and more.

As promised earlier, some initiatives have already been taken by adding a “Staff Corner” to the “Faculty Corner”, a column on Extension Activities and one for the Annual Get-together.

We look forward to your suggestions to make this Newsletter better and better.

Editor

Dignitaries on Campus



LT. GEN. Rajesh Kochhar, AVSM, SM, VSM, CHIEF OF STAFF HQ ARTRAC delivered a lecture on 'Leadership' at IM-NU on December 27, 2011.



Shri Prakash K. Bhagwati, Chairman, Inspiron Engg. Pvt. Ltd., the chief guest of TechFest -2012 organised by IDS-NU addressing the audience on February 11, 2012.



Shri Jitendra Mamtara, Chairman and Managing Director, Transformers and Rectifiers (India) Ltd., delivering the presidential address at the inauguration of TechFest 2012 at IDS-NU on February 11, 2012.

Interface of IL-NU with Legal Fraternity



Hon'ble Mr. Justice A.M. Ahmadi, Former Chief Justice of India, February 17, 2012.



Hon'ble Ms. Justice Gyan Sudha Mishra, Judge Supreme Court of India, February 19, 2012.



Hon'ble Justice Mr. B. N. Srikrishna, Former Judge, Supreme Court of India, February 19, 2012.



Hon'ble Justice Mr. M. B. Shah, Former Judge, Supreme Court of India, February 19, 2012.



Hon'ble Mrs. Justice Sujata Manohar, Former Judge Supreme Court of India, January 27, 2012.

Hon'ble Mr. Justice C. K. Thakker, Former Judge Supreme Court of India, ILNU, January 27, 2012.

Hon'ble Justice Mr. G T Nanawati, Former Judge, Supreme Court of India, ILNU, January 26, 2012.

Dr. S. C. Bose, Dy. Director, CEERI, Pilani, visited M. Tech VLSI department, IT-NU on February 15-16, 2012 for interaction with the Ph. D. students.

Dr. Alan Richardson, Northumbria University, UK, Dr. Rishi Gupta, British Columbia Institute of Technology, Canada, Mr. Kunal Kansara, Bath University, UK and Dr. S. C. Patodi, Parul Institute, Baroda interacted with faculty members and students of the Civil Engineering Department during the International Conference on Current Trends in Technology, NUICONE – 2011 at IT-NU from December 8-10, 2011.

Dr. Harald Ranke from Linde Engineering India Pvt Ltd gave an insightful Lecture on "Clean energy: Trends and recent developments from the perspective of a global gas and engineering company" during NUICONE – 2011 at IT-NU from December 8-10, 2011.

Dr. Wolfgang-Martin Boerner, Professor Emeritus & Distinguished Radar Research Scientist, Director Emeritus, UIC-ECE Communications, Sensing & Navigation Laboratory, CHICAGO, USA, "Implementation of FULL-POL-SAR in Agriculture, forestry and aquaculture as well as for the detection of natural hazards and natural disaster assessment from air and space for South, East and Pacific Asia" at IT-NU on December 12, 2011.

IT-NU organized a seminar on "Current Issues faced by Higher Technical Institutions" for the faculty of IT-NU on January 21, 2012. The speakers of the seminar were Dr. M. Anandakrishnan - Chairman, Board of Governor, IIT Kanpur, Dr. R. Natarajan - Co-Chairman, Engineering Education Forum of the INAE and Chairman, Board for IT Education Standards of Karnataka and Dr. B.S. Sonde, Former Vice Chancellor, Goa University.



Dr. Anandakrishnan addresses the audience during the Seminar on 'Current Issues faced by Higher Technical Institutions'



Shri Jay Narayan Vyas, Hon. Minister for Health, Family Welfare and Tourism, Government of Gujarat was the Chief Guest at the inaugural function of nine, ISTE approved, Short Term Training Programmes (STTPs) organized by IT- NU, during December 26-31, 2011.

At IL-NU :

- Hon'ble Dr. Justice J.N. Bhatt, Former Chief Justice Patna High Court, presently Chairman, Gujarat Human Right Commission, January 28, 2012
- Hon'ble Mr. Justice A. L. Dave, Judge, High Court of Gujarat, February 2, 2012
- Hon'ble Mr. Justice Ravi Tripathi, Judge, High Court of Gujarat, January 16, 2012
- Hon'ble Mr. Justice Rashmin Chhaya, Judge High Court of Gujarat, December 2011
- Hon'ble Mr. Justice Anant S Dave, Judge High Court of Gujarat, December 2011
- Shri P D Achhary, Former Secretary General Lok Sabha, January 16, 2012
- Prof. N.R. Madhava Menon Founding Vice Chancellor NLSIU (Bangalore) & NUJS (Kolkata), January 27, 2012
- Prof. Ishwara Bhatt, Vice – Chancellor, WB NUJS, Kolkata, January 28, 2012
- Mr. Zafar Ahmed Khan, Vice Chairman Bar Council of India, February 19, 2012
- Mr. Ashok Kumar Deb, Managing Trustee, Bar Council of India Trustee, February 19, 2012

Expert Lectures

Name and Designation	Topic	Institute	Date
Shri S. B. Mahajani, Deputy General Manager, Amtech Electronics India Ltd., Gandhinagar	Harmonics: Cause, Effects and Mitigation Techniques.	IT-NU	December 09, 2011.
Dr. L. Satish, Professor, IISc, Bengaluru	Applications of Wavelets to Resolve Problems in High Voltage Engineering.	IT-NU	December 09, 2011.
Shri. Anang C. Shah, Sr. Engineer, Suvik Electronics Pvt. Ltd. Gandhinagar	Medium Voltage Drives.	IT-NU	December 09, 2011.
Dr. I.N. Kar Professor, IIT Delhi	Roboust Control for Nonlinear System.	IT-NU	December 8-10, 2011.
Dr. Suryakant Gupta, Scientist, IPR, Gandhinagar	Application of Plasma.	IT-NU	December 8-10-2011.
Dr. Wolfgang D Mueller, Linde Engineering India Pvt Ltd	Linear alpha olefins: From R&D via pilot plant to commercial operation- a case study.	IT-NU	December 8-10, 2011.
Mr. Pradeep Gupta CUDA Expert, NVIDIA Graphics Pvt. Ltd.	GPU Computing - Changing HPC landscape.	IT-NU	December 8-10, 2011.
Dr. S. H. Chetwani, Head, Motors and Pumps Division, ERDA, Vadodara	State of the Art Condition Monitoring Techniques for Motors and Generators.	IT-NU	December 28, 2011.
Dr. K. Ragavan, Professor, IIT Gandhinagar	Analysis of Power Transformer – High Frequency Circuit.	IT-NU	December 28, 2011.
Shri J. S. Chandegara, Deputy Engineer, GETCO	Multiple tools of Condition Monitoring – A Field Experience.	IT-NU	December 29, 2011.
Prof. Dr. Dawood Ghanchi, Ex-Chancellor, North Gujarat University	Communication English.	IL-NU	January 2, 2012.
Mr. Anil Mandhania, Director, SKYPET Industries Ltd., Vatva, Ahmedabad	Learning about Blow Moulding Technology & Characteristics of Good Engineer.	IDS-NU	January 2, 2012.
Dr. S. Y. Gabhe, Professor, Pharmaceutical Chemistry, Poona College of Pharmacy	Use of combined spectral techniques in structure elucidation of unknown compounds.	IP-NU	January 4, 2012.
Mr. Vinod Patel, Sr. Manager (R & D), Amtech Electronics India Ltd., Gandhinagar	Industrial Expectation from Students and Problem Solving Techniques.	IT-NU	January 05, 2012.
Shri. R. N. Pandya, Sr. Project Executive, GEDA	GEDA for Promoting Advancement in Eco Friendly and Sustainable Non Conventional Energy Sources.	IT-NU	January 5, 2012.
Dr. Krishna R. Iyer, Professor, Pharmaceutical Chemistry, Bombay College of Pharmacy	Basic Consumption in Micro Dosing.	IP-NU	January 10, 2012.

Ambassador K.P Fabian served in the IFS from 1964 to 2000 with postings in Madagascar, Austria, Iran, Sri Lanka, Canada, Finland, Qatar, and Italy	India and World.	IM-NU	January 10, 2012.
Prof. Manas Chatterjee, Faculty at New York State University, USA	Conflict Management.	IM-NU	January 16, 2012.
Mr. Sorabh Bali, HR Manager of Manpower Group	Recruitment Strategies of Companies.	IM-NU	January 19, 2012.
Dr. Ajay Namdeo, Professor, Department of Pharmacognosy, Bharati Vidyapeeth University, Pune	Prospects and Challenges of Medicinal Plant Biotechnology.	IP-NU	January 21, 2012.
Ms. Ameer Yajnik, Advocate, High Court of Gujarat	'Women and Law'	IL-NU	January 24, 2012.
Mr. James J. Nedumpara, Asst. Professor, Jindal Global Law School	'Countervailing Duties and Anti-dumping'.	IL-NU	January 25, 2012.
Dr. V. L. Kumar, Professor, Dept. of Pharmacology, AIIMS, New Delhi	Estrogen receptor and its splice variants in breast cancer.	IP-NU	January 25, 2012.
Ms. Madhvi Diwan, Advocate, Supreme Court of India	'Media Trial and its implications on Justice delivery process – An Indian Perspective'.	IL-NU	February 4, 2012.
Prof. Rohit Shukla, Retd Professor of Economics	"Poverty and the Planning Commission".	IL-NU	February 10, 2012.
Mr. Pranav Mehta, Global Director of Purchase, Amneal Pharmaceuticals Co. India Pvt. Ltd.	NextStep.	IP-NU	February 10, 2012.
Dr. C. S. Desai, Professor at University of Arizona	Interactive Session at Civil Engineering Department.	IT-NU	February 10, 2012.
Dr Dhaval Jani, ADIT, VV Nagar	Automotive Safety for M.Tech. Sem - II & IV (CAD/CAM & DE).	IT-NU	February 15, 2012.
Prof. V. G. Patel, IMC Member, ITI	Transformer Basics.	IT-NU	February 21, 2012.
Ms. Neerja Desai, Senior Programme Officer, Gujarat Cleaner Production Centre	Awareness on cleaner Production.	IT-NU	February 21, 2012.
Shri Hasan Mydin J, Manager M & S, Advanced Power Quality Solutions, ABB, Bengaluru	Power Quality Issues in Power Systems and Methods of Reactive Power Compensation.	IT-NU	February 22, 2012.
Mr. Yatindra Sharma, Managing Director of KHS Machinery	The Art of Execution.	IM-NU	February 22, 2012.
Mr. Rajesh Kumar, Scientist, Forensic Science Laboratory, New Delhi	Pattern Recognition Framework for Detection of Alterations in Documents.	IT-NU	February 22, 2012.
Mr. Pradeep Mallik, Editor, Ahmedabad Mirror	Media Trial.	IL-NU	February 24, 2012.
Nitesh Viramgama, CEO, Pharmavision	Career abroad for Pharmacist.	IP-NU	February 25, 2012.

Events

Mechanical Engg. Dept. of IT-NU conducted a Training Programme on "Finite Element Analysis using ANSYS Software from October 7 to December 25, 2011 for their students.

A Refresher Course for the faculty members of Electronics and Communication Engineering department was organized at IT-NU during January 2-4, 2012.

The following nine STTPs were conducted by IT-NU, during December 26-31, 2011.

Sr.	Short Term Training Programmes (STTPs) Organized	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

Spoken Tutorial – Linux : The department of Computer Science and Engineering, IT-NU ducted a workshop on Linux through Spoken Tutorial Program by IIT Bombay for all students and faculty members of the department. 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. The spoken tutorial post test on Linux was also conducted during January-February, 2012.

An ISTE expert lecture series on "Inculcating Academic Administration" was arranged during February 27, 2012 to March 3, 2012 at IT-NU. The Following lectures were conducted:

1. Game Theory, by Prof. A. S. Ranade
2. Academic Rules & Regulation, by Prof. U. A. Patel
3. DACUM Development, by Prof. V. R. Iyer
4. Inculcating Research Attitude, by Dr K Kotecha, Dr. P. N. Tekwani, and Dr. Dhaval Pujara
5. Development of Higher Education in India after Independence, Challenges ahead, Role of Teachers in developing and sustaining quality, by Shri D. P. Chhaya
6. RTI for Effective Governance, by Dr. Purvi Pokhariyal

Nirma International Conference on Management 2012

The 15th Nirma International Conference on Management, (NICOM 2012) was held at IM-NU during January 5 – 7, 2012. The theme of the conference was "Global Recession to Global Recovery: Opportunity, Challenges and Strategies for Sustainable Growth". Mr. R.S. Sodhi, Managing Director, Gujarat Cooperative Milk Marketing Federation Ltd. (AMUL), Anand inaugurated the conference.



Mr. R. S. Sodhi addressing the audience during the inauguration.

A two day NGO workshop was organized for the first year MBA [FT] and MBA [FB&E] students at IM-NU on February 15-16, 2012. Representatives from NGOs, such as Manav Sadhna, VIKSAT, BMA, GANATA, SAATH and Janvikas addressed the students.

'Web Designing using PHP', a value addition programme by the Computer Engineering Department was organized at IDS-NU from December 26-31, 2011.

The Information Technology Department organized a value addition programme 'Web Designing using PHP' at IDS-NU from December 22-28, 2011.

NIDS ISTE Faculty Chapter organized an expert lecture by Shri Vincent Vaz, Counsellor, NU on 'How to Counsel' on January 16, 2012 for the faculty members of the institute.

NIDS ISTE Faculty Chapter organized a lecture series on 'Research Methodology' on February 1, 2012 to inculcate research aptitude in the faculty members.



Prof. Amit Mishra, co-ordinator of ISTE Faculty Chapter welcoming Dr. K Kotecha, Director, Institute of Technology and Prof. V. R. Iyer, Principal, IDS-NU at the lecture series on 'Research Methodology'

A training programme on 'C Programming' was organized by Mechanical Engineering Department for the faculty members of the IDS-NU from February 27 to March 2, 2012.

Computer Engineering Department, IDS-NU organized a workshop on 'Software Analysis and Design' for 8th CE students on January 4, 2012.

One day 'Career Orientation Programme' was organized by IDS-NU in association with ISTE Student Chapter-NIDS for final year diploma students. The programme was planned in two phases which were held between January 2-9, 2012.

Techfest 2012

IDS-NU in association with ISTE Student Chapter -NIDS organized a National level Students' Competition 'Tech Fest-

2012' on February 11, 2012. Shri Prakash K. Bhagwati, Chairman, Inspiron Engg. Pvt. Ltd., graced the inaugural function as the chief guest and Shri Jitendra Mamtara, Chairman and Managing Director, Transformers and Rectifiers (India) Ltd.), presided over the inaugural function. About 631 students from the various Polytechnic institutes of all over India participated in this mega event.



Students participating in the event of Robotics at TechFest 2012.

Nirmaquest

IP-NU organized "NIRMAQUEST 11-12", Arena of State level Co-curricular competitions for Pharmacy students of Gujarat on February 23-24, 2012. Shri Mukesh M. Patel Leading Advocate & Tax Consultant was the chief guest of the function. This event was presided by Prof. (Dr.) N.V. Vasani, Director General, Nirma University. A variety of competitions like Quiz, Pharma Chef, Cartooning, Pharma skit & Pharma news editing were organized in the span of two days.





Self Enhancement Seminar

'Self Enhancement Seminar' was organized for the supporting staff IP-NU for enhancing the language and communication skills from January 30 to February 29, 2012. Shri. Ashwin V. Parikh, Director, International Business Development (IBD) was the resource person. During the programme the staff members were exposed to various topics like Art of Public speaking, Communication, Attitude, Self Image, Goals, Quality Control, and Total Quality Management etc. Certificates were given to the participants after the completion of the programme.

National Conference on Law, Science and Society

A National Conference on Law, Science & Society: Dynamics, Dilemmas & Disparities was organized by IL-NU on January 27-28, 2012.

Many renowned dignitaries like Hon'ble Mrs. Justice Sujata V. Manohar, Judge (Retd.) Supreme Court of India, Mr. Justice C.K. Thakker, Judge (Retd.) Supreme Court of India, Padmashri Prof. N.R. Madhava Menon, Dr. N.V. Vasani, Director General, Nirma University, Hon'ble Mr. Justice J N Bhatt, Hon'ble Mr. Justice Ravi Tripathi, Prof. H C Dholakia, Prof. Dr. Anil Gupta and others graced the different functions from inauguration to valedictory.



27th Bar Council of India Inter-University Moot Court Competition

IL-NU hosted its first BCI Moot Court Competition from February 17-19, 2012.

Renowned dignitaries like Hon'ble Mr. Justice A.M. Ahmadi, Former Chief Justice of India, Hon'ble Mr. Justice A.S. Dave, High Court of Gujarat, Hon'ble Ms. Justice H.N. Devani, High Court of Gujarat, Hon'ble Ms. Justice Gyan Sudha Mishra, Judge Supreme Court of India, Hon'ble Mr. Justice B.N. Srikrishna, Former Judge, Supreme Court of India, Hon'ble Mr. Justice M.B. Shah, Former Judge, Supreme Court of India, Mr. Zafar Ahmed Khan, Vice-Chairman, Bar Council of India, Mr. Biri Singh Sinsinwar, Trustee, Bar Council of India Trust graced the event. The moot problems were based on Corporate Law, Environmental Law and Constitutional Law.

Mediation Training Workshop

IL-NU organized four days Mediation Training Workshop for the 6th Semester students as a part of ADR Clinical Paper in February, 2012. Hon'ble Mr. Justice A. L. Dave, Senior Judge, High Court of Gujarat & Executive Chairman, Gujarat State Legal Services Authority, Mr. Firdoshali Kassam (Karachiwala) an internationally renowned mediator, Master Trainer of Supreme Court Committee on Mediation & Chairman, Centre for Alternative Dispute Resolution, Mumbai guided the students.

Workshop on Legislative Drafting

IL-NU organised a one day workshop on "Legislative Drafting" on February 16, 2012 to enlighten the students about with the general principles of legislative drafting. Hon'ble Justice Ravi R. Tripathi, Shri P.D.T. Acharya, Shri Deepak Mahna, Joint Secretary, Lok Sabha guided the students on legal drafting and answered to their queries.

ISTE Workshop on "Writing Effective Conference Papers"

The CSE Dept. IT-NU organized a Two Days online ISTE Workshop on "Writing Effective Conference Papers" under the National Mission on Education through ICT (MHRD, Govt. of India) on February 18-19, 2012. The workshop was conducted online by IIT Bombay under their Distance Learning Programme.

In Focus

Skill Development-- Road to Employability

Prof. V. R. Iyer, Principal, Institute of Diploma Studies, Nirma University.

Introduction

Over the centuries the term 'Education' has undergone various meanings. In the context of Twenty-First century, 'Education' means to develop the knowledge, skills, and character of students. According to 'Teacher's Mind Resources 2001-2011' there is associated with Education, Purpose and Functions. A purpose is the fundamental goal of the process. In the present scenario especially for Technical Education, it should be the employability of the students and their capacity/ability to earn a living.

As the nation has to compete in a global market place facing global competitiveness, the system of education should be such that it should be able to add value to goods and services in an increasingly integrated world economy i.e. Higher education including Engineering education should cater to the needs of the society, as the system of education is closely woven into the fabric of the society within which it operates.

Inadequacies associated with Present Educational Systems

According to Dr Kalam, India does not have the problem of unemployment but unemployability. It is due to the fact that the graduates lack other skills beside the academic or technical skills

Employers today want candidates who not only possess all the critical skills but are ready to start work from day one, because nobody wants to spend time and money on training. All of this means that students will need to do all that they can work on their skills and be industry ready.

Current engineering education does not provide sufficient skills in the expected areas including technology



competitiveness and is not related to the industrial practice. The curriculum is more teacher-centered and does not bring awareness amongst students, the social, environmental, economic and legal issues that are part of the related modern engineering practice.

What skills are required?

Employability skills are very essential in the current global job market. It consists of both, the skills required in his own area (i) Technical Skills for students of Engineering and Technology and (ii) Soft skills.

Apart from good technical skills, employers also expect the pass outs to possess good soft skills.

The seven soft skills identified from the literature are (Ref.: Soft skills development of Engineering undergraduate students through Formula Varsity –Engg Education (ICEED), 2009 International conference, by Akop, M.Z et al)

(i) Communicative skills, (ii) Critical thinking and Problem Solving skills, (iii) Team work. (iv) Life-Long Learning & Information Management Skills, (v) Entrepreneurship Skill (vi) Ethics, Moral & Professional, (vii) Leadership skills.

How to provide Skills?

Research suggests that the development of any skill is best facilitated by giving students practice and not by simply talking about or demonstrating what to do.

Methodology for imparting Technical skills:

The institutions can interact with industries and other employers to arrive at the technical skills expected by them from the pass outs both in existing and emerging technologies. On the basis of this, Need based and customized technical skill programmes can be designed using appropriate model such as DACUM and can be offered to the students during non institutional hours and vacations on self financed basis or otherwise. Such type of programmes should be conducted by experts only and institutions should play a coordinating role. This can be provided in the form of training at institute as well as on-job training at the identified industry. The employability of students undergoing such programmes become manifold, their confidence level increases and they can be directly put to on job without any training by the employees. The present Engg curriculum does not have room for detailed skill training and many of them are giving just an overview only. The author has conducted such programmes and has found this model to be successful in the form of enhancing the employability of the students.

Models for implementing soft skills in higher education

A holistic approach should be used to plan and implement the soft skills among students of higher education. In general, the development of soft skills among the students via the formal teaching and learning activities takes two models: (i) stand alone and (ii) embedded.

V.Saravanan in his paper “Sustainable Employability Skills for Engineering Professionals” in The Indian Review of World Literature in English, Vol. 5 No.II – July, 2009 gives us different models that facilitate learning related to soft skills

Stand Alone Subject Model: This model uses the approach of training and providing opportunities to students to develop soft skills through specific courses that are carefully planned for this purpose. The courses in this category are often a part of the overall requirements that make up the program. The number of courses and credits in this category depends on the curriculum design and the requirements of the program. The stand alone subject model can also be initiated by encouraging students to sign-up several additional courses which can be accumulated to be a minor course which is different from the initial program signed-up. For example, a student who is pursuing an engineering program is encouraged to take minor courses in

management or mass communication. However, such an approach will require an increase in the number of credits and time spent for the particular program.

Embedded Model: This model uses the approach of embedding the soft skills in the teaching and learning activities across the curriculum. It does not require the student to take special courses as in the stand alone subject model. Instead the students are trained to master the soft skills through various formal teaching and learning activities that are planned and carried out using specific strategies and methods. In this way, the content and learning outcomes to be achieved for the respective courses are maintained. The learning outcomes related to the soft skills will be integrated and be part of the learning outcomes of the respective courses. This is the suggested model to be implemented in all the courses for the different programs in institutions of higher learning. Each element of soft skills is spelled out in the learning outcomes and then translated into the instructional plan for the semester. This is followed by implementing several teaching and learning activities such as questioning, class discussion, brain storming, team work, presentation, role play and simulation, task/project, field work and site visits.

In general, the development of soft skills using the embedded model requires the expertise of the faculty members to use teaching strategies and methods that are entirely student-centred. It also involves active teaching and learning and students should participate actively in the activities. Some of the appropriate strategies and methods that are practical include (i) learning by questioning, (ii) cooperative learning, (iii) problem-based learning (PBL), (iv) e-learning.

Based on the weaknesses and strengths discussed, the higher education institutes should use the embedded model as compared to the stand alone model. This is because the embedded model focus on student centred learning such experiential learning, problem-based learning and gives students the practical experience as well.

Conclusion

A quality human capital comes from a quality education process. A carefully designed and well planned education system is critical to developing such human capital.

In the present era the Institutions should not only provide the latest knowledge in the subjects dealt with but also provide skills in the form of technical/professional competence and soft skills. As discussed earlier it is preferable to have the soft skills imbibed in the curriculum itself and not to deal them separately. Such provision of both the technical skills and the soft skills will enhance the capability and self confidence of the students and will certainly make them more employable. This in turn will add to the value and capability of the nation.

Research & Development

Institute	Area of Research	Name of faculty member(s)	Title of Research Project	Funding Agency	Amt ₹ in Lacs
IS-NU	Immunology Research	Prof. Sarat Dalai, Director, Institute of Science	"Understanding the nature of liver-stage specific CD8+T cells generated following Infectious sporozite challenge that ensue long—lived protection against plasmodia infection"	Department of Biotechnology, Govt. of India, New Delhi	45
IS-NU	Protein Structure Research	Dr. Mili Das, Assistant Professor	"Identification of compounds from ginger, cinnamon and gooseberry extracts having the potential to prevent protein aggregation and characterization of their mechanism of action"	Department of Biotechnology, Govt. of India, New Delhi under the BioCARE scheme	43.77
IDS-NU	Plastic Engineering	Prof. Mamta Saiyad	Radiation Hardened Plastic Packaging for VLSI	Nirma University	1.00
IDS-NU	Chemical Engineering	Dr. Monika Swami	Recovery of Gallium from Various Oles and Wilste Samples	Nirma University	1.00
IP-NU	Pharmaceutical Sciences	Dr Snehal Patel	"Treatment of allergic disorders by proper histamine management used in combination of plant derived histidine decarboxylase inhibitors and H1antihistaminic drugs"	Nirma University	1.00
IP-NU	Pharmaceutical Sciences	Dr Mayur Patel	"Formulation and Evaluation of colon targeted drug delivery systems"	Nirma University	0.90
IP-NU	Pharmaceutical Sciences	Ms Dipal Gandhi	Phytochemical investigation of some plants belonging to family Brasicasaeae	Nirma University	0.80
IP-NU	Pharmaceutical Sciences	Dr. Niyati Acharya (IP-NU) & Dr. Sonal Bakshi (IS-NU)	Effect of C. crista seed extract on genetic material: An invitro genotoxicity assessment	Nirma University	0.50

Annual Get-together

The annual get-together of IT-NU was organized on February 18, 2012 at Waterside Restaurant, Ahmedabad. Mr. Jagdish Trivedi (a Gujarati Hasya Kalakar) was invited to entertain the audience.

An annual get-together of the faculty and staff members of IDS-NU, along with the family members, was arranged on February 27, 2012 at Atithi Gokul on S. G. Highway. Various games were arranged for the faculty and staff members which was followed by dinner.



Extension Activities

Training for ITI students

Under the banner of extension activity, Electronics and Communication Department, IT-NU, had organized a one-day workshop for the students of ITI Electronics Engineering on the campus on January 2, 2012. In the workshop, the students of ITI were given exposure to the modern measurement instruments and the simulation tools available in the department.

A Free Training Session was arranged on 'Programmable Logic Controller: Introduction and Programming' and 'Measuring Instruments and Analog Electronics Devices' with lunch and transport for 40 students of ITI, Saraspur by ITNU on February 24, 2012,

Civil Engineering Department, IT-NU organised a learning session for the school students. 11th Std. students of Science stream of the Riverside School, Ahmedabad visited the department on January 16, 2012. The students were given exposure to the fundamentals of various kinds of materials and their testing using Universal Testing Machine (UTM) and it was interactive. Later, materials like Mild Steel and Cast Iron were tested under Tension and Compression Load using UTM and shown to the students.

Mechanical Engg Department, IT-NU, organized the following: A Three Day National Level Technical Symposium from January 16-18, 2012 and a One Day workshop on Robots was organized for School students in February 21, 2012

IDS-NU organized a one day awareness programme on 'Basic Understanding of Engineering' for the 8th and 9th Standard school students of various schools of Ahmedabad on January 9, 2012.



Extension Activity Training for ITI students – EC Engg.



Training Session for students of ITI, Saraspur



School students during the visit at the University



The extension activity for the benefit of the society was organized by the faculty and students of IP-NU at Jagatpur Primary School on January 11, 2012. The theme of activity was to create awareness about "Nutrition, sanitation and vaccination". Approximately 140 students and 30 village people attended the activity, and get promise to follow good habits. The committee members distributed kits containing things for sanitation to the students and village people.

Industry Interface

Testing work undertaken at IT-NU

Department	Title of Testing Work	Name and Place of Organization
Electronics and Communication	Testing of microwave circuits using Vector Network Analyzer	Sumeru Microwave Communication Ltd. , Ahmedabad
Chemical Engineering,	Property estimation by testing of diesel and Waste gear oil samples	Mundra Port & Special Economic Zone Ltd., Post Bag No.1, Village Dhrub, Tal :Mundra Kutch, Mundra – 370421 Gujarat, India
Computer Engineering	Online Written exam for Bank Recruiters under M.O.U with TCS	TCS, Gandhinagar
Civil Engineering	Proof checking of 175 m high RCC Chimney of Stable Fiber Plant	Bharuch
Mechanical Engg.	Thermal conductivity test for foam sample	Defense Research & Development Laboratory, Hyderabad
Mechanical Engg.	Thermal conductivity, Dimensional stability and Compressive strength tests of PUF samples	UOP (A Honeywell Company), Gurgaon
Mechanical Engg.	Thermal conductivity test of Flyash Brick	Ved Building Solutions (for L & T GIFT Project), Ahmedabad
Mechanical Engg.	Thermal conductivity test of Concrete sample	Panache Greentech Solutions Pvt Ltd., Baroda
Mechanical Engg.	Thermal conductivity of Phenolic Sample	Kemrock Industries Ltd., Baroda

Consultancy

Department and Institute	Name of Faculty Members	Title of Consultancy Work	Name and Place of Organization
Mechanical Engg. Dept. ITNU	Dr. D. S. Sharma & Prof. A. M. Gohil	Geometric Dimensioning & Tolerancing	TÜV SÜD South Asia for machine tools association, Rajkot
Chemical Engineering, ITNU	Dr Sanjay Patel Dr Jayesh Ruparelia Prof. Femina Patel Dr. Milind Joshipura Prof. Parin Shah Prof. Priya Patel Prof. Sandip Sharma	Environment Audit & Adequacy Work	Torrent Pharmaceuticals, Mehsana Dhrangadhra Chemical Works, Dhrangadhra; Gujarat Fluorochemicals, Vagra, Bharuch; Reliance Gas Transportation Infrastructure Limited, Compressor Station No 09 at Kanjanhari - Valsad & 10 (A&B) at Bhadbhut, Bharuch; Kesar Chemicals, Ahmedabad; Common Effluent Treatment Plant, Kalol Adi Chemicals, Ahmedabad
Plastic Engineering Dept., IDS-NU	Prof. Mamta Saiyad Prof. G.K. Lalchandani	Development of Testing Equipment – Leak Detector Testor for GRP Pipes	Deesha Impex, Ahmedabad
Department of Pharmacology IP-NU	Dr. Snehal S Patel	‘Pharmacological evaluation of Ayurvedic Proprietary Medicine for mammary gland cancer’	Virigo uap pharma pvt. Ltd., Ahmedabad
Department of Pharmacognosy IP-NU	Dr Vimal Kumar	Pharmacological activities of some Herbal formulas	Green Chem Lab, Bangalore

Continuing Education Programme

Management Development Programme (Open) 2011-12 at IM-NU

Sr. No	Name of the Programme	Date	Programme Leader
1.	Effective Communication for Higher Performance	January 12-13, 2012.	Prof. Nityesh Bhatt
2.	Managerial Effectiveness	January 20-21, 2012.	Prof. Swarup Dutta
3.	Organizational Integration Through Effective Teams	February 16-18, 2012.	Prof. Nina Muncherji

Management Development Programme (In -House) 2011-12 at IM-NU

Sr. No	Name of the Programme	Date	Programme Leader
1.	Managerial Effectiveness Follow-up Programme for Torrent Pharmaceuticals Ltd.	January 21, 2012.	Prof. Nityesh Bhatt
2.	Management Development Programme For Kalptaru Power Transmission Ltd. (52 Weeks)	January 17, 2012.	Prof. Nityesh Bhatt
3.	Customer Eperience Management for Parimal Healthcare	February 12-13, 2012.	Prof. Jayesh Aagja
4.	Personality Development & Business Etiquette(GSFC)	February 21-22, 2012.	Prof. Nina Muncherji

Faculty Corner

Faculty Achievements

- Dr. Sandip S. Trivedi**, Civil Engineering Department, IT-NU received the second best IGS-Prof. G.A. Leonard's Best Ph.D. Thesis Award - 2011 on January 3, 2012 for his work entitled 'Seismic Ground Response Analysis and Microzonation Studies for Ahmedabad Region'.
- Sameer Pingle**, of IM-NU was honoured with an Award for Best Teacher in Human Resources Management in Bloomberg UTV B-School Excellence Awards on February 18, 2012 at Taj Lands End, Bandra, Mumbai.



- Satish Nair** and **C Gopalkrishnan** of IM-NU won the Best Paper award for the paper "Social Responsibility and the Indian Entrepreneur" presented in the National Conference on Corporate Social Responsibility, Tata Institute of Social Sciences and Xavier Institute of Management, Bhubaneswar, at XIM, Bhubaneswar February 9-11, 2012.
- Parag Rijwani** of IM-NU received second prize in Academic & Industry Delegates Category at the NICOM 2012 conference for the paper 'A Comparative Investigation of Impact of Dividend Announcement in Recessions and Recovery on Stock Prices using Event Study Approach' on January 7, 2012.
- Dr. Bhoomika M. Patel** (IP-NU) received first prize and Ms. Shraddha Bhadada (IP-NU) received second prize in the oral presentation competition at National conference on 'Innovation in Pharmaceutical Industry: From Drug Development to Distribution' held from January 28-29, 2012 jointly organized by Pharmanext and L. J. Institute of Pharmacy.
- Dr. Snehal S. Patel** (IP-NU) received first prize and **Dr. Mayur M. Patel** (IP-NU) received second prize in the poster presentation competition at National conference on 'Innovation in Pharmaceutical Industry: From Drug Development to Distribution' held from January 28-29, 2012 jointly organized by pharmanext and L. J. Institute of Pharmacy in 2012.



- **Mr. Divya Tyagi, and Ms. Khyati Shah**, IL-NU won the Best Paper Award for a paper on 'Auditing as facilitator of Scientific Development: Time to Strengthen Accountability for the stakeholder' at the National Conference on 'Law, Science and Society: Dynamics, Dilemmas & Disparities' held on January 27-28, 2012.



- **Dr. Krishna Pal Malik**, IL-NU won the Best Paper Award for a paper on 'Decadal Study of crimes against children: need for transformation in Criminal Justice System' at the National Conference on 'Law, Science and Society: Dynamics, Dilemmas, & Disparities' held on January 27-28, 2012.

Faculty Recognitions

- **Dr. Dhaval Pujara**, EC dept, of IT-NU has been selected as Secretary, IEEE AP-MTT Joint Chapter, Gujarat Section on January 7, 2012 for the year 2012.
- **Dr. P. N. Tekwani** of IT – NU was appointed as Session Chair for two Technical Sessions at National Conference on Engineering and Management (NCTM - 2012) held at Sankalchand Patel College of Engineering (SPCE), Visnagar, Gujarat, January 20 – 21, 2012.
- **Dr. Sharad Purohit**, Civil Engineering Department of IT-NU is appointed as the reviewer of the subject "Advanced Solid Mechanics" by Prof. N. K. Chandiramani of IIT Bombay under National Programme on Technology Enhanced Learning Phase II (NPTEL) on December 26, 2011. This course will be aired on Eklavya Technology Channel of Doordarshan and will also be deployed over the internet.
- **Dr. Bindi Mehta**, Professor at IM-NU was invited to conduct a seminar on 'Corporate Governance in India: Practices & Challenges' to Deakin University, Melbourne, Australia on December 10, 2011 for M.Phil and Ph.D. students and faculty members from areas of finance, accountancy and law.
- **Dr. Shital Panchal** (IP-NU) chaired one scientific session at the International congress of ethnopharmacology on 'Traditional Medicine and Globalization-The future of Ancient Systems of Medicine' organized by School of Natural Product Studies, Jadavapur University, Kolkata, India and International Society of Ethnopharmacology on February 19, 2012

- **Prof. Sarat Dalai**, Director, IS-NU was invited as a Chief Guest at Sheth M N Science college, Patan in the Gujarat State Biotechnology Mission sponsored Crash Workshop-BTCBC-2012, during January 17-18, 2012. He delivered an expert lecture on Immunology.
- **Dr. Vijay Kothari** of IS-NU was invited as resource person at the above-mentioned event; he delivered a talk on 'Analytical Techniques' on January 17-18, 2012.
- **Dr. Tarkesh Molia** of IL-NU was nominated and elected as member of Board of Studies (Human Rights Law Board), Saurashtra University, Rajkot on December 23, 2011.

Ph. D. Awarded



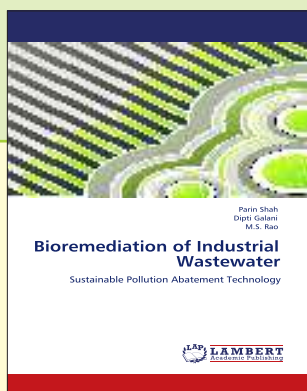
Dr. Jigar Shah, Department of Pharmaceutics, IP-NU, was awarded Ph D(Pharmacy) for his thesis entitled "Formulation, optimization and characterization of novel controlled ophthalmic drug delivery systems of some fluoroquinolones" from Ganpat University, Kherva in December 2011.

Expert Lectures Delivered by Faculty

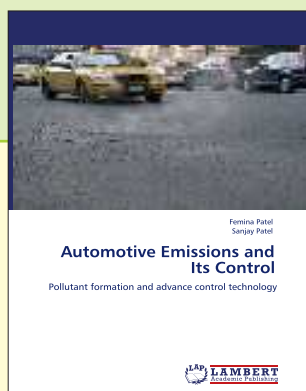
- **Dr. Sandip S. Trivedi**, of IT-NU on 'Seismic hazards and Microzonation – Status in India', at the short term training programme on 'Advances in Geotechnical Engineering', at SVIT, Vasad, on December 1, 2011.
- **Dr D S Sharma** of IT-NU on Geometric Dimensioning & Tolerancing TÜVSÜD South Asia for machine tools association, Rajkot on December 17, 2012.
- **Prof Vijay Ukani** of CSE department of IT-NU on 'Research Issues in Wireless Multimedia Sensor Network' at Gardi Vidhyapeeth, Rajkot during STTP on Imminent Mobile Computing on December 21, 2011
- **Dr. D. S. Sharma** of IT-NU on 'Finite Elements Analysis' at R.K. University, Rajkot on December 26, 2012.
- **Dr R N Patel** of IT-NU on 'Energy Economics and Management' at SVIT, Vasad in STTP on December 27, 2011.
- **Dr. A H Dwivedi** of IT-NU on 'Industries are waiting for you' in UGC granted one day seminar on 'The Role of Chemists in Industries and Research' in the wake of the celebration of international year of chemistry organized by Shri U. P. Arts, Smt. M.G. Panchal Science, & Shri V. L. Shah Commerce College, Pilvai, December 31, 2011 at Pilvai Science College, Gujarat, India.
- **Dr. Krishna Pal Malik** of IL-NU on 'Adjudication Authorities under ID Act and Recent Trends in Labour Laws' in a Training Programme for Representatives of Trade Union in December 2011 at MGLI, Ahmedabad.
- **Dr. P. R. Patel** of IT-NU on 'GPS fundamentals and use in Surveying' in two days Workshop on 'Advanced Surveying Instruments' at U. V. Patel College of Engineering, Ganapat University on January 3, 2012.
- **Dr. U. V. Dave** of IT-NU to the Mehta Group (Gujarat and Siddhee Cements, Ltd.) during January 3-4, 2012 on the topics 'Portland Pozzolana Cement for Civil Engineering Applications' and 'Portland Pozzolana Cement for Durable Concrete Constructions'.
- **Dr. Vimal Kumar** of IP-NU on Supercritical Fluids Technology (SFT) in Chemical and Biological Research during national seminar on 'Recent Trends in Chemical and Biological Sciences' at Government Holkar Science Autonomous College, Indore (M.P.) on January 15, 2012.
- **Dr. P. N. Tekwani** of IT-NU, on 'Developments and Research Avenues in the Field of Power Electronics' at National Conference on Engineering and Management (NCTM - 2012) held at Sankalchand Patel College of Engineering (SPCE), Visnagar, Gujarat, January 20–21, 2012.
- **Dr. M H Joshipura** of IT-NU on 'Introduction to Aspen.HYSYS' at STTP organized by Anchor Institute, DDU in collaboration with SCET, Surat on February 4, 2012.
- **Prof. Parin Shah** of IT-NU on topics related to 'Combustion' during Anchor Institute GPCB (Gujarat Pollution Control Board, Gadhinagar) course on 'Stoichiometry for Process Industries', during February 6-10, 2012.
- **Prof. Nimish Shah** of IT-NU on February 9, 2012 at the Anchor Institute GPCB (Gujarat Pollution Control Board) related to Stoichiometry for Process Industries with specific emphasis on 'Material Balance with Chemical Reaction'. The targeted participants were GPCB Engineers and Scientists.
- **Dr. Vimal Kumar** of IP-NU on Need for National Policy for the Promotion of Herbal Drugs, Phytopharmaceuticals & Natural Products in India Pharmacy Convention on 'Challenges & Issues in Pharmaceutical Sector in India' at DIPSAR, New Delhi on February 12, 2012.
- **Dr. Krishna Pal Malik** of IL-NU on 'Role of stakeholders under the Juvenile Justice Act' in a Training Programme organized by the Government of Gujarat and ICPS in February, 2012, and VV Giri National Labour Institute, NOIDA in February, 2012.



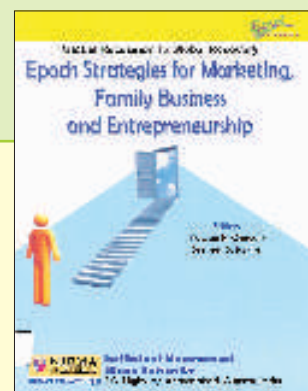
Books Published



Parin Shah, Dipti Galani, & M.S.Rao have published a book entitled, "Bioremediation of Industrial Wastewater - Sustainable Pollution Abatement Technology" by, LAP LAMBERT Academic Publishing GmbH & Co. KG ISBN: 978-3-8484-0394-3.



Prof. Femina Patel & Dr. Sanjay Patel of Chemical Engineering Department of IT-NU have published a book entitled, "Automotive Emissions and Its Control - Pollutant formation and advance control technology" Lambert Academic Publishing, Saarbrücken - Germany (2012). (ISBN 978-3-8473-4726-2).



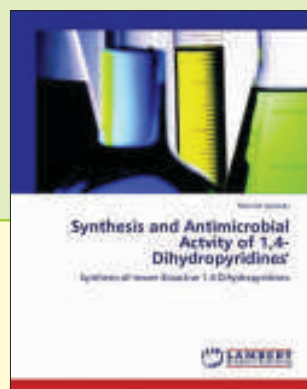
Pavan K Chugan, Sameer Pingle (Eds) of IM-NU 'Global Recession to Global Recovery: Epoch Strategies for Marketing, Family Business and Entrepreneurship', Excel India Publishers, New Delhi, ISBN : 978-93-81361-68-9.



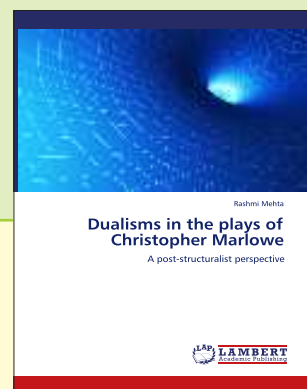
Sameer Pingle, Pavan K Chugan, (Eds) of IM-NU 'Global Recession to Global Recovery: Enhancing Enterprise Competitiveness through Human Capital and Operations Management', Excel India Publishers, New Delhi, ISBN:978-93-81361-73-3.



Pavan K Chugan, Sameer Pingle (Eds) of IM-NU 'Global Recession to Global Recovery: Macro and Micro Dynamics of Trade, Finance and Investment', Excel India Publishers, New Delhi, January 2012, ISBN : 978-93-81361-72-6.



Dr. Manish Solanki, Assistant Professor in Chemical Engineering Department, IDS-NU, has written a book titled "Synthesis and Antimicrobial activity of 1,4-Dihydropyridines" that is published by LAMBERT Academic Publishing, Germany with ISBN: (978-3-8473-3585-6) (International Book)



Dr. Rashmi Mehta of IL-NU published a book "Dualisms in the plays of Christopher Marlowe a post-structuralist perspective" by international publisher: LAP Publication of Europe December, 2011, ISBN 978-3-8465-1367-5.

Prof. Ankit Sharma of IC department of IT-NU has published a book, entitled, 'Object Detection in Image Using Particle Swarm Optimization', Lambert Academic Publishing, Germany, in February 2012. ISBN 978-3-8473-7922-5.

Dr. Sriram Seshadri, IS-NU published a book entitled 'Plant extracts against Pseudomonas aeruginosa- In vitro and In vivo studies' GRIN Publishing GmbH, San Francisco, USA, ISBN 978-3-656—12380-4, 2012.

Papers Published in International Journals/Magazines

- **Vijay Savani and N. P. Gajjar** of IT-NU of Electronics and Communication department have published a paper titled 'Self Healing System to mitigate Single Event Upset in SRAM based FPGA for Space Application' In Global Journal of Engineering and Applied Sciences, Volume 4, Issue 1, Page 188 – 192, in January, 2012.
- **Ganapati D. Yadav, Rajubhai K. Mewada**, of IT-NU 'Selectivity engineering in the synthesis of value added chemicals: Oxidation of 1-octanol to 1-octanal over nano-fibrous Ag–OMS-2 catalysts', Chemical Engineering Research and Design, Volume 90, Issue 1, January 2012, Pages 86-97.
- **A H Dwivedi** of IT-NU 'Polymorphism Issues in Pharmaceutical Industries' Instasci. Journal of Chemistry, 1(1) (Dec 2011), (2011), 11-17. [Invited review-New international peer reviewed journal] (ISSN to be received).
- **P.D. Shah, S.R. Dave, M.S.Rao** 'Enzymatic degradation of textile dye Reactive Orange 13 by newly isolated bacterial strain *Alcaligenes faecalis* PMS-1', International Biodeterioration & Biodegradation, 69 (2012) 41-50.
- **Ritu Singh**, Prof. Priyanka Sharma and S N Pradhan of IT-NU 'Optimization of Video Display Validation Technique for Set-Top Box using Efficient Searching Techniques', International Journal of Advancements in Technology (ISSN : 0976-4860 (Online)
- **Jayesh Aagja**, IM-NU co-author Toby Mammen and Amit Saraswat, Validating Service Convenience Scale And Profiling Customers: A Study in the Indian Retail Context, Vikalpa Volume 36 Number 4 October-December 2011, <http://www.vikalpa.com/pdf/articles/2011/Pages-from-Vikalpa36-4-25-49.pdf>, Indian Institute of Management, Ahmedabad, national journal, January 2012. page no.25-49.
- **Karuna Mahajan**, Assistant Professor, **Rina Parikh** Assistant Professor and **Amit Raval**, Lecturer from the Electronics & Communication Engineering Department, IDS-NU published a paper on 'Survey on Scrambling PRPR Reduction Technique with Explicit Side Information in OFDM' in CIIT- International Journal DEC-2011.
- **Vinita Rohera, Manjunath Ghate**, IP-NU, Silica-gel Catalyzed Facile Synthesis of 3,4-Dihydropyrimidinones, Bull Korean Chem. Soc., 33(1), 2012.
- **Vivek K Vyas and Manjunath Ghate**, IP-NU, 2D and 3D QSAR study on amino nicotinic acid and isonicotinic acid derivatives as potential inhibitors of dihydroorotate dehydrogenase (DHODH) Med Chem Res. DOI 10.1007/s00044-011-9837-4.
- **Masi Hasmin, Gajjar Anuradha, Savjani Jignasa, Masi Inayat**, IP-NU, Synthesis and Anticonvulsant Activity of Novel 2,5-disubstituted -1,3,4 - thiadiazole derivatives. International Journal of Pharm. Tech. Research, 3(4), 2011, 2017-2024.
- **Jasani N., Kapoor Megha, Tripathi Nagja, Acharya Niyati, Acharya Sanjeev, Kumar Vimal** IP-NU, Anti asthmatic and antiallergic activity of *Lagenaria siceraria* Mol. Standley, Journal of Natural Remedies, 12(1), 2012, 72-76.
- **Goyal Bhoomika**, IP-NU, Beneficial role of spironolactone, telmisartan and their combination on isoproterenol induced cardiac hypertrophy. Acta Cardiologica 2012 67(1)
- **Patel Snehal**, IP-NU, Prevention of diabetes-induced myocardial dysfunction in rats by fruit juice of *Embolica officinalis* Gaertn. Experimental and Clinical Cardiology. 2011, 16(3):87-91.
- **Patel Snehal**, IP-NU, Cardioprotective effects of gallic acid in diabetes-induced myocardial dysfunction in rats. Pharmacognosy Research. 2011, 3(4):239-245.
- **Patel Snehal**, IP-NU, Prevention of diabetes-induced myocardial dysfunction in rats by fruit juice of *Embolica officinalis* Gaertn. Experimental and clinical cardiology. 2011, 16(3):87-91.
- **Harshita Chaudhary, Prasant Kumar Jena, Disha Trivedi, Kaveri Purabdhara, Nidhi Vora, Pooja Nair, Karishma Sangtani, Sonal Thakur, Anita Saini, Shilpa Singh, Jigneshkumar Patel and Sriram Seshadri** IS-NU. Cathepsin D: A Novel Target for Apoptotic Induction, as a Future Anti-Cancer Therapy. Journal of Physiology and Pharmacology Advances, 2(2): 87-96, 2012.
- **Dr. Atul Bhatt**, IL-NU published a research paper, 'Library and Information Services in the Medical College Libraries of-Gujarat: An analytical survey' in well known peer reviewed journal 'Journal of Library and Information Science' (ISSN): 0970-714 X. This journal is published by Department of Library and Information Science, University of Delhi <http://dlis.du.ac.in/currentissue.html>

STAFF CORNER (Non-Teaching) Achievement in various fields

Paper Presentations

- **Lalitha Poluru**, IP-NU presented paper entitled 'Virtual Reference Service with Reference to Collaborative Virtual Reference Service' in Proceedings of Strategies for Managing Libraries in the Future – National Conference organized by IIM, Ahmedabad from December 7-9, 2011.
- **Svetal Shukla, Lalitha Poluru** IP-NU presented a paper on 'Skill and Competencies of Library Professionals: A VHRD

Approach' in Proceedings of Strategies for Managing Libraries in the Future – National Conference organized by IIM, Ahmedabad from December 7-9, 2011.

- **Sandip Patel, Virendra Goswami** IP-NU published a paper on 'Use of Open Source Software for Academic Libraries' in the 28th Library seminar-2012 (Raja Rammohm Roy Library Foundation Sponsored) Organized by the Gujarat Granthalaya Seva sangh, at Navsari on January 27-29, 2012.

Students' Corner

Students' Achievements

- **Mr. Hardik B Kothadia**, IT-NU won ISTE GSFC National Award for Best M.Tech. Thesis award in ME, under the guidance of Dr. R. N. Patel.
- **Mr. Chintan Bhomia**, student of 6th semester Chemical Engineering, IT-NU, was awarded the ISTE BEST STUDENT AWARD during the ISTE Convention (Gujarat Section) 2011, at Parul Institute of Technology, Vadodara on November 15, 2011.
- **Mr. Jayneel Dalal**, Student Electronics and Communication Department, IT-NU wrote the article 'Building Image Processing Embedded Systems using Python' which was published in Linux for You magazine, January, 2012 issue.
- **Rachit Oza** and **Nikhil Shah**, Chemical Dept., IT-NU published the Best Research Paper guided by Dr Sanjay Patel in High Impact Factor International Journal, given by IChE, on December 26, 2011.
- **Ms. Payal Raval**, Student of M.Tech (PEMD – Sem IV) IT-NU secured 2nd Best Paper Award at the National Conference on Technology and Management (NCTM 2012) held at Sankalchand Patel College of Engg., Visnagar from January 20 – 21, 2012.
- **Vivek Maheshwari, Swati Jha** and **Varsha Jain**, students of B.Tech (Sem VI – EE) IT-NU participated in a National Level Engineering Student Project Competition, Engineer Infinite for the project titled "Automatic Measurement and Correction of Power Factor for various Industrial



A team of students of Mechanical Engg., IT-NU participated in National Level Automobile Competition (BAJA SAE 2012) and won the First Prize for Technology Innovation.

Loads" which was funded by IEEMA (Indian Electrical & Electronics Manufacturers Association) in ELECRAMA 2012 during January 18 - 22, 2012.

- **Rushi Parikh** (M. Tech. – CASAD) and **Vivek Tiwari** (B. Tech. – Civil) were awarded GICEA Medal for first rank at M. Tech. and B. Tech. respectively on January 10, 2012.
- **Ajay Modi**, student of BTech CE, IT-NU has published paper in International Journal of Computer Applications. Title of the paper is SSL Enhancement published in IJCA Special Issue on "Network Security and Cryptography (NSC)" with effect from December 23, 2011.
- **Ms Swati Jindal**, student of MTech ICT, IT-NU has got Global Recognition Award at Intel for her work towards her MTech Third Semester Major Project work.

- **Vyoma Maroo, Pujita Yadava, Anisha Agarwal** of B.Tech Sem. IV (Chemical Engg.), IT-NU won the Wipro Earthian Face Off Challenge 1st Position for the paper entitled 'Wheat Gluten : a potential substitute for biodegradable plastics' guided by Prof. Neha Patni in the National Level competition named EARTHIAN organized by WIPRO on January 21, 2012.



Moot Court Achievements

The team comprising of **Swarnabh Dutta, Vijita Mohan, Ritu Modi** and **Sandeep Bansiwal** of Semester VIII participated in the India Rounds of the 5th Frankfurt Arbitration Moot Court Competition in New Delhi on February 9, 2012. The IL-NU team defeated teams Pan India before reaching the final wherein they defeated NUJS, Kolkata. The team has been conferred with the Best Indian Team Award and Swarnabh Dutta was given the 2nd Best Speaker Award. Now the team would represent India in the International Rounds of the 5th Frankfurt Arbitration Moot Court Competition which would be held in Frankfurt, Germany.



A team comprising of **Nikhil Sharma, Kapil Purohit** and **Himanshu Purohit**, IL-NU participated in 2nd Justice P.N. Bhagwati International Moot Court Competition 2012 held in February 2012. In this competition, Nikhil Sharma of 8th semester was adjudged as Best Advocate for the Competition. Their team also won 4th Best Memorial Award.



IL-NU team comprising of **Shreyansh Jatakia, Sowbhagya Rao** and **Aishwarya** participated in prestigious 7th ICC International Commercial Mediation Competition 2012 held in Paris, France. Aishwarya got the best researcher award in the competition. IL-NU bags the Best Memorial Award.



The team comprising of **Utsav Gandhi, Nivedita Gajjar** and **Aparana Jaiswal** of Semester VI participated in the 4th GNLU International Moot Court Competition from in February, 2012. 37 teams participated in the Competition including the teams from Sri Lanka, Nepal and the United States. The IL-NU team defeated Sri Lanka and GLC Mumbai in the preliminary rounds in the Competition. The team also won the 2nd Best Memorial Award.

Another team of **Shrutinder Kaur, Shivani Vyas** and **Ruchita Sharma** participated in the prestigious KK Luthra Memorial Moot Court Competition held at New Delhi wherein 65 top colleges from all over the country participated.

The IL-NU Team once again won the 6th Annual IIPS Moot Court Competition based on the Intellectual Property Rights. The students of 6th semester namely **Khyati Shah, Nagendra** and **Surabhi Pathak** have been awarded with the Best Team Trophy. The IL-NU team defeated the teams from School of Excellence, Chennai; Amity Law College, Delhi; ILS, Pune and Symbiosis Law College, Pune during the different rounds of the Competition.





- The team comprising of **Keshav Verma**, **Arzoo Virmani** and **Preeti Sharma** participated in the 10th Justa Causa National Moot Court Competition, from in February, 2012. In this Moot Court Competition Keshav Verma was adjudged as Best Mooter of the Competition.
- **Shruti Jain** of MBA-FB&E IInd year, IM-NU won the first prize in the Business and Management Institute (PG LEVEL) category at ENCOR2 – The Presentation Design & Delivery Contest conducted by Jaipuria Institute of Management, Indore, on December 3, 2011.
- **Ansari Afjal Rafiq**, a student of IV semester of Computer Engineering Department, IDS-NU won the first prize for his essay on 'Youth and Democracy' in an essay competition organized in Annual Youth Citizenship Festival 2011-12 on December 4, 2011. The festival was organized by The Difference and Centre for Social Justice (CSJ) and was supported by Gujarat National Resources Environment (NRE) and Mahiti Adhikar Gujarat Pahal (MAGP).
- **Ms Gargi Lakwani** (IP-NU) won best innovative M Pharm thesis award (National level competition) in area of Quality Assurance jointly organized by MSME supported by Department of Science and Technology, New Delhi and Troikaa Pharmaceuticals Ltd. Dr Priti Mehta (IP-NU) received first prize in guide category for the same, 2012.
- **Mr. Prerak J Patel**, Ph.D. Research Scholar, IP-NU has been awarded the second best research poster award entitled 'Natural Tripeptide Conjugated Albumin Nanocarriers for Delivering Hydrophilic Fluorescent Marker across the Blood Brain Barrier' at the International Conference NANOBIO 2012 held at Amrita Centre for Nanosciences and Molecular Medicine, Kochi, Kerala during February 21-23, 2012.
- **Mr. Somsuvra Ghatak**, IP-NU, under the guidance of **Dr Shital Panchal**, received third prize for best poster



presentation entitled "Attenuation of Diabetic Nephropathy by Oryzanol Isolated from Crude Rice Bran Oil in Experimental Animal Models" 5th International Conference on Clinical Pharmacology – Discovery Development and Beyond by South Asian Chapter (SAC) of American College of Clinical Pharmacology (ACCP), held at Bombay, August 27-28, 2011.

- **Mr. Devang Shelat**, M Pharm sem IV (IP-NU) secured First Prize for Poster entitled "Pterocarpus Marsupium: A Potential Perspective for Effective Management of Lifestyle Disorders" in GUJCOST sponsored one day National seminar on Pharmaceutical Education Development: Need of Academia and Industry Harmonization on, March 2, 2012 at Shri B.M.Shah College of Pharmaceutical Education and Research, Modasa.
- **Ranjit Tank, Herin Shah**, B.Pharm sem-IV (IP-NU) won first prize in Quiz A in Avalanche'12 held at Ramanbhai College of Pharmacy, Changa, February 3-4, 2012.
- **Maitri Mehta, Shruti Patel**, B.Pharm sem-IV (IP-NU) won first prize in Poster competition (Pharmacognosy) in Avalanche'12 held at Ramanbhai College of Pharmacy, Changa, February 3-4, 2012.
- **Neel Changela, Paras Patel**, B.Pharm semVI (IP-NU) won first prize in Debate competition in Avalanche'12 held at Ramanbhai College of Pharmacy, Changa, February 3-4, 2012.
- **Devangi Derasari and Dishang Gandhi**, B.Pharm sem-VI (IP-NU) won second prize in Quiz-B in Avalanche'12 held at Ramanbhai College of Pharmacy, Changa, February 3-4, 2012.
- **Dhruv Desai, Neetu Singh, Vaibhav Gohil, Khevana Pandya** B Pharm (IP-NU) won first prize for Drama and Quiz in Inter Pharma League 2012 held at SJ Thakkar Pharmacy College, Rajkot, January 24-27, 2012.
- **Mr. Neeraj Sharma**, Ph.D. Research Scholar, IP-NU has been awarded First Prize for oral presentation entitled "Novel photo-sensitive liposomes using naproxen for triggered drug release" during national seminar on "Recent Trends in Chemical and Biological Sciences" at Government Holkar Science Autonomous College, Indore on January 13-15, 2012.

Book Published

- **Navshesh Bikram Kshetri**, and **Akshey Khandelwal** of IL-NU "Indian Democracy: Incomplete without Judicial Accountability and Independence of Judiciary", a book 'Contemporary Challenges And Prospects For Strengthening Rule Of Law And Democracy In The Midst Of Anarchy And Chaos In The Indian State Separation Of Powers', published by Gujarat National Law university ISBN no is - ISBN 978-81-910389- February 3-4, 2012.

Students' Activities

Academic Initiatives

NuTECH – 2012 First National Level Technical Symposium of IT-NU

The first National Level Technical Symposium of IT-NU, NuTech-2012 was organized during February 16–18, 2012. More than 2500 students of various institutes from all over the country have participated. Honorable Chief Minister of Gujarat, Shri Narendrabhai Modi inaugurated the function in the presence of Dr. Karshanbhai Patel and Director General, Nirma University, Dr. N. V. Vasani.



NuTECH – 2012 First National Level Technical Symposium of IT-NU

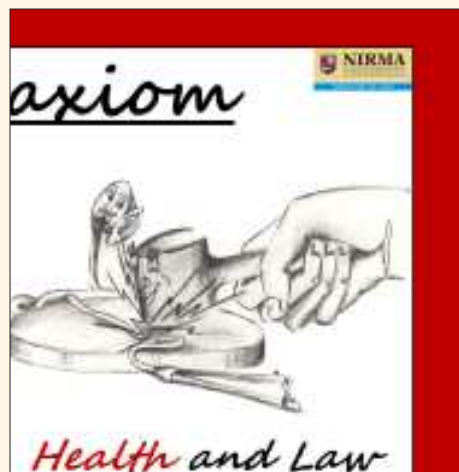
Workshop on Web-Hosting : On February 9, 2012, a “Workshop on Web-Hosting” was conducted by students of MCA under the Association of M.C.A Students (AMS), IT-NU. A.M. Divij Choudhry, Aamir Hakimand and Zahir Dhada, students of MCA conducted the event.

Connaissance, 2012



The literary and debate society organized Connaissance which is an annual event organised by the IL-NU. It started as an in- house event and over the years has expanded its horizons to be a state level affair. 12 colleges with 130 students participated in the event held on January 9-10, 2012

Students' Magazine –Axiom



The student's magazine Axiom was unveiled in the valedictory session of the BCI Moot Court Competition. It was unveiled by Hon'ble Mrs. Justice Gyan Sudha Mishra of Supreme Court of India.

Social Initiatives

- Mechanical Engg Students Association (MESA), IT-NU organized a one day workshop on ROBOTS for school students February 21, 2012.
- Through Mechanical Engg Students Association (MESA), IT-NU A well known BPO MOTIF organized a charity walk on February 12, 2012. The fund collected from charity walk was distributed to various NGOs to help the village people.

- Rotaract Club of IM-NU organised on January 19, 2012 'Manthan-2012', an Intra-university event with a format of Model United Nations Assembly model.
- The social club of IM-NU organized a national level business plan competition "Prayaas – The Big Social Idea Contest" on February 11, 2012. The final round had five leading teams IRMA, MICA, Welinkar, Mumbai, DoMS, IIT Roorkee and IMNU. IRMA won the final contest.

Cultural Initiatives

- Rotract Club of Nirma Institutes organised National level cultural event "HORIZON-12" during February 2012.
- Spic Macay had presented a concert "Swara" by Padmashree Pandit Vishwa Mohan Bhatt-Grammy Award Winner and creator of Mohan Veena on February 22, 2012 at IM-NU.
- Perspective, the annual management festival of IM-NU of various b-schools across the country was organized on

February 10-11, 2012. The students from IIMA, IIMI, MICA, IIFT, NITIE, NMIMS, K J SOMAIYA participated in the event. The event had different contests built around various learning activities.

- A national level business quiz for MBA aspirants was organized on January 22, 2012 and February 11, 2012 at IM-NU. School of Law, Christ University, Bangalore was the winner of the quiz.



Intra-Institute Cultural Festival : Festoria 2012 : January 10-11, 2012. A cultural evening showcasing the extra-curricular talents of the students of IL-NU was organised on January 11, 2012. Students participated in various events like Ethnic Wear Show, Singing (Solo and Duet), Dancing and IL-NU Band performance. Later a local rock band "Meghdhanush" entertained the students' gathering.

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Sports Initiatives

- Chemical Engineering Students' Association (ChESA), IT-NU organized Chemical Cricket Cup at departmental level in the month of January 2012 in which teams from IV, VI and VII semesters took part.
- Nirma Champions League [NCL], the annual sports meet of IM-NU – NCL-2012 a week long event was organized from January 16-22, 2012.

Alumni Corner



Prof. V. R. Iyer, Principal, IDS addressing the alumni in an open house session at the Annual General Meeting

NIDSAA, IDS-NU organized Annual General Meeting and get-together on December 24, 2011. The new members on Board of Management were selected in the meeting, which was followed by a musical entertainment programme. A feedback was also taken from the alumni to facilitate the upgradation in the current curriculum.



The 4th Annual Meet of IPNUAA (IP-NU) was organized on Saturday, December 24, 2011. About 90 alumni members and 81 student members attended the annual gathering along with all the faculty members of IP-NU.



IT-NU Alumni get-together was organized on December 31, 2011. The issue of magazine SETU was released on the occasion.

- **Dr. Ameesh Pandya**, of 1999 batch Electronics and Communication, visited the department and delivered a talk on Current Technology to the students of M. Tech VLSI, IT-NU on January 16, 2012.
- **Mr. Dhaval Bhagat**, presently employed with Motorola in the USA and Founder president of ChESA, 1995 batch, had an insightful interaction with B.Tech Chemical VIII semester students, IT-NU on various aspects including work culture and ethics in the US.
- **Mr. Vinit Sheth**, Business Manager, Masibus Automation & Instrumentation Pvt. Ltd., Gandhinagar, spoke on "Current Scenario in Industry and Expectations from Engineering Graduates", IT-NU on February 21, 2012.

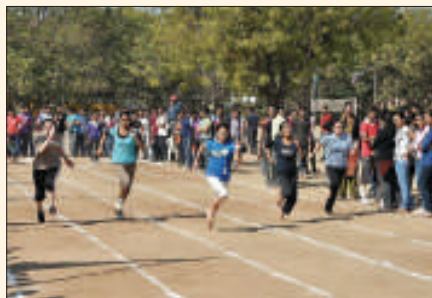
Republic Day



Our National Festival on January 26, 2012 – Republic Day was celebrated in nationalistic fervour. Mr. Justice Girish T. Nanavati was the Chief Guest.

Co-curricular & Extra-curricular Activities

The annual sports meet was held on February 1-2, 2012. The meet was inaugurated by Dr. Ketan R. Patel, Chairman & Managing Director – Troikaa Pharmaceuticals Ltd.



The winners of the Athletic events

EVENT	BOYS	INSTITUTE	GIRLS	INSTITUTE
100 mts Run	Parth Shah	IP-NU	Niyati Sheno	IT-NU
400 mts Run	Parth Patel	IT-NU	Renu Dubey	IT-NU
800 mts Run	Nehpal Singh	IL-NU	--	--
1500 mts Run	Jogani Nirav	IDS-NU	--	--
Long Jump	Parth M. Patel	IT-NU	Surbhi Pareek	IL-NU
High Jump	Dave Hemang	IDS-NU	Anuja K. Tole	IT-NU
Short put	Dhruv	IL-NU	Makwana Palak	IDS-NU
Discuss Throw	Patel Nishan	IDS-NU	Makwana palak	IDS-NU

The annual Inter Institute Cultural Festival (Culfest 2012) was held on January 20-21, 2012. The festival saw a robust participation of winners from all the institutes in each of the events. Prominent experts in each category were invited to judge the excellent performances.



The winners of Culfest 2012

Category	Event	Name of winner
Theatre	Drama	IT-NU
	Skit	IP-NU
	Mime	IT-NU
	Mono Acting / Mimicry	IDS-NU
Fine Arts	Collage	IT-NU
	Rangoli	IT-NU
	On the spot painting	IDS-NU
	Cartooning	IT-NU

Category	Event	Name of winner
Literacy	Debate	IDS-NU
	Elocution	IL-NU
Dance	Solo	IL-NU, Group – I
	Folk	IDS-NU Group – I
	Group	IT-NU Group – I
Singing	Solo	IT-NU Group – I
	Duet	IDS-NU Group – II
	Group	IT-NU Group – I
	Vocal	IDS-NU
	Instrumental	IT-NU



Forthcoming Events

No.	Event Name	Date of Event	Institute
1	DACUM on 'Motor Rewinder'	March 14, 2012.	IDS-NU
2	Arbitration Training Workshop for students	March 16-17, 2012.	IL-NU
3	Mould Design using Pro-E for Students	April 2012.	IDS-NU
4	ICMR (Indian Council of Medical Research) Sponsored national workshop on 'Modern Instrumental Techniques in Herbal Drug Research'	April 10-11, 2012.	IP-NU
5	Techniques to improve Communication Skill (For MCA-IV semester students only)	April 10 to 17, 2012.	IT-NU
6	The 1st IL-NU International Moot Court Competition	April 13-15, 2012.	IL-NU
7	3D CAD Solid Modelling for Students	May 2012.	IDS-NU

- **NU** **Nirma University**
- **IT-NU** **Institute of Technology, Nirma University**
- **IM-NU** **Institute of Managment, 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**

