



NIRMA
UNIVERSITY

Nirma University

Newsletter

Quarterly Newsletter

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News at a Glance

Recognition

Nirma University has been accorded recognition as Scientific & Industrial Research Organization (SIRO) by the Department of Scientific & Industrial Research (DSIR), Department of Science & Technology, Government of India with effect from May 30, 2014. The long and excellent record of research done at Nirma University has brought this coveted recognition. It has made us eligible to apply for research grants at various agencies, and avail exemption in customs duty, central excise duty on purchases related to research.

CERTIFICATE OF REGISTRATION

This is to certify that Nirma University, Ahmedabad, Gujarat is registered with the Department of Scientific and Industrial Research (DSIR) for purposes of availing customs duty exemption in terms of Government Notifications No. 81/90-Customs dated 23rd July, 1990 & No. 24/2007-Customs dated 1st March, 2007 and Central Excise duty exemption in terms of Government Notifications No. 10/97-Central Excise dated 1st March, 1997 & No. 18/2007-Central Excise dated 1st March, 2007 as amended from time to time. The Registration is subject to terms and conditions mentioned overleaf.



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From The Director General's Desk

Dear Reader

Universities are under attack due to their lack of focus on employability from the various sections of society. Of course, the fundamental purpose of a university is to disseminate knowledge to students as well as to create knowledge. A university is the prime mover of the knowledge society and nurtures the knowledge worker. However, in the present times, the expectations of students and parents from the university are changing fast. They want a university to provide education that enhances the employability of students. In the same vein, the corporate world complains that universities in general do not provide education that is strongly linked with employability skills. It laments that university education is too theoretical to produce practical graduates.



Such feedback from students, parents and recruiters must press a higher education institution to reflect, review and revise its educational offerings. The purpose of higher education is to serve society through employable graduates. Furthermore, it adds value to students through increasing their employability. It necessitates that the university is closely linked to the corporate world and revises its curricula and pedagogies to adjust to the changing needs of the corporate world.

There are some fundamental employability skills, such as communication, critical thinking, leadership, teamwork, problem solving and quantitative skills. Employability also requires that a programme judiciously balances between developing knowledge and skills. Knowledge is necessary but not sufficient for employability. Skills are a critical component of employability. Last but not the least, positive outlook is a must for success on-the-job. Positive thinking helps an individual to find solutions, even in the most difficult situations. Conversely, a negative person cannot give results even in the best situations.

In the backdrop of the above, a university has to go beyond knowledge dissemination. Rather, it has to provide applied knowledge in the different fields of employment. Further, it has to develop skills, using simulations, projects, lab work and internships. It has to closely link to the corporate world and give state-of-the-art instruction. Finally, it must focus on the all-round development of students so that they develop meaningful life goals and life skills.

Nirma University, through outcome-based education, primarily focuses on the enhanced employability of students and provides career guidance to them on a continuous basis. It upgrades the curricula, teaching-learning methods and facilities so that the students have the skills required by the corporate world.

I am sure the current issues of the Newsletter brings to you some interesting stories about our headway.

Happy reading

Anup Kumar Singh, PhD
Director General

Editorial

Month of September is special because it starts with celebration of people who are instilling in students- "art of living well" (Aristotle). The birthday of Dr S. Radhakrishnan celebrated as Teacher's day on 5th September, fuels the energy and commitment of the teachers all across. A man with humble background and great vision, he said, "Teachers should be the best minds in the country". The responsibility of the teachers does not end with delivering the lecture but starts with this act. As Sydney Hook- an American philosopher has pondered so aptly, "Everyone who remembers his own education remembers teachers, not methods and techniques. The teacher is the heart of the educational system."

The role teacher plays is myriad-Facilitator, mentor, counsellor, cheerleader, guide, philosopher, fellow learner, knowledge creator and more. We live in knowledge society in which learning society is created by educators. This is a time where knowledge begets knowledge, new capabilities are explored and innovation is the buzz word. This society demands continuous innovation which can only be resulted from lifelong learning, knowledge generation, and knowledge sharing. Onus is upon universities and teachers-to adapt, adept and adopt. Need is to embrace the change in Education technology; need is also to celebrate teachers who are the keystones of the entire society.

The Editor

Other News

Institute of Architecture Inaugurated

Founded in 2014 and led by Prof. Utpal Sharma, the Institute of Architecture, Nirma University (IA-NU) hosted its inaugural on August 1, 2014. Padmashri Dr Karsanbhai K. Patel, President NU, presided over the function along with Chief Guest- eminent architect and educationist, Padmashri Dr B. V. Doshi and Prof Uday Gadkari, President, Council of Architecture.

The organization of the five year B. Arch programme aims in enchantment and mobilization of creative thinking from initial years, progressing to next dimension of design with environment and society. The course includes modules of site and town planning with regulations and context study in addition to varied subjects of landscape, urban design, interior design and sustainability in subsequent semesters. Final two years will be building practical base by facilitating one year internship and handling independent project through design and research thesis.

Present on the occasion were also the parents of the students admitted to the first batch of the institute. Dr Anup K. Singh, Director General, NU also shared his vision for the new Institute and assured that Nirma University is committed to make IA-NU a landmark in the field of Architectural education.



Dr B. V. Doshi, Chief Guest of the Inauguration of IA-NU, addressing the gathering



Dr B. V. Doshi, Dr Karsanbhai K. Patel, Dr Anup K. Singh and Prof Uday Gadkari lighting the lamp at IA-NU

MoU Signed

IP-NU signed MoU with CII Centre of Excellence in Nanotechnology (COENT), Ahmedabad on July 15, 2014.

Awards

Jigar Patel and Sahil Shah of IT-NU have won the Shri Dewang Mehta IT Awards-2014 for their project titled 'Stock Market Analysis using Machine Learning Algorithms'. The award comprises a cash prize of Rs. 1 Lac. The project was guided by Prof. Priyank Thakkar of IT-NU.

New Facilities Added

The new research laboratory of IS-NU was inaugurated on July 1, 2014 by Dr Anup K. Singh, Director General, NU.



Dr Anup K. Singh, Director General NU inaugurating the new research laboratory at IS-NU, seen along with him in the photograph are Prof. B.J. Rao, TIFR, Mumbai and Dr Sarat Dalai, Director, IS-NU.



Expert Lectures by Eminent Guests on Campus



Prof. Bjorn Karlsson, Professor, Engineering and Natural Sciences, Faculty of Civil and Environmental Engineering, University of Iceland, Raykjavik on 'Fire Safety Engineering in Buildings' at IT-NU on August 28, 2014



Ar. Prasanna Desai, Architect, Pune on 'Architecture and Education' at IA-NU on August 21, 2014



Mr. Manoj Jagyasi, Revenue Head-North India, Gujarat & MPCG, IBN Network on 'Marketing=Advertising' at IM-NU on August 9, 2014



Dr Vinod Agarwal, Social Anthropologist on 'Man & Society' at IA-NU on August 6, 2014



Dr Seema Khandwalkar, Communication Specialist on 'Art of Communication' at IA-NU on August 6, 2014



Ar. Rajeev Kathpalia, Practicing Architect & Urban Designer, Vastu Shilp Consultants on 'Nature of Architecture' at IA-NU on August 5, 2014



Ar. Yatin Pandya, Practicing Architect & Academician on 'Elements of Space Making' at IA-NU on August 4, 2014



Ar. Lokendra Balsaria, Practicing Architect & Landscape Architect on 'Professional Practice in Architecture' at IA-NU on August 4, 2014



Ar. Anup Dave, Architect, Ahmedabad on 'What is Architecture?' at IA-NU on August 4, 2014



Prof. Sunil S. Jambhekar, LECOM, School of Pharmacy, Bradenton, USA on 'Graduate Education in the USA: Choosing correct Discipline and School' and 'Absorption Rate Constant; Its Interpretation, Significance, and Determination' at IP-NU on July 30, 2014



Mr. Kaushik Shah, Director, Sushen Medicamentos Pvt. Ltd. Ahmedabad on 'The Scope of Pharmacy' at IP-NU on July 22, 2014



Mr. Peush Narang, Director of Antar Advisors Pvt Limited on 'International Marketing in Textile Industry' at IM-NU on July 11, 2014



Mr. S. B. Mahajani, Deputy General Manager, Amtech Electronics (India) Ltd., Gandhinagar on 'Smart Grid Technology' at IT-NU on July 2, 2014



Mr. G. K. Panchal, Consultant, Yadav Measurements Pvt. Ltd., Udaipur on 'Smart Metering and its Benefits to the Society and Consumers' on July 2, 2014 at IT-NU

The details of other expert lectures delivered by the Eminent Guests are as listed underneath:

Name of the Expert, Designation and Organization	Topic	Institute	Date
Mr. Ketan P. Dhruv, Deputy General Manager, Bosch Rexroth (India) Ltd	Production and Quality Management	IT-NU	August 28, 2014
Mr. Ashwin V. Parikh, Director, International Business Development	Corrosion Coating and Compression	IT-NU	August 25, 2014
Mr. K. S. Parikh, Deputy Director, Satellite Navigation and Application Area, SAC, ISRO, Ahmedabad	Advances in Satellite Communication	IT-NU	August 21, 2014
Prof. Asha Kaul, Professor, IIM, Ahmedabad	Walk the Talk and Talk the Walk	IT-NU	August 21, 2014
Mr. N.S. Soman, Director of School of Legal Studies, CUSAT, Cochin	Right to die: A Corollary to the Right to Life	IL-NU	August 20, 2014
Mr. K.N. Chandrasekharan Pillai, Former Director, National Judicial Academy, Bhopal	Constitutionalizing the Criminal Law in India	IL-NU	August 20, 2014
Mr. Jyotil Mankad, GM & Head - Cloud Services (India), Tata Communications	Technology: Transforming Business	IM-NU	August 8, 2014
Mr. P. K. Ghosh, Retd. IAS Officer	Development & Environmental Sustainability	IA-NU	August 6, 2014
Mr. Soenke Hoof, Architect, Partner, Vastu Shilp Consultants	Between the two Worlds	IA-NU	August 4, 2014
Dr R.K. Khar, Principal, Ananagpuria College of Pharmacy, Faridabad	Empowering Pharmacist: R& D Perspective	IP-NU	August 1, 2014
Prof. Bela Pithambaran, University of Sciences, Philadelphia, USA	Deciphering the Role of Secondary Metabolites from Plants as a Source of Antimicrobial and Anticancerous Compounds	IP-NU	August 1, 2014



Dr Debductta Bandyopadhyay, Head, In Vitro Cell Biology, Zydus Research Centre	Qualities required for good Research	IP-NU	July 24, 2014
Dr Jyoti Paliwal, Head, Medical Services, Troikaa Pharmaceuticals, Ahmedabad	Career Prospective in Pharmaceutical Sciences	IP-NU	July 24, 2014
Mr. C G Ramtirth, Retired Divisional Electrical Engineer, Electric Loco Shed, Vadodara	Transformer Health Assessment	IT-NU	July 11, 2014
Mr Anang Shah, Production Manager, Suvik Electronics Pvt. Ltd., Gandhinagar	Pollution in Electricity	IT-NU	July 10, 2014
Mr. Rajendra Desai, Managing Trustee & Hon. Jt. Director, National Centre for Peoples' Action in Disaster Preparedness (NCPDP), Ahmedabad	Retrofitting of Masonry Structures	IT-NU	July 10, 2014
Dr S.R. Dave, Director, School of Sciences, Gujarat University	Types of Research Design and their Importance	IP-NU	July 08, 2014
Dr Kaushik Banerjee, Head, IPR, Cadila Health Care Ltd., Ahmedabad	Patent Drafting and Writing Skills	IP-NU	July 04, 2014
Dr Gopal Kundu, Scientist 'G', National Centre for Cell Science, An Autonomous Institute of Department of Biotechnology, Govt. of India	Research Methods and Study Design on Therapeutic and Diagnostic Application in Cancer	IP-NU	July 01, 2014



Mr. P. K. Ghosh at IA-NU



Mr. Soenke Hoof at IA-NU



Events

The Operations Management Conclave

IM-NU organized Prayojan-The Operations Management Conclave with the theme 'Global Excellence through Innovation' on August 22, 2014. The Conclave proved to be a forum of interactive discussions between the students and industry. The inaugural session was addressed by Mr. Kel Kearns-Plant Director, Ford Assembly Plant, Sanand.

The other speakers of the conclave were Mr. Sukhendu Patnaik -Head (Business Excellence, Asia Pacific Region), Abbott, Mumbai; Mr. Yatindra Sharma- MD, KHS Machinery, Ahmedabad; Capt. Sansaar Singh Chaube- GM & Head of Marine Operations, Adani Port, Mundra; Dr Rajiv Desai, Senior VP, Alembic Pharma, Vadodara and Mr Amit Sharma, Associate VP, Future Retail, Mumbai. The valedictory session of the conclave was addressed by Mr. Yash Sowale, Business Analytics Expert, Capgemini, Pune.



A glimpse of Prayojan-The Operations Management Conclave at IM-NU

Annual Public Lecture Series

Annual Public Lecture Series for the senior students was organized at IL-NU during July 22- 24, 2014 wherein various legal luminaries visited the Institute to give expert lectures on various topics. The dignitaries included Mr. Murli Neelakantan, Global General Counsel at Cipla Ltd; Dr Mohan Gopal, Director, Rajiv Gandhi Institute of Contemporary Studies, Prof. Upendra Baxi, Professor of Law at the University of Warwick, United Kingdom and Prof. Aftab Seth, the Ex. Ambassador, Ministry of External Affairs, Government of India.

Fourteenth Henry Dunant Moot Court Competition

IL-NU in collaboration with International Committee of the Red Cross (ICRC), New Delhi and Indian Society of International Law (ISIL), New Delhi organized the Fourteenth Henry Dunant Moot Court Competition 2014, North Zone India Rounds from August 1 to 3, 2014. Legal luminaries such as Hon'ble Mr. Justice A.K. Patnaik,, Judge (Retd.), Supreme Court of India; Hon'ble Mr. Justice R. R. Tripathi, Judge, High Court of Gujarat; Hon'ble Mr. Justice M. R. Shah, Judge, High Court of Gujarat and Hon'ble Mr. Justice K. J. Thakkar, Judge, High Court of Gujarat graced the occasion.



Fourteenth Henry Dunant Memorial Moot Court Competition at IL-NU

Induction Programme

The first year fresh batch of BBA-MBA (Five Year Integrated Programme), batch 2014-19 commenced on July 14, 2014. The programme was inaugurated by Mr. Kavan Purohit, Director- HR, SNL Financial India Pvt. Ltd. He delivered the inaugural address. The resource persons who addressed the students included Ms. Nandini Raval, Executive Director, Blind Peoples Association; Mr. Mohit Mangal, Director, IQIdeas and Mr. Achal Rangaswamy, Business Strategy Advisor & Cultural Climate Facilitator, ANR Inc, Director, ACT Ltd. A spiritual discourse on 'The Art of Mind Control' by Prabhu Rohini Nandan Dasa, Hare Krishna Mandir was also a part of the orientation programme.

Analysis of Union Budget

A session on Analysis of Union Budget for the Financial Year 2014-15 was organized on July 16, 2014 at IM-NU. Mr. Sunil Parekh, Strategic Advisor- Zydus Cadilla was invited as the resource person. All the students and faculty of the institute participated in the session.



Mr. Sunil Parekh at IM-NU

Orientation Programmes

IS-NU

Orientation Programme for newly admitted students of IS-NU was organized during July 1-5, 2014. The inaugural session included enlightening talk entitled 'Biology is a different science' by Dr B. J. Rao, TIFR, Mumbai, chief guest of the function. Dr Anup K. Singh, Director General, NU presided over the function. Eminent speakers included Dr Man Singh, Central University of Gujarat, Dr Ashima Bhardwaj, IJAR, Gandhinagar and Dr Frenny Sheth, Human Genetic Institute, Ahmedabad.

IP-NU

IP-NU organized Orientation Programme for the new entrants of M. Pharm and M.Sc. in Cosmetic Technology during July 22-26, 2014. Mr. Kaushik Shah, Director, Sushen Medicamentos Pvt. Ltd., Ahmedabad was the chief guest of inaugural function and Dr Anup K. Singh, Director General, NU, presided over the function.

The Orientation Programme for B. Pharm new entrants (2014-15) was organized during August 28 to September 2, 2014. Dr Ravisankar Santhanam, Director, Clinical Development, GVK Biosciences Pvt. Ltd., Ahmedabad was invited as chief guest of inauguration function and delivered a talk on focusing on scope and prospectus of pharmacy. Dr Anup K Singh, Director General, NU was the president of the function.

Medicinal Plantation Drive

IP-NU organized a plantation drive to plant medicinal plants in Nirma Herbal Garden at IP-NU on August 8, 2014. Dr Anup K. Singh, Director General, NU; Shri K. K. Patel, Chief Operating Officer, NU; Shri D. P. Chhaya, Director (G&AA); Dr A. S. Patel, I/c Executive Registrar, All Heads of the Institutions, Faculty members and NIPSA students participated in the event to make it a big success.



Seen in the photograph are the Senior Officers of the University, Heads of the Institutions along with the faculty and students during the Plantation Drive at IP-NU



Dignitaries on the dais during the M.Pharm Orientation Programme at IP-NU

Workshop for the Graduating Batch

A three-day professional and placement training workshop for the graduating batch of 2015 of IL-NU was organized by the Campus Recruitment Cell at the Institute during May 29-31, 2014.

IL-NU

Orientation Programme for the first year students of IL-NU was organized during July 7-9, 2014. The programme was graced by various legal, academic and industry dignitaries as Prof. Venkata Rao, Vice Chancellor, NLSIU, Bangalore; Dr Rohit Patel, Director, Symcom Ltd., Ahmedabad; Mr. Gagan Sethi, Chairperson, Centre for Social Justice, Ahmedabad; Dr Nigam Dave, Dean, School of Liberal Studies, PDP, Gandhinagar; Mr. Sanjay Chakraborty, Associate Vice President, Triton Communications, Ahmedabad and Mr. C. K. Thakker, Retd. Judge, Supreme Court of India.



Parents, teachers and students praying for a good start during the Orientation Programme at IL-NU

IT-NU

IT-NU organized a two-week Orientation Programme for M.Tech first year students during July 14-25, 2014. The Institute also organized Orientation Programmes for B.Tech first year students from July 1 to 7, 2014 and for MCA first year students from August 4 to 6, 2014.



A Glimpse of the Orientation Programme at IT-NU

IA-NU

IA-NU organized orientation and perception study programme for its newly admitted students from August 4-9, 2014. The students were acquainted with the vastness of the profession through various expert lectures delivered by eminent architects, sociologist, artists, Developer and IAS officer from Ahmedabad and around.

Mr. Jayesh Shukla and Ms. Shaifali Desai - Senior Artist & Sculptors conducted clay workshop for the students on August 5, 2014. Students were also taken for the Heritage walk around the old city of Ahmedabad in the morning on August 7, 2014. The students visited different locations of the city for perception study during August 8-9, 2014.



The Clay Workshop at IA-NU

Refresher Course

IDS-NU organised a refresher course on 'Control Engineering' for faculty members of Electronics and Communication Engineering and Electrical Engineering during July 1-5, 2014.

Faculty Development Programmes

Workshop on Research Proposal Preparation

A half day workshop on 'Research Proposal Preparation' was conducted at IM-NU on August 23, 2014. Dr Parthasarathy, Professor, CEPT University conducted the programme. Fifty eight faculty members from IT-NU, IDS-NU and IM-NU participated in the programme. Dr Parthasarathy shared insight about how to prepare research proposals and valuable hints for writing a publishable research paper.

A Seminar on Research in Management

Prof K. D. Saxena, an eminent researcher and Dean, Fortune Institute of International Business, New Delhi made a presentation on the topic of 'Research in Management' and had an interactive discussion on the topic on August 30, 2014 at IM-NU. All the faculty members of IM-NU participated in the same.

STTPs

IT-NU organized ISTE approved STTPs on 'Bigdata Exploration and Visualization', 'Process Control: Theory, Applications and Advances', 'Future Frontiers in Catalysis and Its Application', 'Thinking on Thinking', 'Multimedia Signal Processing: Theory and Applications', 'Trends and Innovations in Electrical Power Engineering', 'Data Mining: From Data to Decision', 'Recent Practices in Software Testing and Analysis', 'Advances in Sheet Metal Forming' and 'Earthquake Resistant Design and Retrofitting of Structures' during June 30, 2014 to July 11, 2014.

In addition a Workshop on Cyber Security in collaboration with IIT Bombay was organised during July 10 - 20, 2014 at the Institute.



Participants during the STTP on 'Trends and Innovations in Electrical Power Engineering' at IT-NU

IP-NU organized STTP on 'Dynamics of Scientific Writing in Pharmaceutical Research' during June 30 to July 12, 2014.



Participants during STTP on 'Thinking on Thinking' along with Dr Ketan Kotecha Director IT-NU



In Focus

Delivering Research Excellence

Dr Manjunath Ghate, Dean, Faculty of Doctoral Studies
and Research & Director, IP-NU

Research is never a solitary attempt and is a consequence of effective team work plus access to quality intellectual capital. Quality in research work is a primary concern for the Higher Education Institutions (HEIs).

The HEIs are expected to conceptualize and work for the development in science and technology through creation of new knowledge, its dissemination and application of available technologies for the welfare of society, in addition to providing quality teaching and learning.

The HEIs aiming to deliver excellence in research need to introduce new policies and schemes to boost to quality research. Some of the measures could be:

Promotion of Quality and Innovative Research Projects

As the innate objective of the research is to create new knowledge, there is a perpetual need to analyze what has been done and what needs to be done. The HEIs need to brain storm ideas, deliberate discussions, invite external experts from academics and industry and evolve integrated strategy.

To promote the quality of the research, the projects could be subjected to rigorous peer review to allow constructive criticism and improvement upon work if necessary. Safety, health, human and animal rights cannot be defied during research.

Choice of Research Domain and Interdisciplinary Research

Every researcher would invariably have areas of interest. Nonetheless, all projects have to necessarily be meaningful and useful to the society. The researcher may also consider the need to address Global Challenges. Hence, it is imperative that the various departments in the HEIs identify relevant thrust areas of research. The scope of research, research methodologies, and objectives of



projects can be reviewed rigorously to allow and promote excellence in work. All undergraduate, postgraduate and PhD students should be encouraged to align themselves to this idea of meaningful projects.

Employing, Promoting and Retaining High-achieving Staff

Research Excellence begins with high quality faculty. The HEIs could develop policies to attract and retain the high-performing staff. The Strategic Faculty Hiring Policies may be practiced and instead of episodic hiring there could be continuous recruitment. The aim should be to recruit a quality teacher instead of just filling the vacant position. The research oriented faculty can be attracted by providing the high-end research facilities and resources. Career-long development plans for the faculty can be laid down to prevent the faculty from leaving the organisation. Professional and community networks also needs to be strengthened.

Another step towards this direction could be to appoint senior scientists and Professor Emeritus for a particular term. Research Chairs and Directorate of research would further enhance research quality and projects. Further there could be measures to make the faculty feel supported and respected through rewards, and recognitions.

Industry Relevant Research

Furthermore, collaboration with Industries would enable the faculty and students to get hands on experience in the chosen areas of research. HEIs can also encourage the creation of Idea lab at which provides the research community of the institution to innovate, create and able to think and solve the problems.

International Collaborations

As no area of research today is untouched from globalization, the global economy necessitates fostering linkages thereby fortifying the quality of research work.

The HEIs can encourage multilateral partnerships. With the view to achieve the objective there could be measures as constitution of a special task committee to consider possible Memorandums of Understanding with the Universities abroad. Such Research would have an international edge to researchers and enhance the quality of work and method of research. Knowledge exchange would be a central concern of the Task Force.

The idea of Research Park is a recent one wherein industries and the HEIs of different countries can collaborate to create the ambience, infrastructure and intellectual capital to identify problem areas and jointly work on them. The collaborative research also has a potential of developing Globally-Savvy Researchers.

Increasing Income through Research Grants

The HEIs must inculcate, enable and support a strong culture of grant winning as it provides impetus on advancing and delivering excellence in research. Though the process of receiving grants is tedious and time consuming, yet the research grant broadens the scope of the project and can support and provide access to the otherwise inaccessible resources. There could various attempts at the HEI level as conducting workshops on 'Writing Research Grant Proposals', 'Who and how to Approach' i.e. creating awareness about the agencies which support research and regarding the procedure and measures through which the grant can be obtained etc.

The opportunities for funded collaborative research can also be explored through the Worldwide Universities Network (WUN).

In addition the HEIs can also facilitate the patenting of the research by organising programmes and orienting the faculty and students about the patent process and other legalities involved in it.

Publication and Research

Writing quality papers and publications in reputed journals with a high impact factor should be a major concern of all the HEIs. Every faculty member must consistently endeavor to publish a certain number of papers every year and in that way contribute to the respective domain.

A serious concern these days is plagiarism, fraudulent means of writing and publication and reporting wrong results of projects. A detection of this lacuna in research work propelled the UGC in India to tackle and overcome the inadequacies. All such cases related to plagiarism must be seriously reviewed and discouraged. Inquires and investigations through committees can be conducted in order to do justice to all parties concerned. Practicing ethics in research is a serious concern today. The Hippocratic Oath is generally recognized as the earliest expression of an ethical code that is built around the idea of 'service before self'.

Assessment of the Outcome

As the objective is to promote research, achieve excellence and create a conducive environment for good quality research, there arises a need to device measures and procedures to assess the outcome of the research. Therefore in addition to stringently taking up initiatives that will stimulate innovation and productivity at its best there is a need to continuously evaluate and assess the quality and quantity of the research output.

Research policies will have to be reviewed periodically in order to maintain and improve the quality of research work. Quality research could be incentivized in terms of awards, money, funding for ongoing research and weightage for advancing career.

Research at both Undergraduate and Postgraduate Levels

Research is a highly creative process that stirs imagination and intellect. It is also equally pertinent that the young minds are nurtured to grow in their career as those who will contribute to world-class performance in research. Therefore, the HEIs can emphasize on research at both undergraduate and postgraduate levels.

All the students mandatorily may work under the guidance of faculty and the faculty in turn should train them to think creatively and innovatively.

The world today is changing and it is expected that the HEIs must significantly contribute in the change. The HEIs need to broaden their perspective by performing research, providing a store of knowledge and benefit the society.

Research & Development

Institute	Area of Research	Name of faculty member(s)	Title of Research Project	Funding Agency	Amt in ₹ in Lacs
IT-NU	Bio-informatics	Prof. Vibha Patel Prof. Monika Shah	DNA Sequencing and Assembly using GPU	GUJCOST	₹ 4.00
IT-NU	Structural Engineering	Dr S. P. Purohit Dr Paresh Patel	Development of Passive Damping Surface Coating for Advanced Materials based Structural System using PZT (Piezo) Powder	ISRO-RESPOND Project	₹ 8.09
IS-NU	Human Genetics	Dr Sonal Bakshi	Downs Syndrome in Gujarat: Molecular Probing in Origin	GUJCOST	₹ 6.00
IDS-NU	Cloud Computing	Prof. Lata Gadhavi	Design and Development of Automated and Reliable Service Provisioning Cloud Architecture for Engineering Educational Domain	GUJCOST	₹3.00
IDS-NU	Communication Engineering	Prof. Rina Parikh, Prof. Mittal Thakkar	Spectrum Sensing Technique in Cognitive Radio	GUJCOST	₹3.00
IP-NU	Drug Development	Dr Manjunath Ghate	Liquid Phase Combinatorial Synthesis of Benzimidazole Library for Antitubercular Activity	SERB, DST	₹30.00
IP-NU	Herbal Formulation	Prof. Vimal Kumar, Prof. Tejal Mehta	Development and Optimization of Formulations containing Glycin Max (soyabean), Moringa Oleifera and Phoenix Dactylifera for the treatment of Malnutrition	GUJCOST	₹ 5.00
IP-NU	Herbal Formulation	Dr Charmy Kothari, Prof. Priti Mehta	Identification & Characterization of Marker Compound from Polyherbal Formulation	GUJCOST	₹ 5.00
IP-NU	Formulation Development	Dr Mayur Patel, Dr Bhoomika M. Patel	Investigating the Role of Histone Deacetylase (HDAC) Inhibitors in Diabetes and Colon Cancer, and Development of Site Specific Drug Delivery Systems	GUJCOST	₹ 4.00

IP-NU	Formulation Development	Dr Shital Butani, Dr Snehal Patel	Development of Self-Emulsifying Drug Delivery System of the poorly Water Soluble Antihypertensive Drug	GUJCOST	₹ 3.60
IP-NU	Clinical Pharmacy	Dr Snehal Patel	Investigation into the Prevalence of Pre-diabetic Status in school going children in Gujarati Population and Evaluation of its Association with various Risk Factors	GUJCOST	₹ 3.50
IP-NU	Drug Development	Dr Jignasa Savjani, Dr Snehal Patel	Computer Aided Drug Design and Pharmacological Evaluation of Cyclooxygenase-2 Inhibitors: An Efficient Conversion of Non-steroidal Anti-Inflammatory Drugs to Potent and Highly Selective COX-2 Inhibitors	GUJCOST	₹ 3.50
IP-NU	Formulation Development	Dr Renuka Mishra	Formulation, Design and Development of Sublingual Film of an Anti-Hypertensive Drug	Nirma University	₹ 0.90

Extension Activities

Visit to Old Age Home

IT-NU organised a visit to Hiramani 'Sandhya Jeevan Kutir' an old age home on July 13, 2014. The elderly people as well as the volunteers shared their thoughts and ideologies. Volunteers later showed their talents through performances in order to entertain the enthusiastic audience. Games were played by the participants, while the audience cheered for them while savouring snacks. Winners of the games were presented with a memento and small gifts were given to all the elderly as a gesture of respect.



A Glimpse of the visit of the students and staff of IT-NU to the Old Age Home

Supplementary Course on Community Services

IT-NU has introduced a supplementary course to B.Tech students called 'Community Services' under which students are required to do community/social work. Persistent efforts made from faculty for placing students as well as efforts from some zealous students of semester III, led to the placement of students for doing community/social service in various organizations such as Jivan Sandhya Old Age Home, Prakash School for Mentally Retarded, Van Prasth Seva Trust, St. Xavier's Social Service Society, Yuva Unstoppable, Make a Difference, etc.

Workshop for School Children

IT-NU organized a two-day workshop 'Autocalypse' in association with SAE for the school children on August 29-30, 2014 as an extension activity where around 150 students of around 15 schools of Ahmedabad have participated.

'VolunTeaching'

IT-NU organized a visit of students from the institute for 'VolunTeaching' in a village situated about 50 kms from Ahmedabad. VolunTeaching is a movement associated with teaching and development of children in villages who are not as privileged as many of their urban counterparts.

Gender Sensitization Workshops

The Workshops were organised by the students of IL-NU at various places in the vicinity of Ahmedabad as Ganpath University on Gender Equality and Constitutional Rights; C.N Vidhalaya on Eve Teasing; Nirman High School on Child Rights' Adarsh High School on Child Abuse and Child Rights and K.H. Kapadia School on Sexual Harassment at Workplace during August 9-28, 2014. These workshops were a part of the Legal Awareness Camp.



IL-NU students at a school for the workshop

Industry Interface

Testing work undertaken at IT-NU

Title of Testing	Organization	Month and Year
Compressive Strength, Open Cell, Water Vapour Transmission	Mahi Enterprise, Baroda	July & August 2014
Thermal Conductivity	The Supreme Industries Limited, Urse Dist Pune	July 2014
	PIBCO Ltd. (R & B Center)	August 2014
	Keltech Energies Limited, Bangalore	August 2014
	DRDO Hyderabad	August 2014
Thermal Conductivity, Thermal Stability, Flammability	Thermocare Rockwool, Rajnandgoan, Chhattisgarh	August 2014
Closed Cell, Compressive Strength, Density	Sintex Industries Limited, Plastics Division, Kalol	August 2014
Thermal Conductivity, Compressive Strength, Water Vapour Transmission	Multi Product Ltd.	August 2014

Consultancy work undertaken at IT-NU

Faculty	Title of Consultancy	Address of the Collaborative Organization
Dr. P. N. Tekwani, Dr. S. C. Vora, Prof. A. N. Patel, Prof. T. H. Panchal	Design of Permanent Magnet Brushless Motor and Concepts of PWM Signal Generation	Duke Plasto Technique Pvt. Ltd., Palanpur
Dr R N Patel, Dr V J Lakhera, Prof S J Joshi, Prof. D V Patel, Prof. D B Shah	Mechanical Engineering Concept for Design of Power Electronic Devices	M/s. Hitachi Hi-Rel Power Electronics Pvt. Ltd., Gandhinagar
Dr R N Patel, Prof. S J Joshi, Prof. V M Bhojawala, Prof. M M Chauhan, Prof. D V Patel, Prof. D B Shah	3D Geometric Modelling using Solid Works for their Power Electronics Devices	M/s. Hitachi Hi-Rel Power Electronics Pvt. Ltd., Gandhinagar
Dr R N Patel, Dr V J Lakhera	Consultancy for Redesign the Pumps using CFD Software	M/s. Duke Plasto Technique Pvt. Ltd., Palanpur
Dr Sanjay Patel, Dr Jayesh Ruparelia, Dr. Femina Patel, Dr Milind Joshipura, Dr Parin Shah, Prof. Priya Saxena, Prof. Sandip Sharma, Dr Shibu Pillai, Prof. Nimish Shah	Environment Audit & Adequacy	M/s. Gujarat Fluorochemicals, Vagra, Bharuch M/s. Reliance Gas Transportation Infrastructure Limited, Bharuch M/s. Concord Biotech Ltd., Dholka M/s. Essar Oil, Vadinar M/s. SRF Limited, Dahej M/s. Unimark Remedies M/s. Tata Motors Vendor Park (CETP), Sanand
Dr Parin Shah	Process Development	Macro Polymer Pvt. Ltd., Moraiya
Dr D. M. Adhyaru, Prof. J.B. Patel Prof. Jayesh Barve, Prof. Sandip Mehta, Prof. Alpesh Patel	Design of Automatic Temperature Control System for the Chambers of Stenter Machine	InspirOn Engineering Pvt. Ltd., Ahmedabad



Centre for Continuing Education (CCE)

Continuing Medical Education on 'Immunology'

IS-NU and CCE organized Continuing Medical Education on 'Immunology', under the aegis of Indian Immunology Society on August 8-9, 2014. The chief guest for the inaugural programme was Dr Gaurav Dahiya, IAS, Deputy Secretary, Medical Education, Government of Gujarat along with Dr Satyajit Rath, NII and Dr H. L. Trivedi, Director, IKDRC.

Dr D.N. Rao, AIIMS, Delhi; Dr Sanjeev Kumar, Zydus Research Centre, Ahmedabad; Dr Shubhada Chiplunkar, ACTREC, Mumbai; Dr B. Ravindran, ILS, Bhubaneswar; Dr Sangeeta Mukhopadhyay, CDFD, Hyderabad were among the eminent speakers on the occasion. The programme was attended by more than two hundred delegates.



Renowned Kidney specialist Dr H.L. Trivedi, Director, IKDRC delivering key-note address during CME on Immunology

The other programmes organized by/under CCE were:



'CNC Technology and Programming' at IDS during July 2-4, 2014



'Web Designing using ASP.NET' during August 6-8, 2014



Four- Day Workshop on 'Simulation Software for Chemical Engineering Applications' at IT-NU during August 23-24 and 30-31, 2014



'Microwave and RF Circuit Design' at IT-NU during August 30-31, 2014

Faculty Corner

Faculty Achievements

Mr. Maharshi Pandya, Dr Shalini Rajkumar of IS-NU, Dr Bhavesh Kevadiya, complete specification filed for the patent 'An Improved Formulation for Sustained Release of Plant Growth Hormone and Process of Preparation thereof' on August 25, 2014 Ref. No./Application No.E-2/2337/2014/MUM (Provisional Application No. 1977/MUM/2014. June, 2014).

Dr Vijay Kothari of IS-NU has been selected as a Member of the international conference committee, ICMST 2014: International Conference on Microwave Science and Technology, held at Barcelona, Spain during August 18 - 19, 2014. He has also been selected as a Member of the advisory committee for the national conference on Biodiversity and Conservation: Present Status and Future Perspective to be held in February 2015 at St. Xavier's College, Palayamkottai, Tamil Nadu.

Prof. Pawan K. Chugan of IM-NU has been appointed as a Country Chair, India, for the Seventeenth Annual International Conference organized by the Global Business and Technology Association (GBATA), New York, USA to be held at Lisbon/Peniche, Portugal during July 21-25, 2015. He has also been appointed as a member of the 'Team of Experts and the Keynote Speakers Committee' of the Centre of Excellence for Scientific and Research Journalism (COES&RJ), 10685-B Hazelhurst Dr # 16258, Houston, TX 77043, USA.

Prof. Parag Saxena of IT-NU received the Best Paper Award for the paper titled, 'Recent Trends in Blends of Biodiesel' in the International Conference in Chemical Industry 2014 organized by Pandit Deendayal Petroleum University, Gandhinagar on August 23, 2014.

Dr P. N. Tekwani and **Prof. Mihir C. Shah** of IT-NU wrote a paper titled 'Analysis, Design and Digital Implementation of a Shunt Active Power Filter with different Schemes of Reference Current Generation' which was published in IET Research Journal (Formerly IEE Proceedings) on - Power Electronics, UK, print ISSN: 1755-4535, Impact Factor 1.519, 7(3), March 2014, pp. 627-639. This paper was listed in the Popular Articles for three times (April 2014, June 2014, and July 2014) which included the top 25 most frequently downloaded documents for this publication as on August 24, 2014.

Dr A.C. Brahmbhatt of IM-NU has been appointed by Horizon Research Publications (HRPUB), California, U.S.A on the editorial board as an Expert Advisory Committee Member of Universal Journal of Industrial and Business Management on August 27, 2014 for a period of three years.

Prof. Vimal Kumar of IP-NU has been nominated as a member of Editorial Board of Journal 'Indian Journal of Pharmacy & Pharmacology' and 'International Journal of Scientific Research and Analysis'.

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

Prof. Rajesh Jain of IM-NU was appointed as member on Reviewers Board of Horizon Research Publishing, USA for the year 2014-15.

Dr Sriram Seshadri of IS-NU has been appointed Project Reviewer for projects from Czech Science Foundation, Czech Republic on the basis of his expertise on Bacteriocin related research. He has also been appointed reviewer for British Journal of Nutrition.

Faculty Recognitions

Dr P. N. Tekwani of IT-NU, has been recognized as Senior IEEE Member as per Admission and Advancement (A&A) Review Panel Meeting held at Minneapolis, MN, USA (R4) on July 12, 2014. He also worked as one of the reviewers of technical papers for the IEEE International Conference on Power Electronics, Drives & Energy Systems (PEDES 2014) which is scheduled during December 16-19, 2014. PEDES is being organized by IIT Bombay and will be held at Victor Menezes Convention Centre, IIT Bombay.

Prof. Ankit Thakkar of IT-NU has been appointed as a reviewer for IEEE Communications Letters (Impact Factor: 1.463). As per Google Scholar it is #4 journal in Information Theory.

Dr Parin Shah of IT-NU has been appointed as invitee technical member of Board of Directors of the Green Environment Services Co-Op. Society Ltd. Vatva and also as a member of Environment Committee of Gujarat Chamber of Commerce and Industry (GCCCI) for the year 2014-2015.

Ph. D. Awarded

Prof. Satish K Nair of IM-NU was awarded Ph.D. for his thesis entitled 'Significance of Collaborative Advantage for Micro, Small and Medium Enterprises in India' from Dharmsinh Desai University on June 28, 2014.



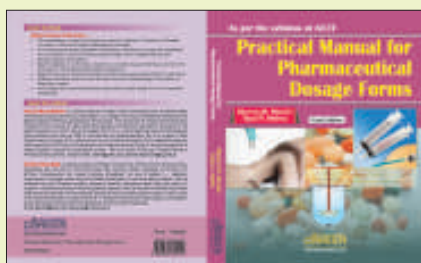
Expert Lectures delivered by Faculty

Dr M. Mallikarjun of IM-NU on 'New International Financial Order and its Effect on Emerging Economies - A Study of Recent Developments in India' at Academic Staff College, Gujarat University on July 3, 2014.

Dr S. C. Vora of IT-NU on 'High Voltage Engineering' at U. V. Patel College of Engineering, Ganpat University on July 18, 2014

Dr J. P. Ruparelia of IT-NU on 'Pollution Prevention in Synthesis of Dyes & Intermediates' in One Day National Seminar on Pollution Prevention & Mitigation Measures organized by GIDC with the support of GCPC at Mahatma Mandir, Gandhinagar on August 12, 2014.

Books Published



Mehta Tejal, IP-NU, 'Practical Manual for Pharmaceutical Dosage Forms', Career Publications, India, First Edition, 2014, ISBN-978-93-82-19-1.



Patel Snehal, IP-NU, 'Clinical Research', Shree Sai Prakashan, Meerut, ISBN-93-80965-70-2

Papers Published in International Journals/Magazines

Ankit Thakkar and **Ketan Kotecha** of IT-NU, 'Cluster Head Election for Energy and Delay Constraint Applications of Wireless Sensor Network' in IEEE Sensors Journal (ISSN: 1530-437X), 14(8), pp. 2658- 2664.

Bindi Mehta and **Kathak Mehta** of IM-NU, 'The Budding Entrepreneurial Ecosystem in Ahmedabad', Business Sciences International Research Journal, 2(1), 89-98 (2014).

Butani Shital of IP-NU, 'Nomogram for Computing the Value of Similarity Factor', Indian Journal of Pharmaceutical Sciences. 2014; 76(3):245-251.

Butani Shital of IP-NU, 'Self-emulsifying Drug Delivery System containing Aceclofenac: Design & Development using Quality by Design (QbD) Concept', Indian Drugs, 51(6) (2014).

Butani Shital of IP-NU, 'Studies in Oxcarbazepine microspheres employing Placket and Burman design', International Journal of Pharmacy and Pharmaceutical Sciences, 6(7):305-310, (2014).

Ghate Manjunath of IP-NU, Barot Kuldip, Nikolova, S., Ivanov, I. 'Liquid-Phase Combinatorial Library Synthesis: Recent Advances and Future Perspectives. Combinatorial Chemistry & High Throughput Screening, 17, 1440-1462 (2014).

Ghate Manjunath, **Patel Bhumika** of IP-NU, '3D-QSAR Studies of dipeptidyl peptidase 4 Inhibitors using various Alignment Methods', Medicinal Chemistry Research, DOI 10.1007/s00044-014-1178-7, (2014).

Lakdawala A. M of IT-NU, 'Break-up of non-Newtonian Jet injected downwards in a Newtonian Liquid' in International Journal of Sadhna- Academy Proceedings in Engineering Science (SDAH S-14-00533) He also published another article 'Dual Grid Level Set Method for Computational-Electro- Fluid Dynamics Simulation' at International Journal of Numerical Heat Transfer Part B (NHT 14/6182).

M. A. Upadhyay, **D. K. Kothari** of IT-NU, 'Power Efficient Strategy for Enhancing Link Capacity in Cooperative Network', International Journal of Computer Application, 99 (8), pp. 12-17, (August 2014).

Mahesh K.C. of IM-NU and Arnab Kumar Laha, 'Robustness of Tests for Directional Mean' online International Journal: Statistics-A Journal of Theoretical and Applied Statistics published by Taylor & Francis Group.

Mamta Saiyad, Niranjana M Devashrayee and Raju K Mevada of IT-NU, 'Study the Effect of Dispersion of Filler in Polymer Composite for Radiation Shielding', Polymer Composites, 35 (7), pp 1263-1266, (2014).

N. P. Gajjar of IT-NU, 'Future of Reconfigurable Heterogeneous Architectures', Inventi Journal of Embedded Systems, 3, pp. 1-4, (July 2014).

Patel Bhoomika of IP-NU, 'Cardioprotective Effects of Magnesium Valproate in Type 2 Diabetes Mellitus', European Journal of Pharmacology. 2014; 728:128-134.

Patel Nrupesh and Mehta Priti of IP-NU, 'Development and Validation of RP-HPLC, HPTLC and UV-Visible Spectrophotometric Methods for Simultaneous Estimation of Alprazolam and Propranolol Hydrochloride in their Combined Dosage Form', Journal of Analytical Chemistry, 69(7):674-680, (2014).

Pawan Kumar Chugan of IM-NU & Neha Mehta, 'Impact of Visual Merchandising on Consumer Behaviour: A Study of Furniture Outlets', Universal Journal of Management, 2(6), 207-217, (July 2014).

Pawan Kumar Chugan of IM-NU and Neha Mehta, 'Consumer's Perception for Visual Merchandizing of Lifestyle Apparel Stores', International Research Journal of Marketing, by Sciknow Publications Ltd., New York, USA., 2(3), pp 53-60, ISSN (Print): 2333-9608; (Online): 2333-9616, (August-2014).

Prashant Kumar of IM-NU, 'Greening Retail: An Indian Experience', International Journal of Retail and Distribution Management, 40 (70), pp 613-625 (July 2014).

Sachin Gajjar, Mohanchur Sarkar and Kankar Dasgupta of IT-NU, 'Cluster Head Selection Protocol using Fuzzy Logic for Wireless Sensor Networks', International Journal of Computer Applications, 97 (7) , pp. 38-43, (July 2014).

Sachin Gajjar, Mohanchur Sarkar, and Kankar Dasgupta of IT-NU, 'Wireless Sensor Networks Simulation', STM Journal of Electronic Design Technology, 5(2), pp.1-8, (July 2014).

Sonal Thakkar and Jay Assudani of IT-NU, 'Parametric Study of Base isolated building with Eccentricity in Super Structure

with various locations of Base Isolators', International Journal of Civil Engineering Research and Development (IJCERD), 4 (2) , pp 30-40, (April-June, 2014).

Sonal Thakkar, Rajesh Ambaliya and Rutvij Gor of IT-NU, 'Resistance of Geopolymer Concrete with Fly Ash and Slag to Sulphate and Acid Attack' in the International Journal of Civil Engineering Research and Development (IJCERD), 4 (2), pp 41-50, (April-June, 2014).

Sriram Seshadri of IS-NU with three others, 'Bacteriocins and their Applications for the Treatment of Bacterial Diseases in Aquaculture: A Review', Aquaculture Research 45 (11), 1737-1746, (2014).

Vijay Kothari of IS-NU and three others published a paper entitled 'Effect of Certain Natural Products and Organic Solvents on Quorum Sensing in Chromobacterium Violaceum', Asian Pac J Trop Biomed; 4 (2), S890-S897, (2014).

Vijay Kothari of IS-NU on 'Working with Natural Products (Extracts): Certain Useful Suggestions to Avoid Trouble', AASCIT Communications, 1(2), 37-39.

Vimal Kumar and Patel Tushar of IP-NU, 'Gujarat: Continuing Leadership in Pharmaceutical Sector In India', The Pharma Review, 86-90, (2014).

Vimal Kumar of IP-NU, 'GMP for Ayurvedic, Unani and Siddha Medicines: Today's Need and Tomorrow's Perspectives', The Pharma Review, 47-52, (2014).



Staff Corner

Training Programme on Library Management Software

A Training Programme on KOHA (Open Source Web-based Library Management Software) was organized for all library staff members of Nirma University during June 28-30, 2014. The System has been successfully implemented in all libraries of Nirma University.



Achievements as the Faculty

Dr Lalitha Poluru of IP-NU has been recognized as Ph.D. supervisor (Library & Information Science) at Babasaheb Ambedkar Open University, Ahmedabad and C U Shah University, Washwan City, Surendranagar.

Prafull Suthar and **Krunal Verma** worked as 'System Administrator' and as 'A-View Coordinator' for the workshop on Cyber Security conducted by IIT Bombay, under the National Mission on Education through ICT, MHRD, New Delhi during July 10 - 20, 2014 .

Foundation Day

Seventh Foundation Day

The Seventh Foundation Day was celebrated by IL-NU on August 19, 2014. The Chief Guest of the function was Prof. K. N. Chandrasekharan Pillai, Former Director, Indian Law Institute, New Delhi and National Judicial Academy, Bhopal. IL-NU organized its Felicitation Programme on the eve of the Foundation Day. This Felicitation Programme is a continuous initiative of the institute to promote, felicitate and celebrate the excellences carved by its students and faculty members.

Students' Corner

Students' Achievements

Krushangi Shah, M. Pharm student, IP-NU under guidance of Dr Snehal Patel received Jigish N. Dalal (Sunij Foundation) award by IDMA presented by Shree Nitin Patel, Hon. Health Minister of Gujarat, for academic excellence on July 31, 2014. The award included memento and cash prize of Rs. 7500/-.

WeBhavnagar, an Android Application, developed by **Bhumit Shah** of IT-NU has been awarded First Prize in the international seminar organized by Gujarat Government called m-Governance on July 31, 2014. He received a cash prize of Rs 25000/-.



The B. Pharm students of IP-NU participated in Apocalypse 2014 organized by K.B. Institute of Pharmaceutical Education & Research, Gandhinagar during August 7-8, 2014. **Purva Shah, Meet Gajjar, Yash Prajapati** and **Jyot Gajjar** received first prize and **Angana Shastri** and **Yash Shah** received second prize in Oral presentation in different tracks. **Jatan** and **Madhur Mehta** received first prize in debate. **Yash Shah** received first prize in corporate walk. **Tapas Barot** and **Mihir**

Bhatt received second prize in poster presentation. **Dinesh Tungariya** and **Prabhat Rajput** received second prize in mastermind. IP NU was awarded with Best Institute award for securing maximum prizes in Apocalypse-2014.

Madhavi Joshi Ph.D scholar of IS-NU presented a poster on the provoking thought 'T Cells can produce Neurotransmitters: A bridge between Adaptive Immunity and Brain Function' in Continuing Medical Education in Immunology (CME) seminar organised by IS-NU during August 8-9, 2014.

Aishwarya Aloni, Priyadarshani Lenka of IT-NU were conferred with the Best Paper Award along with a cash prize in the International Conference in Chemical Industry 2014 (ICCI 2014) organized by Pandit Deendayal Petroleum University, Gandhinagar on August 23, 2014.

Being a National Champion, the Students' team of IT-NU represented India in the International Robotics Contest ROBOCON on August 24, 2014 held at Pune, India.

Bhagya Nagrajan Iyer, PhD student of **Dr Shalini Rajkumar**, IS-NU received-DST Inspire Fellowship for doctoral programme from Ministry of Science and Technology, DST.



Mahendrapal Singh Rajput, PhD student of Dr Shalini Rajkumar of IS-NU has been awarded CSIR Senior Research Fellow (CSIR-SRF).



Priyal Barai, PhD student of IP-NU under guidance of Dr Niyati Acharya received Inspire fellowship from Department of Science and Technology, Govt. of India.

Neha Shah, PhD student of IP-NU under guidance of Dr Tejal Mehta received 'Inspire Fellowship' from Department of Science and Technology, Govt. of India.

Manali Prajapat, PhD student of IP-NU under guidance of Dr Shital Butani received Junior Research Fellowship, CSIR.

Shailesh Jain, PhD student of IP-NU under guidance of Prof. Manjunath Ghate cleared patent agent examination and registered as Indian Patent Agent at Patent Office, Govt. of India (Registration No. 2281).

Ilma Ansari, Ridhima Purohit and **Neelanjana Sharma** of IL-NU won the 2nd Best Memorial Award at the 1st K.G. Kannabiran National Moot, Hyderabad.



Neelanjana Sharma and Ridhima Purohit with the award

Madhav Kumar, Pranav Malhotra, Jharna Sahijwani and **Eesha Govilla** of IL-NU participated in the 5th International ADR Moot Court Competition, Hong Kong. The team was the first from IL-NU to break into the semi-final round of an International Level Moot Court Competition.

Manan Bhimani, Shubhendra Chakra and **Ajay Kumar Kanaparthi** of IL-NU won the Spirit of Surana Award at the Surana & Surana Trial Advocacy Moot Court Competition held at BVP, Pune.



Students' Activities

Plantation Drive

It is rightly said that planting a tree is next to saving a life! NIPSA (Nirma Institute of Pharmacy Students Association) organized a plantation drive near Udgam School on July 27, 2014. It was graced by the honourable presence of Mrs. Anjana Nimavat, Vanashree trust, Gandhinagar. The trust promotes ingrain. Many students from B. Pharm participated enthusiastically in the event - Around 60 saplings were root bound.

ECO Day Celebration

Electronics and Communication Student Organization (ECO), IT-NU, celebrated the ECO day on August 21, 2014. Various activities like Project Presentation, Expert Talks, Alumni Interaction etc. were organized.



Release of Magazine during the celebration of ECO day at IT-NU

Blitzkreig 2014

The CSI student's branch, of IT-NU organized a two day technical festival called Blitzkreig 2014 for the students of engineering colleges across the state during August 22-23, 2014. It included various events like Coding, Mock Placements, Project Presentation, Online Treasure Hunt, Online Stock Market etc. More than 400 students from various colleges of Gujarat participated in the event.

Quiz Competitions

Pottermania, the Annual Quiz was conducted by ChESA (Chemical Engineering Students Association) IT-NU on August 27, 2014 which marked a great beginning to ChESA's quizzing events. The event was a huge success, with over 35

teams comprising of 70 participants. Six teams competed for the coveted spot in the finals and cash prizes were given away.

The Infocrats Club of IT-NU organized a quizzing event 'Detective and Dragons' on August 19, 2014.

Academic Initiatives

Workshop on Ethical Hacking

ISTE Students' Chapter, IT-NU organized a workshop on August 23-24, 2014 aimed at introducing the exciting field of 'Ethical Hacking' to the students right in their first year.

Value Added Programmes

The Value Added Programmes in form of workshops were organized at IM-NU during August 25-29, 2014 for the students of the institute. The Programmes organised for MBA (FT) first year comprise workshops on 'Habits of Highly Effective People'; 'Mind Mapping'; 'Design Driven Innovation'; 'Business and Etiquettes and Excel'. The Programmes for MBA (FT) second year comprise workshops on 'Analysing Financial Statements'; 'Entrepreneurship & New Venture Creation' and 'Sales'. In addition Workshops on 'Mind Mapping'; 'SME', 'Sales' and 'Habits of Highly Effective People' were organised for MBA (FB&E) first year.

All the second year students of BBA-MBA (Five Year Integrated Programme) were nominated to participate in a full day programme 'Shaping Young India Mind's Programme' (SYMP) at AMA on August 2, 2014.


Industrial Visits

Two day Industrial visits were organized for MBA (II) students in which students were taken to Adani Wilmar; Adani Power; Adani Port at Mundra; Kalpataru Power Transmission Ltd, Gandhinagar; IFFCO, Kalol; and AMUL, Anand.

Social Initiatives

Cleanliness Drive

'A better today a better tomorrow'- the Cleanliness Drive was organized by ChESA (Chemical Engineering Students Association) IT-NU on August 23, 2014 in association with the 'Helping Hands'- a newly established NGO by Mr. Hardik



as an initiative to create awareness among people. The drive was arranged for the cleaning of the 'Gokud Avsan' of the Jodhpur ward near Star bazaar, Shivranjani, Ahmedabad. The main aim of the drive was to clean the area of the residences in the colony and to make them aware of hygiene problems created by the lack of cleanliness and other problems faced by them.

Blood Donation

A Blood Donation Camp was organized in association with Prathma Blood Center, Ahmedabad during August 27-28, 2014. Total 305 unit of blood was collected. The Camp was co-ordinated by Rotaract Club of Nirma Institutes.



Students of IT-NU during the Cleanliness Drive at 'Gokud Avsan' area of Jodhpur ward

Alumni Corner

Aarsh Shah visited IT-NU on July 19, 2014 and delivered a talk on 'How to prepare for Placements'.

An alumni interaction was organized on July 25, 2014 at IT-NU. Suvikram Yayavaram, Plant Engineer, Gujarat State Fertilizers and Chemicals Ltd. and an alumnus from 2008 Chemical Batch, shared his knowledge with the students regarding career options after graduation, job placements and other miscellaneous topics.



Extra-Curricular Activities



Independence Day Celebration

The Independence Day on August 15, 2014 was celebrated amidst great fervour and enthusiasm. Hon'ble Mr. Justice Ravi R. Tripathi, Hon'ble Judge, High Court of Gujarat, Ahmedabad was the Chief Guest for the occasion. Dr. Anup K. Singh Director General, NU, Shri D. P. Chhaya, Director (G&AA) NU, Dr A.S. Patel, Executive Registrar (I/c), NU, All Heads of the constituent institutes of the University along with the faculty, staff and students in large numbers attended the programme.

Special Events for Newcomers at NU

Quiz, Extempore and Talent Show were organised by Electronics and Communication Organisation for Nirma (ECON), IDS-NU on July 26, 2014.



Participants in ECON Event receiving prize

IM-NU organised the Talent Night which is among the annual events organised by the institute. This year Antarang-2014 - the talent night was held on July 26, 2014 based on the theme, 'Let us paint the town red'. The event provided a platform for the Freshers to portray their talents in Western, contemporary and classical dances and duet / solo songs.



Participants during the Talent Night at IM-NU

The students of IL-NU organized Melange- 2014, a talent hunt for Freshers on August 3, 2014. Many students from first semester participated and performed several cultural activities like dance, music, mimicry, instruments, etc. The crowd was mesmerized to see different dance performances like locking & popping, belly dancing, Bollywood freestyle, etc.

Further the RCNI of IT-NU always known for being a place of unending fun and limitless partying along with MTV and B'blue drinks organised a bash welcoming the juniors at one

of the hippest spot in Ahmedabad, Goodies Café on August 25, 2014. With VJ Jose of MTV pixelising the party with his selfie cam and with the DJ playing the latest EDM tracks, the event was undeniably one of the best parties in Ahmedabad.



Students thoroughly enjoying the Freshers' party by RCNI, IT-NU

ISTE Students' Chapter, IT-NU organized Fresher's Talent for the first year students in the month of August 2014.



Talent Hunt for the 'Fresh Face'

RCNI of IT-NU, in association with the Times Group organised an on-campus talent hunt, the 'Fresh Face' on August 25, 2014. With a huge number of participants turning up for the event, the judges had their work cut out. From acting out a monologue to singing a rock tune, and from a jazzy dance to a mainstream ramp-walk, this event had it all. Apart from the participants, the audience too had a gala time owing to the witty anchoring and the smooth passing of the event.



Fresh Face Talent Hunt by Times Group and RCNI, IT-NU

Rotaract Club Activities

The Rotaract Club of IM-NU celebrated World Environment Day on June 05, 2014 to sensitize the general public about protecting our environment through social media campaign. The short message of the campaign was 'Plant the Planet'.

Besides Blood Donation Camp in association with Civil Hospital, Ahmedabad was organized by the Club on August 12, 2014 which had a participation of 250 blood donors with actual collection of 170 units of blood.



Heritage Walk

The students of MBA and BBA-MBA (Five Year Integrated Programme) participated in the Heritage Walk Programme of Ahmedabad Municipal Corporation on July 5, 2014 and July 19, 2014 respectively. The students were encouraged to participate in the programme with a view to sensitize them about heritage of Ahmedabad city. It also helped in unveiling the scenic beauty of Ahmedabad through its architecture, art, religious places, culture and traditions.

Workshop on Self-defence

Workshop on 'Self-Defence for Girl Students' has been organized at IP-NU on August 1, 2014. All the B. Pharm, M. Pharm and Ph. D. girl students participated in the workshop. Mr. Rushiraj Jaiswal, Director and Chief Instructor and Mr.

Ujwal Jaiswal, General Secretary and Coordinator from Rushiraj Karate Kunfu Federation, Ahmedabad were the trainers for the workshop. Girl students learnt many self-defence techniques during the workshop which may help them in future to protect themselves.



Students learning Self-defence at IP-NU

Intramural Competition

The Institute conducted intramural competition from August 2 to 3, 2014. Approximately 121 students participated in the competition. The Judging panel included experts from legal field like Mr. Malak Bhat and Ms. Kirti Mahapatra from Amarchand & Mangaldas & Suresh A. Shroff. & Co. respectively.

Workshop on Climate Change

A half day workshop on Climate Change was organised at IM-NU by Giz (German Development Co-operation) and GIC (Gujarat Institute of Competitiveness) on August 8, 2014 to create an awareness and sensitize the students and faculty members on Climate Change.

Staging of the Play-Antigone

The students of IL-NU presented a unique combination of literature and law in a form of play named 'Antigone' a play by the revered Greek playwright Sophocles. The play portrayed the true nature of a man and implores to adopt ethical principles that will make us socially responsible lawyers and also bring essence of humanity.



A scene from the play 'Antigone' at IL-NU

Forthcoming Events

No.	Name of Event	Date of Event	Institute
1	IEEE All India Students' Congress 2014	October 6-8, 2014	IEEE Student Branch, NU and IEEE Gujarat Section, IT-NU
2	Eighteenth Convocation	October 18, 2014	NU
3	International Conference on 'Strengthening Climate Justice Initiative: Livelihood Challenges at Local Level With a Focus on Farmers'	November 8-9, 2014	IL-NU
4	Finance Conclave	November 22, 2014	IM-NU

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



Editorial Board

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- **NU** Nirma University
- **IT-NU** Institute of Technology, Nirma University
- **IM-NU** Institute of Management, Nirma University
- **IDS-NU** Institute of Diploma Studies, Nirma University
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- **IS-NU** Institute of Science, Nirma University
- **IL-NU** Institute of Law, Nirma University
- **IA-NU** Institute of Architecture, Nirma University
- **CCE** Centre for Continuing Education

