



Dear Friends,

The New Year ushered promising tidings. Accreditation for four programmes namely, Computer Science & Engineering, Mechanical Engineering, Chemical Engineering, and Electronics & Communication Engineering were done under the TIER I category by the National Board of Accreditation (NBA). These programs will now have acceptance in the member countries under the Washington Accord. The remaining three programmes are now ready to go for accreditation in the next phase.

The quarter also saw the presence of a number of visiting professors from top universities in USA, UK, Canada and Spain. They brought with them global exposure and contemporary know-how for our students.

A greatly fruitful placement drive, noteworthy achievements by faculty and students, new initiatives and linkages were some of the other highlights you will read about in the newsletter.

Come join us in this exciting and satisfying journey of providing quality and ethical engineering education.

The lush green campus and sun dappled lawns wait for you; visit us whenever you are in the vicinity.

Happy reading
Dr. Alka Mahajan

THE LAURELS THEY BROUGHT HOME



Team "CON-SL-E 3.0" of IC Department from the Institute of Technology, Nirma University was runner up in Mitsubishi Cup-MECUP-4 and won the Silver Cup along with a Rs. 75,000/- cash prize.

The team has won the Silver Cup consecutively 3 times since 2007 in the National level Automation Competition for Students organised by Mitsubishi Electric India Pvt Ltd.

CONQUIZ'19

A team of Semester VI Students, Vikas Rajput, Hiren Solanki won Conquiz'19 with a cash prize of Rs. 15,000/-. Conquiz' 19 was organised by CEPT University in collaboration with ICI (Indian Concrete Institute) and Ultratech Cement.

ULTRATECH SPARKLING STAR COMPETITION

Parth Zaveri, Sagar Vasani and Hiren Solanki have secured 1st Place and were crowned "Ultra Tech Sparkling Star" in UltraTech Sparkling Star competition for undergraduate and postgraduate Students of Civil Engineering Departments (Ahmedabad Region).



BAJA SAE

Team Stallions of the Institute of Technology participated in the 'All-Terrain Vehicle (ATV) BAJA SAE', India Competition and come out as winner



Team Stallions with their e-BAJA ATV was conferred with Overall Champions Award to the team for the brilliant ATV performance during the 12th edition of SAE BAJA INDIA organized from January 24-27, 2019. The competition was in the category of m-BAJA (petrol engine driven cars) and e-BAJA (battery driven electric cars) category

The m-BAJA team won the Best Skill BAJA award for exhibiting exemplary manufacturing skills which included cutting, welding and bending of roll cage members or parts. Team e-BAJA won five awards including 1st in Sales; 1st in CAE, 1st in acceleration, and 1st in durability, respectively.

GLOBAL EXPERTS IN OUR CLASSROOMS

At IT-NU we bring together experts from leading universities all over the world to bring expertise and richness in our teaching-learning process.

Prof. Mohammad Khasawneh, Professor, Department of Systems Science & Industrial Engineering (SSIE), SUNY Binghamton University, New York delivered an expert talk on "Healthcare Systems and Data Science" on March 18, 2019, at Computer Science and Engineering department

Dr Xingquan Zhu, Professor and Distinguished Senior Researcher, Florida Atlantic University, USA conducted an International Lecture Series on "Deep Learning" from March 5-9, 2019 at Computer Science and Engineering department.

Mr Wei Sun, President, ASHRAE Distinguished Lecturer, President & CEO, Engsysco, Inc. Michigan, USA delivered an expert talk on "Cleanroom and HVAC System Design Fundamentals" on March 7, 2019, at the Department of Mechanical Engineering.

Dr Rene Villalobos, Associate Professor, Department of Industrial Engineering, Arizona State University, USA delivered an expert talk on "Research Opportunities in the planning of Supply Chains of Fresh Produce" on March 5, 2019, at Department of Mechanical Engineering.

Dr Jorge Teniente-Vallinas, Public University of Navarra, Spain delivered a short course on "Antennas, Terrestrial and Satellite Radio Wave Communications" during March 4-8, 2019 at the Electronic and Communication Engineering department.

Dr Rishi Gupta, Associate Professor, Civil Engineering Department, University of Victoria, British Columbia, Canada delivered an expert talk on “Green Concrete Reinforced using Fibers Recovered from Waste acrylic” on March 1, 2019, at Civil Engineering department.

Dr Hussam Jouhara, Professor, Department of Mechanical and Aerospace Engineering, Brunel University London, UK delivered an expert talk on “Advances in Heat Pipe Heat Exchanger” on February 26, 2019, at Department of Mechanical Engineering.

Dr Marcello Lappa, Director of the MSc course, Department of Mechanical and Aerospace Engineering, University of Strathclyde, Glasgow, UK delivered an expert talk on “On the relevance of CFD to Material Science” on February 25, 2019, at Department of Mechanical Engineering.

Dr Paul Chiarot, Associate Professor, Department of Mechanical Engineering, SUNY Binghamton University, New York, USA conducted a one-day Seminar on “Energy and Efficiency for the 21st Century” on Feb 7, 2019, in Mechanical Engineering department.

Dr Daniel Abrams, Emeritus Professor of Structural Engineering, the University of Illinois at Urbana-Champaign, IL, USA conducted a lecture series on course titled "Experimental Techniques in Earthquake Engineering" from January 19- February 8, 2019, at Civil Engineering Department, as a Fulbright specialist under USIEF, New Delhi.

Prof. Svetlana Brzev, Professor, Civil Engineering Department in the University of British Columbia delivered an expert talk on “Advancements in Seismic Design of Masonry Structures” during January 30-31, 2019 at Civil Engineering Department.

Dr Trivedi, Associate Professor, Petroleum Engineering at the University of Alberta, Canada (Also an alumnus of Chemical engineering department, Nirma University) delivered an expert talk on “Enhanced Oil Recovery” on January 11, 2019, at Chemical Engineering department

MORE EXPERT TALKS

Mr Vatslya Shukla, Manager-Strategic Research Insight, Charities Aid Foundation, Delhi, visited the Institute on March 15, 2019, and delivered a talk on Waste as Resource: Eco-Industrialisation Development Project.

Mr Ronak Soni, Consultant from Zeppelin Systems India Pvt. Ltd., Baroda, visited the Institute on March 15, 2019, and delivered a talk on Industrial Aspects of Heat Exchanger Design.

Dr Satish Chetwani, Asst Director and Head ERDA Baroda delivered an expert lecture on Power Quality on January 29, 2019.

Mr Shankar MM, founder member of company CARE (Centre for Applied Research and Educational Services), Golden Square, Bangalore conducted a workshop on Data Analytics on February 2, 2019.

Dr M. B. Patil and Dr Mukul Chadorkar, Professors, Electrical Engineering Department, IIT, Mumbai conducted a workshop on “Examination Reforms” on March 02, 2019.

Dr Saratkumar Patra, Director, IIIT, Vadodara delivered a talk on “Modern Communication from Analog to 5G and beyond” for on March 01, 2019.

Mr Ujjawal Modi, Sr. Executive Engineer, Linde Engineering delivered a talk on “Role of IC Engineers in EPC and Design Industries”.

Mr. Sapankumar Parikh, Site Director Product Development eClinicalWorks delivered a talk on Test/Behavior Driven Software Development on March 14, 2019.

Mr. Rohan Garg, Co-Founder and CEO, ICE GATE Institute, Ahmedabad delivered a talk on quantitative aptitude and logical reasoning skills on March 2, 2019.

Dr Dinesh Garg, Senior Researcher, AI Reasoning, India Research Laboratory, IBM Research Lab, Bangalore delivered a talk on Examination - Reforms Policy on March 16, 2019.

Mr. Akarsh Agrawal, Block chain Team Lead, Coral Blockchain, Bengaluru, Karnataka delivered a talk on Block Chain Technology on Feb 21, 2019.

Dr. Hardik Pareekh, Gujarat National Law University delivered a talk on Cyber laws for on January 25, 2019.

Dr. J. N Patel, Professor, Civil Engineering Department, SVNIT, Surat, delivered an expert lecture on “Opportunities in Water Resource Engineering for Civil Engineers on January 03, 2019.

Dr. Rakesh Kumar, Principal Scientist and Head, Rigid Pavement Division, CRRI, New Delhi, delivered an expert lecture on “Cement Concrete, Global Climate Change & Sustainability” on January 25, 2019.

Dr. B. L. Swami, Professor, Malaviya National Institute of Technology, Jaipur, delivered an expert lecture on “Highway Construction” on January 25, 2019.

Shri Chirag Bhimani, Deputy Environmental Engineer, Gujarat Pollution Control Board, Gandhinagar, delivered an expert lecture on “Current Scenario in Air Pollution” on January 29, 2019.

Mr. Mehul Patel, Proprietor, Global Marine Engineering Consultancy, Ahmedabad, delivered an expert lecture on “Design of Breakwater structures” on February 06, 2019.

Shri Sameer Raval, Executive Engineer, Roads & Building Department, Government of Gujarat, delivered an expert lecture on “Design of Breakwater structures” on February 08, 2019.

Dr. P. H. Shah, Dean, Faculty of Technology, CEPT University, Ahmedabad, delivered an expert lecture on “Formwork Design” on February 18, 2019.

Mr. Prithivraj Singh Gohil, Technical Specification Consultant, Hilti India Pvt. Ltd., Gujarat, delivered an expert lecture on “Retrofitting of Structures and Hilti Solutions” for the students on February 19, 2019.

Mr. Himanshu, Kotak, Director, C-Phi Consult Pvt. Ltd., Ahmedabad, delivered an expert lecture on “Application of Geosynthetics for Infrastructure Development” on February 22, 2019.

Mr. Nishant Patel, Director, B. N. Precast Pvt. Ltd., Ahmedabad and Mr. Samir Patel, B. N. Precast Pvt. Ltd., Ahmedabad, delivered an expert lecture on “Analysis and Design of Precast Structures: Case Study of Precast School Building” on March 03, 2019.

Mr. Padmanabh Subramanian, Green Building Council of India (GBCI), Mumbai, delivered a talk on “Greening careers with LEED” on March 12, 2019.

Dr. R.D. Shah, Former Head, M.G. Science Institute, Ahmedabad, delivered an expert talk on “Introduction to Petrology and Mineralogy” on March 14 - 15, 2019.

Mr. Samir Patel, Design and Engineering Head, BN Precast Pvt. Ltd., Ahmedabad, delivered an expert lecture on “Precast Building Construction” on March 15, 2019.

Prof. Subashisa Dutta, Professor, Civil Engineering Department, IIT Guwahati, delivered an expert lecture on “Different aspects of Fluid Mechanics” on March 19, 2019.

Mr. Vecha Ravikanth, Reliance Industries Limited, Mumbai, delivered an expert lecture on “Geo-synthetics for Sustainable Infrastructure Development” on March 26, 2019.

Prof. Kashyap Patel, Assistant Professor, Institute of Infrastructure Technology Research and Management (IITRAM), Ahmedabad, delivered an expert lecture on “Analysis of Tall Buildings” on March 27, 2019.

GOING PLACES

Dr D.M.Adhyaru - Head, IC department received the ISTE - Best Engineering College Teacher Award for Gujarat State-2018

Dr J. P. Ruparelia, Head, Chemical department has been invited to join the Expert Appraisal Committee by MoEF, New Delhi for Environmental Impact Assessment of projects requiring Environmental Clearance under Environmental Impact Assessment Notification, 2006.

Dr Himanshu K. Patel is honoured with the prestigious leadership position of Chair - Student Affairs, ISA District'14 (Asia-Pacific). The tenure of his position will be from January 2019 to January 2021.

Prof. Balkrushna A. Shah of Mechanical Engineering Department and Student Branch Advisor (SBA) of ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers) is awarded 2018 Student Branch Advisor of the Year Award in recognition of his outstanding service and leadership in fostering the growth and strength of the Nirma University Student Branch in Atlanta, Georgia, USA from January 12-16, 2019.

Dr. Priyanka Sharma from Computer Engineering Department, Institute of Technology Nirma University has presented and attended the GPU Technology Conference (GTC) at San Jose California, USA from March 17- 21, 2019 and presented a Poster.



INSTITUTE ACTIVITIES

A two-day workshop on Simulations of Wireless Communication Systems using OCTAVE, January 19 – 20, 2019.

A two days program on “Lean Six Sigma Yellow Belt, January 5-6, 2019.

One day program on Geometrical Dimensioning & Tolerancing, March 16, 2019.

Inauguration of Heavy Structures Laboratory (HSL) of Civil Engineering Department was held on March 12, 2019.

National Colloquium: Civil Engineering Department has organized a National Colloquium on “Advancements in Seismic Design of Masonry Structures” on January 30 – 31, 2019, Dr. Daniel P. Abrams, Emeritus Professor of Structural Engineering, University of Illinois at Urbana-Champaign, USA, Dr. Svetlana Brzev, Adjunct Professor, University of British Columbia, Canada and Visiting Professor, Civil Engineering Department, Indian Institute of Technology Gandhinagar (IITGn), Gandhinagar, Dr. K. S. Jagdish, Former Professor, Civil Engineering Department, Indian Institute of Science (IISc) Bangalore and Dr. Hemant B. Kaushik, Professor, Civil Engineering Department, Indian Institute of Technology Guwahati (IITG), Guwahati, were the resource persons.

Prof. K. S. Jagdish delivered an expert lecture on “Containment Reinforcement for Earthquake Resistant Masonry” and Prof. Hemanth Kaushik, delivered a lecture on “Material Properties of Masonry in India” for the participants of National Colloquium on “Advancements in Seismic Design of Masonry Structures”.



RESEARCH PROJECT

Dr Chetna Chauhan was granted major research project titled Development of Integrated Wastewater Treatment Systems using Alternative Innovative Approaches of Microbial Fuel Cells, Magnetic Nanoparticles and Vermicomposting with Water Hyacinth for Secondary Sludge Management. From GSBTM.

INDUSTRY INTERFACE

Dr S. H. Gajjar and Dr M. A. Upadhyay conducted a Communications related testing service for Glide Technologies, Ahmedabad.

STUDENTS ACTIVITIES

Chemical Engineering student's Association (ChESA) organised a Blood Donation Camp on February 15, 2019.

ISA Students' Chapter visited Tragad Prathmik School, Ahmedabad on January 25, 2019. The volunteers taught the children the use of email on Google's portal among other ICT related information and applications.

ALUMNI CORNER

Himanshu Chauhan ('04 batch) delivered a talk on “Skills required by industries from Students” on February 6, 2019

Kunal Buch ('10 batch) delivered a talk on “Strategy to be adopted for further studies in the US” on February 15, 2019.

Vatsal Shah ('12 batch) delivered a talk on “Electric vehicle application using DSP for motor control” on February 27, 2019.

STUDENT'S ACTIVITIES

Karan Shah, Stuti Garg and Keshavkant Sharma participated in Project Expo 2019, organized at Surat, supported by NITI Aayog, Government of India, and InnovSeed Incubation Centre. A total of 300 teams all over Gujarat participated and 80 teams were shortlisted for the project demonstration. The team had developed a 2 Quadcopter swarm intelligence prototype, and stood as the 3rd Runner-up in the exhibit.

Alumni, Krunal Panchal from ME, Shivangi Goswami from CH and Ajay P. Gelot from CL received ISTE National awards (First Prize) for best M. Tech Thesis in their respective disciplines.



Meet Parikh and Priya Joshi along with Prof. Neha Patni and Dr Shibu Pillai of Chemical Department won second prize in Technovation 2019, a paper presentation competition for their paper titled "Performance enhancement of dye-sensitized solar cell based on ruthenium dye sensitizer" at Poornima College of Engineering on March 16, 2019

Mr Jay Pandya NCC cadet was awarded as the best cadet of the year in Ahmedabad group in Senior division category.

Nirma University team won first prize and prize money in QUIZO 2019 competition held by ASHRAE, Western India Chapter on March 9, 2019 at Silver Oak College of Engineering and Technology, Ahmedabad.

Prayag Desai and Vishwajeetsinh Rahevar presented a paper on the topic "Study of wall thickness on axial conduction with conjugate heat transfer in micro-scale flows" at the international conference, NCETME 7th-8th February 2019, VIT at Pune, Maharashtra.

Aman Agrwal and Aditya Mishra presented poster at Nvidia GTC 2019, San Jose, USA on March 18, 2019.

CO-CURRICULAR ACTIVITY

NUTECH 2019 was organised on March 12-13, 2019 with the theme SHAURYA to honour all the defence forces. The fest observed a footfall of more than 3000 participants coming from the entire state of Gujarat as well as a few neighbouring states. One of the greatest features of this year's NUTECH was creativity. The students had prepared several art pieces related to the wings of defence: Army, Navy and Airforce.

A fantastic display of these pieces was put at several important places on the campus and was highly appreciated by all. There were 50 plus events and workshops, all of which observed participants in significant numbers. These covered almost all the branches of Engineering and Technology. The event was a grand success as indicated by the participation of students. Many events were designed keeping in mind to incline the interest of students towards defence forces of the country. There were many events that include poster presentation, idea presentation, model presentation, robotics, Hack NU Thons, business-related events.

One of the attractions of the entire fest was the EDM Night by "Progressive Brothers".





B Tech ADMISSION 2019

Ranked 5th in Top
Private Engineering
College (All India)

Source: The Week-Hansa Research, 2018

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