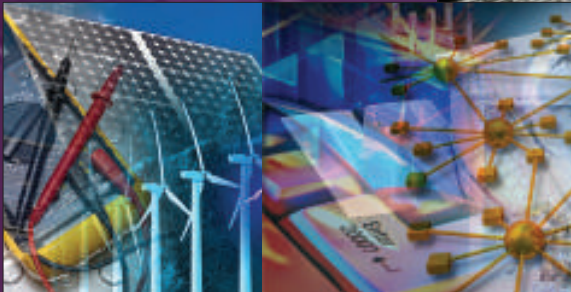
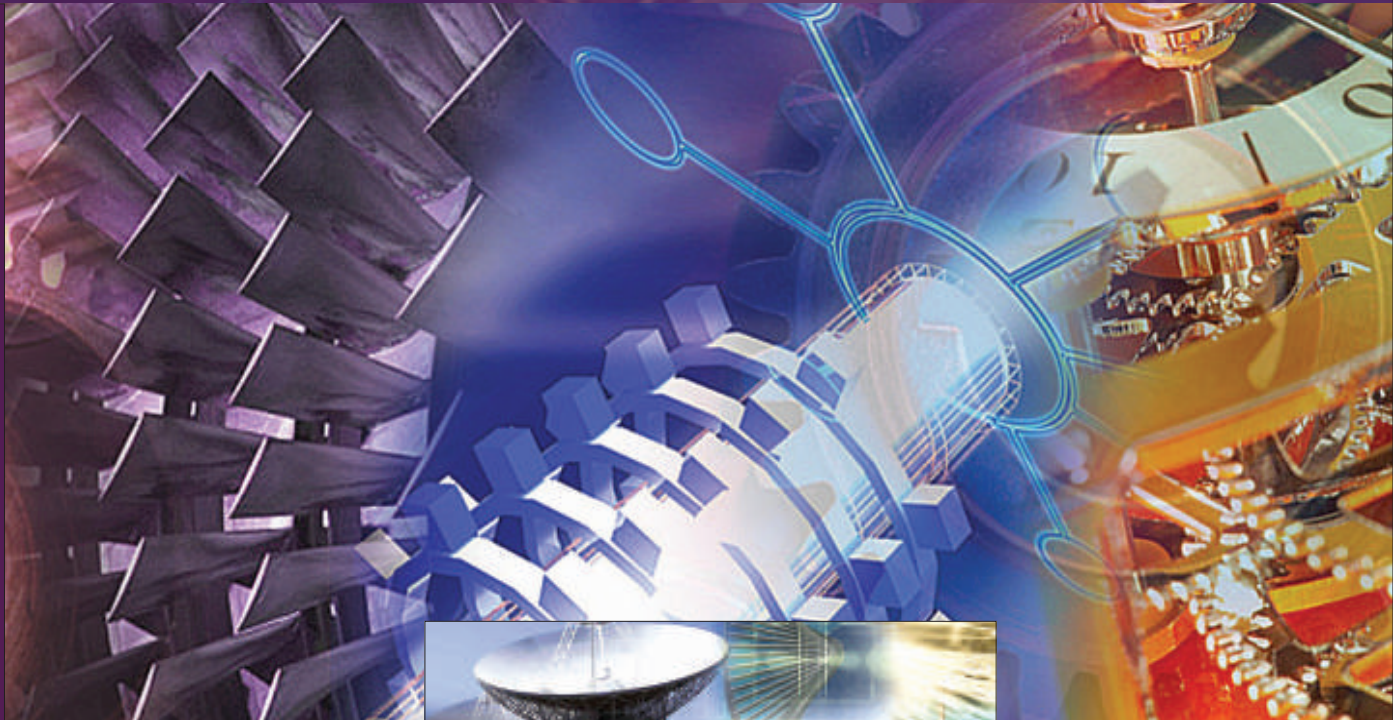


1st International Conference on
Current Trends in Technology
NUiCONE 2010

9 - 11 December, 2010

SOUVENIR



Organized by
INSTITUTE OF TECHNOLOGY, NIRMA UNIVERSITY
Sarkhej-Gandhinagar Highway, Ahmedabad- 382 481, Gujarat, India
Ph: +91-2717-241911/12/13/14/15 Fax: +91-2717-241917





Maharshi Electronic Systems

Address : 'Saraswati' 55, Brahmin Mitra Mandal Society,
Ellis-Bridge, Ahmedabad. 380 006 INDIA.

TEL : +91-70-26582850

FAX : +91-79-26582058

E-mail : sidd@maharshielectronic.com

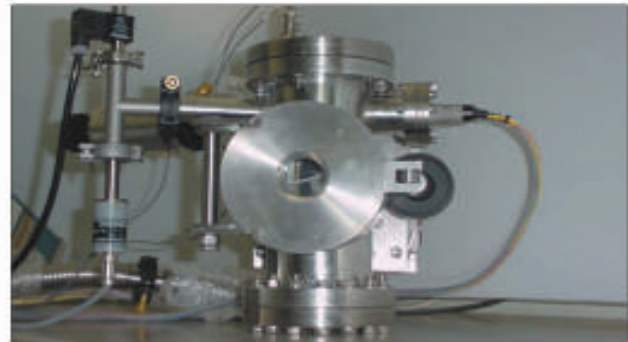
Maharshi Electronic Systems aims at flexibility in offering its services at any stage of the development life cycle (including documentation of existing systems and maintenance, and in a manner most suited to aerospace industry and advanced Research and Development establishments.

The company was started in 1990 by Siddharth G Trivedi after serving Space Applications Centre for 13 years.



We have specialized in imaging sensor related products involving signal processing, data acquisition and control. Our expertise include analog and digital electronics as well as, microcontrollers and computer based software control as per the user requirement. We also support aerospace industry for high-reliability electronics wiring and assembly.

We have excellent track record over the past 15 years in providing complete project solutions from reputed research establishments, defence organizations and educational institutes involving hi-rel fabrication and development of specialized test systems for detector arrays.



Our facility at Gandhinagar has been approved by SAC/ISRO for on-board PCB wiring (including component tinning), local potting etc. since 2001. We have 500 square feet of class 10000 clean area and one number of class-100 laminar flow tables. at our factory in Gandhinagar situated just 30 km from SAC campus. All required tools and inspection aids including those required for ESD control and prevention are available in-house. More than 600 PCBs were wired and inspected. In addition we have a full-fledged electronics development laboratory with modern test and measurement instruments.

The projects completed by the company include:

Checkout electronics for electro-optical systems, Computer Interface Units for Meteorological Payload data acquisition, Low temperature chambers and dewars for Infrared and detector array characterization with temperature controllers and processing electronics, Adaptive mirror drive electronics, Capacitance measurement system for MEMS sensors

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NIRMA
UNIVERSITY

President's Message

Padmashri Dr. Karsanbhai K. Patel
President
Nirma University



It gives me great pleasure to note that the Institute of Technology, Nirma University, is organizing the first International Conference on Engineering (NUICONE, 2010) on "Current Trends in Technology" during 09-11 December, 2010.

We are witnessing exponential growth where technology is being transformed and changed very rapidly. Even our country has joined in this race where rapid technological progress has brought great challenges in its wake. It is up to our engineers to meet these challenges. The technological progress offers new opportunities for learning and innovation.

NUICONE, 2010 will provide such a platform where technocrats can be involved in discussions and knowledge sharing. I am sure, that this conference will equip our engineers, researchers, students, scientists, industrial experts and entrepreneurs to participate share their expertise and give insight to the expeditious advancement in the field of engineering and technology.

I wish the conference a grand success.

Dr. Karsanbhai K. Patel



NIRMA
UNIVERSITY

Vice President's Message

Shri Ambubhai M. Patel

Vice President
Nirma University



I am extremely happy to learn that Institute of Technology, Nirma University is organizing the first multidisciplinary International Conference on Engineering (NUiCONE, 2010) on "Current Trends in Technology" during 09-11 December, 2010.

The advances in technology aim at improving and enriching our quality of life. The present generation is witness to the impact of technical progress in all fields, including domestic and professional areas. The technical institutions need to keep abreast of recent scientific and technological developments and cannot afford to overlook these advances.

Technical curriculum is limited in the sense that it is incapable of accommodating discussions on all the advances and emerging issues. NUiCONE, 2010 can actually serve as the platform, where academicians, industrialists and students get the exposure to the technological progress being made in all the spheres of life.

I am confident that the 1st International conference will provide an excellent opportunity to everyone to share their experiences, expertise and knowledge with each other. I welcome all the participants of NUiCONE 2010 to Nirma University and wish them enriching and highly rewarding sessions ahead.

I wish NUiCONE 2010 a grand success.

Ambubhai M. Patel



NIRMA
UNIVERSITY

Director General's Message

Dr. N. V. Vasani
Director General
Nirma University



It is indeed gratifying to learn that Institute of Technology, Nirma University, is organizing the 1st Nirma University International Conference on Engineering (NUICONE, 2010) on "Current Trends in Technology" during 09-11 December, 2010.

This conference is covering diverse and rapidly emerging areas of engineering and technology. In this globalized era, it is imperative that technocrats remain updated and aware of the recent developments in the field of science and technology. NUICONE, 2010 will be a convergence and meeting ground for enlightened minds and will provide an excellent platform for knowledge sharing and interacting on the various aspects of newly developed technologies and the emerging research areas. It will certainly serve as a platform where all the delegates, including experts from industries, academic institutes, R & D organizations, and particularly, the research scholars and post graduate students can learn and disseminate information.

India's technological and infrastructural progress is a marvel and this has been achieved with a lot of contribution from the technical fields. Our country now is at the forefront in the league of technologically advanced nations. This is an outcome of the dedicated efforts put by the academic institutions, research & development organizations and industries.

Nirma University always supports any initiative that provides an opportunity to experts and researchers in the various fields of engineering to come together and deliberate on the issues and bring out innovative solutions to practical problems. By organizing this conference, it will fulfilled this purpose and I am sure that Nirma University will prove to be an ideal academic setting for a conference of this stature.

I wish the conference a grand success.

Dr. N. V. Vasani



NIRMA
UNIVERSITY

Director's Message

Dr K Kotecha

Director
Institute of Technology
Nirma University



It gives me immense pleasure and pride to note that the 1st International Conference on Engineering (NUiCONE, 2010) on "Current Trends in Technology" will be organized by the Institute during 09-11 December, 2010.

India's emergence as a knowledge based economy has been acknowledged worldwide. This has been attained through the efforts put in by her scientists, academicians and technocrats. However, this leadership in knowledge based areas has to be sustained. We must undertake more concerted initiatives to tap the immense potential of our talented scientists and technical professionals.

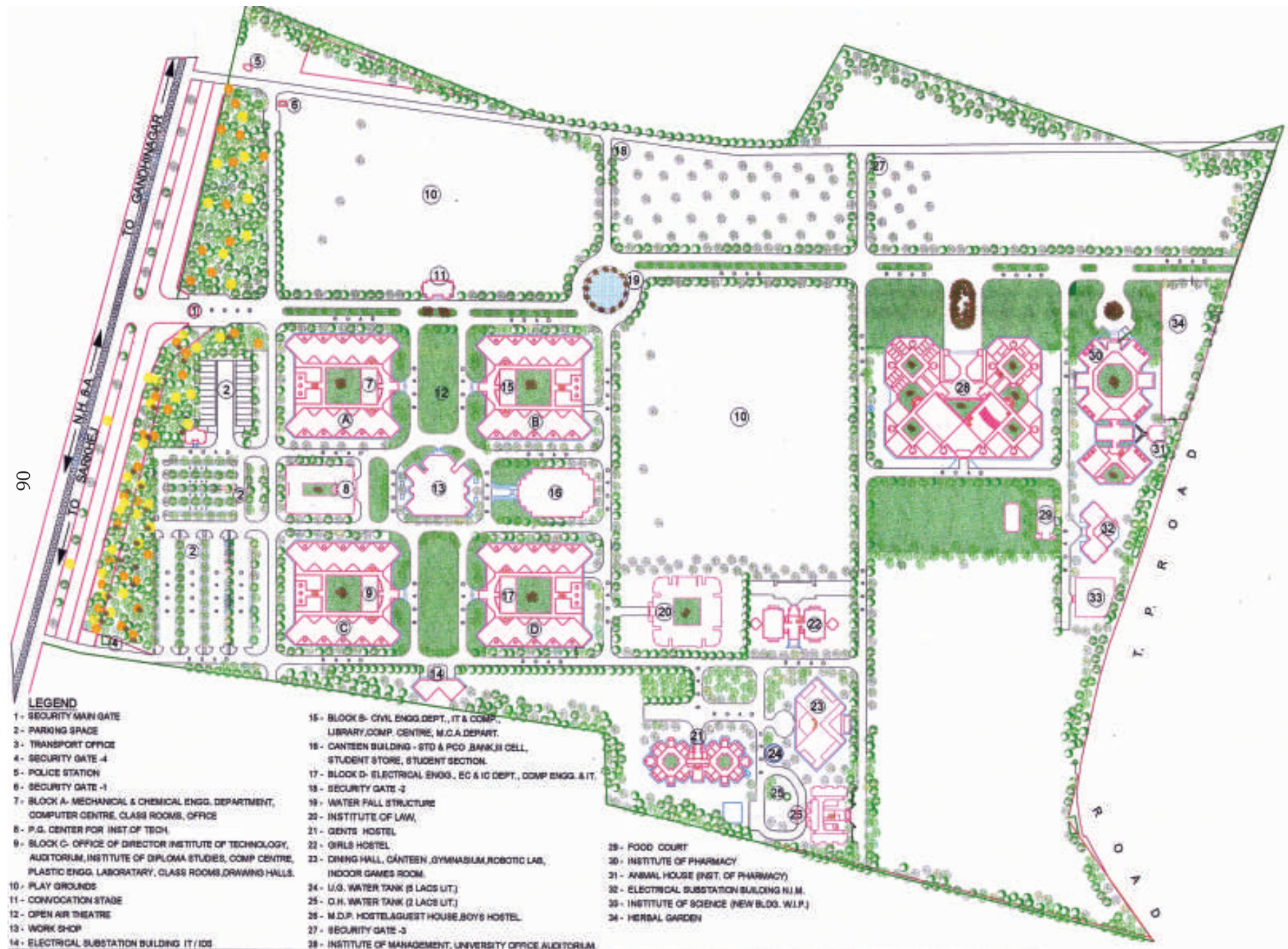
Leadership in knowledge-based areas can be made possible only with the support from research and development activities. Although in present times, a lot of research is being conducted in the academic institutions and R&D organizations, still, there is scope for more initiatives in these areas. The need of the hour is to motivate and mould our youth in this direction.

The Institute of Technology, Nirma University, is among the premier academic institutes of India. It accepts the fact that it has a social responsibility to offer more opportunities in the field of research and development. Organizing event like NUiCONE, 2010, will provide impetus of networking, knowledge sharing and collaborative efforts which, in turn, will lead to more interdisciplinary research and development. It is the platform where our technical professionals can exhibit their ingenuity and expertise. This International conference will provide an occasion to hone their skills and derive and share valuable inputs with experts and peers so as to enrich and extend the horizons of knowledge.

NUiCONE 2010 is our contribution towards making India a knowledge super power worldwide. I wish all the delegates from India and abroad a fruitful knowledge-sharing and enjoyable experience at Nirma campus.

With best wishes,

Dr K Kotecha



Collaborating Institutions / Organizations



Institution of Engineers (India)



Indian Concrete Institute



Indian Association of Structural Engineers



American Concrete Institute - India Chapter



Indian Institute of Chemical Engineers-ARC



International Society of Automation



SAE India Western Section



ASHRAE Western India Chapter



ISHRAE Ahmedabad Chapter



The Society of Power Engineers (India) (Vadodara Chapter)



VLSI Society of India

सुपर निरमा
से मिले
सुपर सफ़ेदी



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PREFACE

It is a proud privilege to welcome you to NUiCONE 2010, the 1st International conference on Current Trends in Technology. This conference has grown to become a flagship event of the Institute of Technology, Nirma University. The conference is an humble effort towards bringing academicians, researchers, scientists and industry professionals of matching interests on a common platform to share their valuable experience, expertise and knowledge. Based on our experience of previous four National Conferences i.e., NUCONE 2006 to NUCONE 2009, this year the conference has focused on explicit themes in diverse fields of Engineering and Technology. There are total eight tracks: Computer Science & Engineering (CSE), Concrete and Structural Engineering (CONSE), Green Technologies for Chemical Process Industries (GTCPI), Instrumentation and Control Engineering (ICE), Mechanical Engineering (ME), Power Electronics, Machines & Power Systems (PEMPS), Signal Processing & Communication Engineering (SPC), VLSI Design & Technology (VDT). Apart from the presentation of peer reviewed technical research papers in parallel tracks; we have also introduced poster presentations in all the tracks. Further, this year we have organised thirteen plenary talks by eminent national and international personalities of the respective area in different tracks. The special sessions are arranged with talks on current topics of multidisciplinary interest. We are indeed honoured to have eminent speakers for the plenary sessions, as well as for the invited talks in each track.

NUiCONE 2010 is setting-up a tradition of a high quality conference, with broad participation of postgraduate students, Ph.D. students, faculty members from various educational institutions, practicing engineers, researchers and professionals from industries across India. Through multidisciplinary nature of this conference, we wish to foster multidisciplinary research, which is the need of industry in this era of globalization. We hope that the delegates will be immensely benefitted by the sharing of ideas and experiences with researchers as well as experts from across the country. We sincerely believe that this conference will ignite the minds of the younger generation and will induce them towards undertaking research for technology up gradation. We hope that you will find the conference both valuable and enjoyable, and will be charged with new ideas and knowledge.

The successful organization of NUiCONE 2010 is due to contribution by authors, delegates, reviewers, faculty members, sponsors and student volunteers. Our special gratitude and appreciation are to the Chief Patron, Patrons and the members of the advisory committee for their valuable guidance and suggestions for the betterment of the conference. We are also grateful to the members of the Organizing Committee for their support; members of the Technical Committee who have worked very hard to put in place the content of the technical programme, and the members of the Proceedings Committee for bringing out the proceedings, racing against time. We are also grateful to the members of other committees: Printing, Registration & Communication, Accommodation & Transport, Venue Management and Academic Programme, Catering, Media & Publicity, Sponsorship, etc., as without their outstanding job and meticulous planning we could not have put up such an excellent conference site. It is indeed an honour for us to work as the Organizing and the Joint Organizing Secretary of NUiCONE 2010. We wish all the conference delegates a comfortable stay and wish that your visit to the Nirma University becomes a memorable one.

Dr J P Ruparelia
Joint Organizing Secretary
NUiCONE 2010

Dr U V Dave
Organizing Secretary
NUiCONE 2010

Nirma Education and Research Foundation (NERF)

In 1994, the founder of Nirma Industries and an internationally famous entrepreneur Padmashri Dr. Karsanbhai K. Patel crystallized his long cherished dream of providing world class facilities for professional education in Gujarat. He established Nirma Education and Research Foundation (NERF), which in turn established, in a 110 acre campus, six leading institutions within a span of fifteen years: Institute of Technology in 1995, Institute of Management in 1996, Institute of Diploma Studies in 1997, Institute of Pharmacy in 2003, Institute of Science in 2004 and recently Institute of Law in 2007. The establishment of Nirma University in April 2003 was a natural consequence of the very high standards achieved by the first three institutes.

Nirma University

Nirma University was established in the year 2003 as a statutory university under the Gujarat State Act by the initiative of Nirma Education and Research Foundation. Padmashri Dr. Karsanbhai K. Patel Chairman, Nirma Group of Companies and Chairman, NERF is the President, Shri Ambubhai M. Patel is the Vice-President and Dr. N. V. Vasani is the Director General of the University.

Nirma University consists of Faculty of Doctoral Studies & Research, Faculty of Engineering and Technology, Faculty of Management, Faculty of Science, Faculty of Pharmacy and Faculty of Law. The graduate, post-graduate and doctoral level programmes offered by these faculties are rated highly by accreditation agencies, industry, business magazines and moreover by the students.

Innovation, excellence and quality are the driving forces on the campus, and this has translated the vision of these institutions into reality over a short period of time. Today the campus vibrates with not only world class curricular activities but also with myriad activities like international conventions, symposia, conferences, student competitions, conclaves, short-term industry-relevant programmes, cultural activities, etc.

The institutes under the university offer wide scope of co-curricular and extra-curricular activities for the students. The various students' chapters/bodies organize many co-curricular activities that not only make the campus life vibrant but also act as window to reach out to the professional world. The students also organize sports activities and cultural festivals that provide opportunities for them to demonstrate their talents. Yoga and meditation programmes are also organized and practiced to induce students to be self-disciplined and help them to eliminate stress, rid them of negative emotions, develop strong social and leadership skills, increase mental focus and broaden their vision.

About Institute of Technology

Institute of Technology is a leading institute offering multi-disciplinary undergraduate, postgraduate and Ph.D. programmes in engineering. The institute is a constituent of the Nirma University which is accredited by NAAC and recognized by UGC.

Located in a peaceful and sylvan surroundings, about 15 km from Ahmedabad Railway Station, it is also easily accessible from the state capital- Gandhinagar. A disciplined, serene and pleasant environment envelops the campus. It blends beautifully with the green landscaping, aesthetic elegance of arches and the vibrant pursuit of knowledge by the young aspirants. The academic ambience gives full scope for group activities, which are plenty, as also to individual pursuits for development on preferred tracks.

The institute shares the Nirma University campus with five other institutes: Management, Pharmacy, Science, Diploma Studies and Law. All of them have distinguished record of achievements. Students joining Institute of Technology have therefore, an opportunity to interact with the academic community of the entire

Nirma University. The academic environment generated by the interaction between various professional disciplines has a stimulating influence, especially in the formative years of young students. Exposure to such environment helps the students to develop good communication skills, integrated personality and greater competitive spirit.

The dedication and commitment with which the students and faculty have worked over the past fifteen years have paid rich dividends and this has made the institute as the most preferred one among the student fraternity. The students of this institute have been consistently securing top ranks in various competitive examinations.

SPECIAL ACHIEVEMENTS

- National Award for Engineering College having Best Overall Performance for the year 2002 by Indian Society for Technical Education (ISTE).
- National Award for Best Principal for the year 2002 by ISTE.
- National Awards for the Best Teacher in Gujarat state in year 2002, 2003, 2004, 2005, 2007, 2008 and 2009 by ISTE.
- Best Faculty Chapter Award for the year 2007-08 & 2008-09 by ISTE
- Best Student Chapter Award for the year 2003, 2005, 2006 and 2007 by ISTE
- ISTE INAE young engineering award in the year 2009
- ISTE national award for best research by young teachers of engineering colleges in 2009.
- A' grade for the second consecutive term for recruitment purposes by Tata Consultancy Services.
- Winner of National Robotic Competition ROBOCON 2002, 2003, 2006, 2008, and representing India in International meets at Tokyo, Bangkok, Kualalumpur and Pune.
- NIELSON survey has ranked IT-NU amongst 25 best engineering colleges of India, published by India today in June 2010.
- Ranked 6th among Private Colleges among top 40 across the country as per survey conducted in Electronics For You in the year 2010 (May 2010)
- Ranked 24th among top 25 engineering colleges across the country as per survey conducted in India Today in the year 2010 (June 2010)
- Ranked 22nd in first top 50 engineering and 6th among self financed colleges across the country as per the survey conducted by Outlook 2010 (June 2010)
- Ranked 5th among preferred engineering colleges in West Zone as per the survey conducted by The Week 2010 (June 2010)
- Ranked 47th in Top 60 engineering colleges for Research Output as per the survey conducted by Careers 360 (June 2010)
- Ranked 24th among Private Colleges among top 50 across the country as per survey conducted by Hindustan Times in the year 2010 (June 2010)
- Ranked 16th in first top 75 Engineering colleges across the country and 3rd in West Zone as per the survey conducted by Competition Success Review-GHRDC in the year 2010 (August 2010)
- Journal of Current Science has ranked the Institute 47th across the country based on the research carried out in last 10 years.

PROGRAMMES OFFERED IN ENGINEERING

Under Graduate (B. Tech) - 600 intake, four year-eight semester in-

- Chemical Engineering
- Civil Engineering
- Computer Engineering
- Electrical Engineering
- Electronics & Communication Engineering
- Information Technology
- Instrumentation & Control Engineering
- Mechanical Engineering

Post Graduate (M. Tech) - 284 intake, two year-four semester-

- Chemical Engineering (Environmental Process Design)
- Chemical Engineering (Chemical Process & Plant Design)
- Civil Engineering (Computer Aided Structural Analysis & Design)
- Civil Engineering (Geomatics)
- Computer Science & Engineering (Regular Programme)
- Computer Science & Engineering (Split Semester – 3 year duration)
- Information and Communication Technology
- Electrical Engineering (Power Electronics Machines & Drives)
- Electrical Engineering (Electrical Power Systems)
- Electronics & Communication Engineering (VLSI Design)
- Electronics & Communication Engineering (Communication Engineering)
- Instrumentation & Control Engineering (Control & Automation)
- Mechanical Engineering (CAD / CAM)
- Mechanical Engineering (Thermal Engineering)
- Mechanical Engineering (Computer Integrated Manufacturing)
- Mechanical Engineering (Design Engineering)
- **Master of Computer Application (MCA), with 60 intake**
- **Post Graduate Diploma in Computer Applications (PGDCA), with 60 intake**

Doctoral Programme in Engineering (Full-Time/External)

- **Programmes Offered in Diploma Engineering - 600 intakes, three year six semester in-**
Chemical Engineering, Mechanical Engineering, Plastic Engineering, Electrical Engineering, Computer Engineering, Information Technology, Electronics & Communication Engineering

About The Conference

Nirma University International Conference on Engineering (NUiCONE) 2010 is a flagship event of the Institute of Technology. This conference is being followed by successful organization of national conferences of previous four years. NUiCONE 2010 is a multidisciplinary event encompassing themes related to disciplines of Computer, Information Technology, Civil, Chemical Engineering, Instrumentation & Control, Mechanical and Electrical Engineering and Electronics & Communication. The objective of the conference is to bring professional Engineers, academicians and research scholars of matching interests on a common platform to share new ideas, experiences, and knowledge in various fields of Engineering and Technology. The scientific program will consist of peer-reviewed paper presentations in parallel technical sessions. In addition, keynote lectures, presentations by industry professionals and poster presentations will be conducted during the conference. Such interactions will facilitate better understanding about technological developments all across the globe amongst the peers. This conference will certainly ignite the minds of the researchers for undertaking more interdisciplinary collaborative research for up gradation of technology.

Following are the tracks for the conference:

- Computer Science & Engineering
- Concrete and Structural Engineering
- Green Technologies for Chemical Process Industries
- Instrumentation and Control Engineering
- Mechanical Engineering
- Power Electronics, Machines & Power Systems
- Signal Processing & Communication Engineering
- VLSI Design & Technology

Objectives

Substantial growth has been witnessed in various fields of Engineering and Technology during last decade. Globalization has opened-up the flood gates of opportunities, but at the same time, it has brought challenges like sustainable development of technology and industries. It has become a key necessity for the industries to develop the cost effective products complying with international standards. It has made Research and Development inevitable to sustain for the industries in the global market. Industry and Educational Institutions can not remain in isolation with each other in this scenario. The researchers of technical institutions have to continuously keep pace with the developing technology to cope up with the fast changing needs of the industries. Hence, in addition to undergraduate teaching; offering M. Tech. and Ph.D. Programmes, undertaking research /consultancy projects, and dissemination of knowledge through quality research papers have become necessity of the day for achieving excellence in technical education.

This conference aims at bringing academicians, researchers, post graduate students, scientists and industry professionals of identical interests on a common platform to share their experience, expertise and knowledge. This conference will certainly ignite the minds of the younger generation and will induce them towards undertaking research for technology upgradation.

Tracks:

Following are the tracks and corresponding sub-themes:

COMPUTER SCIENCE & ENGINEERING

- Communication networks architectures, algorithms, systems and applications
- Ad-Hoc, Mobile, Wireless Networks and Mobile Computing
- Information Security, Cryptography, network security and Computer Security
- Artificial Intelligence & Pattern/Image Recognitions, Neural Networks,
- Evolutionary algorithms, Machine learning and Biomedical Simulations
- Data Mining, Web Mining & its Applications
- Data Base Management & Information Retrievals
- Image Processing , Signal Processing
- Parallel Processing and Distributed Computing
- High-performance Computing, Grid, Cluster and Cloud computing
- Computer Architecture and Digital Design
- Embedded Systems and Real time systems, system level synthesis and design
- Software accelerators, GPGPUs and multicore programming
- Multimedia system content recognition, delivery, search and indexing
- Emerging Technologies and Applications
- Service Oriented Architectures

CONCRETE AND STRUCTURAL ENGINEERING

- Concrete technology, HPC, RMC, SCC, RPC, FRC
- Cementitious Composites, HPFRCC
- Testing of Building Components and NDT
- Reinforcing and Prestressing Materials and Systems
- Durability of Concrete Structures
- Precast Concrete
- Rehabilitation/ Retrofitting of Structures
- Monitoring, Residual life evaluation, and Repair
- Innovative and Environmental Friendly Structural Materials
- Novel and Smart Structural Systems
- Analysis and Design of High-Rise Buildings/ Industrial Structures
- Bridge, Hydraulic and Marine Structure
- Material Storage, Water Retaining and Water Treatment Structures
- Large Span structures, Transmission Towers & Microwave Towers
- Earthquake resistant structures, Disaster mitigation
- Computational Techniques in Structural Engineering
- Geotechnical and Foundation Engineering
- Soil Structure Interaction
- Sustainable Structural Engineering Practices

GREEN TECHNOLOGIES FOR CHEMICAL PROCESS INDUSTRIES

- Cleaner Production
- Modeling and Simulation
- Waste Treatment Technologies
- Bioprocesses and Biotechnology
- Energy and Environment Management Practices
- Applications of Nanotechnology
- Catalysis and Reaction engineering
- Hydrocarbon processing
- Fluid Dynamics and Multiphase Flow
- Process Development and Design
- Sustainable Development Issues

INSTRUMENTATION AND CONTROL ENGINEERING

- Adaptive control
- Robust control
- Optimal Control
- Process control and Automation
- Identification and estimation
- Nonlinear systems
- Intelligent systems and Control
- Networked control systems
- Sensor network systems
- Neural networks
- Fuzzy systems
- Control of biological systems
- Optimization
- Embedded control systems
- Man-machine interactions
- Home, laboratory and service automation
- Biomedical instrumentation and applications
- Robot dynamics and Control
- Biological learning control systems
- Space and Underwater robots
- Mobile robots
- Mobile sensor networks

MECHANICAL ENGINEERING

- Heat Transfer
- Combustion
- Automobile Engg.
- Computational Fluid Dynamics
- Energy Conservation and Management

- Finite Element Analysis
- Stress Analysis
- Mechanical Vibration
- Computer Aided Design
- Application of Optimization Methods
- Advances in Manufacturing Methods
- Computer Integrated Manufacturing
- Robotics and Automation
- MEMS
- Quality Engineering

POWER ELECTRONICS, MACHINES & POWER SYSTEMS

- Power Electronics Devices, Circuits and Applications
- Solid-State Power Supplies, PWM Converters, UPS, Inverters, SMPS
- Multi-Level Converters for High Power Applications
- Applications of Power Electronics to Power Systems
- Front-End Power Converters with Unity p.f., Active Filters, FACTS Controllers, HVDC Transmission
- Design, Modeling, Analysis and Control of Advanced Electrical Machines: SRM, PMSM, PMSM
- FE Analysis of Electrical Machines
- Control of Conventional and Advanced Electrical Machines (Drives)
- Computer Applications to Power System Engineering
- Power System Stability
- Power Quality Issues and their Mitigation Techniques
- Advanced Protection of Power Systems
- Smart-Grid
- Conservation of Electrical Energy using Devices Such as Solar Cells, CEDs, etc.
- Applications of Digital Signal Processing in Electrical Engineering
- Fault Analysis and Protection of Large Electrical Machines
- Issues Related to EHV & UHV

SIGNAL PROCESSING & COMMUNICATION ENGINEERING

- Audio and electroacoustics
- Bio imaging and signal processing
- Design and implementation of signal processing systems
- Image Processing
- Image and multidimensional signal processing
- Machine learning for signal processing
- Multimedia signal processing
- Sensor array and multichannel systems
- Signal processing for communications
- Signal processing theory and methods
- Speech processing
- Spoken language processing

- Broadband Telecommunications
- Telecommunications Networking
- Satellite and HF Communications
- Wireless Communications and Mobile Computing
- Communication and Information Theory
- Cross-Layer Optimized Wireless Networks
- MIMO Systems
- Hardware Accelerator for multimedia
- Multimedia over Wireless
- Next Generation Mobile Networks
- Wireless LANs and Wireless PANs
- Wireless Sensor Networks
- Cooperative and Cognitive Networks
- Autonomic Wireless Networking
- Emergency Management: Communication and Computing Platforms
- Planning and Optimization of Wireless Communication Networks
- Vehicular Communication Technology
- Optical Networking Technologies
- Optical Switching and Network Elements
- Optical Transmission Technologies

VLSI DESIGN & TECHNOLOGY

- System on Chip Design
- Mixed Signal VLSI Design
- Testing of VLSI Design
- Verification of VLSI Design
- VLSI Signal Processing
- VLSI Communication Circuits
- CAD for VLSI Design

About Ahmedabad

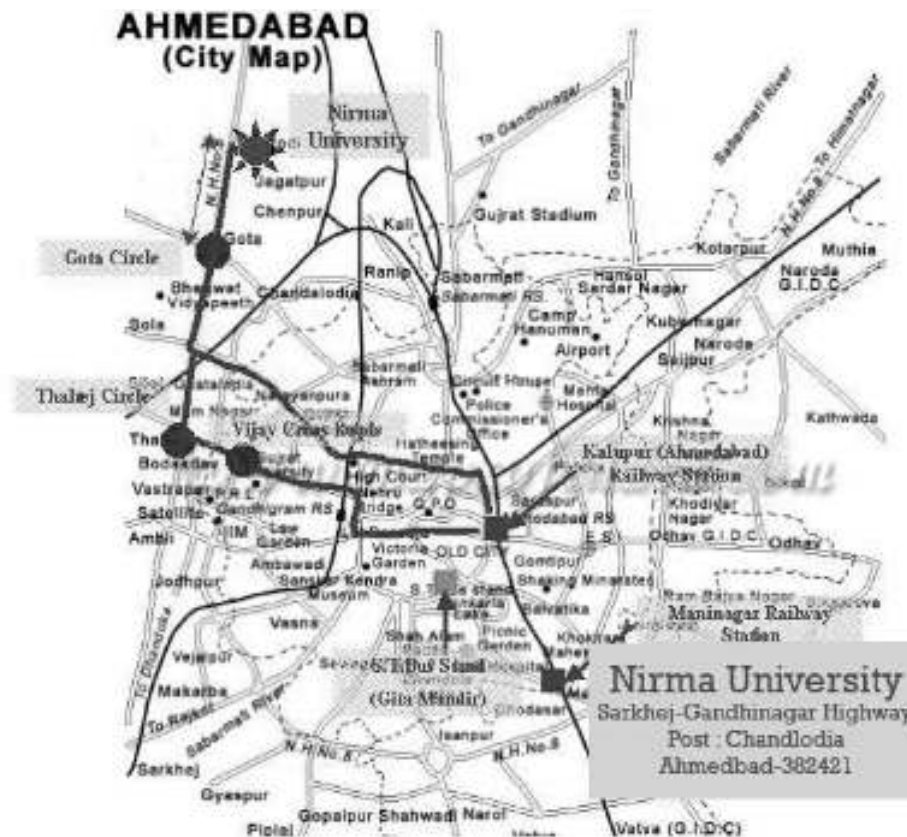
Ahmedabad, one of the vibrant cities and one of the major industrial centers in India, has often been called the 'Manchester of East'. Ahmedabad is the largest city in Gujarat and the sixth largest city in India with a population of almost 5 million.

The city is also known as Karnavati. Ahmedabad got its name from Sultan Ahmad Shah who founded it in 1411 AD. Situated on the bank of river Sabarmati, Ahmedabad is known for its beautiful monuments of historical and archeological importance. Today, the city has left behind its past and has turned and developed itself into a leading industrial centre and has become the economic capital of Gujarat. It is the epicenter of vibrancy in Gujarat. Its fascination is its variety; the old world charm and the modern ambience of Ahmedabad make it truly a wonderful place.

Ahmedabad offers something to celebrate round the year that ranges from celebrations of 'Deepawali' and 'Dusheera' to the whole night long folk dance parties of 'Ras Garba' during "Navratri festival" and 'Kite Festival' on January 14, every year. This city never lets the mood of enjoyment pass by.

Even in the time of recession, Gujarat has progressed, in all departments of engineering, contributing to its growth. Ahmedabad has also witnessed a phenomenal growth in last two decades, with infrastructure expanding at faster pace.

The city has many places to visit, like Science City, Akshardham Temple, Gandhi Ashram, Adalaj Wav (step well), Towering malls, and ultramodern multiplex theatres for entertainment. The weather of Ahmedabad is pleasant during the month of November-December with the temperature around 22-25°C. "Ahmedabad really has something for everyone."



List of Committees

1. **Organizing Committee**

Dr. N. V. Vasani (Chief Patron), Director General, NU
Dr. K Kotecha (Patron), Director, IT-NU
Dr. U. V. Dave (Organizing Secretary)
Dr. J. P. Ruparelia (Jt. Organizing Secretary)

Shri K. K. Patel	Shri D. P. Chhaya
Prof. D. J. Patel	Prof A. S. Ranade
Prof. U. A. Patel	Prof V. R. Iyer
Dr. P. H. Shah	Dr. S. N. Pradhan
Prof. S. S. Patel	Dr. A. R. Patel
Dr. N. M. Devashrayee	Dr. P. N. Tekwani
Dr. P. V. Patel	Dr. D. K. Kothari
Prof. J. B. Patel	Dr. R. N. Patel
Prof. D. M. Adhyaru	Shri Ashish Desai
Shri B. J. Patel	Shri Sachin Sehgal

2. **Advisory Committee**

Computer Science & Engineering

Prof. A. R. Dasgupta, Former Scientist, SAC ISRO and BISAG
Dr. Dilip Ahalpara, Sr. Scientist, Institute of Plasma Research
Dr. K.S. Dasgupta, Dy. Director, SAC ISRO
Prof. Prabhat Ranjan, DAIICT
Dr. Sanjay Srivastav DAIICT
Mr. Bharat Patel, Chairman, IEI Gujarat Centre

Concrete and Structural Engineering

Prof. Surendra P. Shah, Northwestern University, USA
Prof. Ramakrishnan.V., South Dakota Sch. of Mines & Tech., USA
Prof. Gajanan Sabnis, Howard University, USA
Prof. D. V. Reddy, Florida Atlantic University, USA
Prof. Alan Richardson, Northumbria University, UK
Dr. R. N. Vakil, Vice-President, West. Reg., IAStructE
Prof. Yogesh M., Desai, IIT Bombay
Prof. Sudhir K. Jain, IIT Gandhinagar
Prof. Ravindra Gettu, IIT Madras
Prof. Abhijit Mukharjee, TIET, Patiala
Prof. Vipul Prakash, IIT Roorkee
Prof. S. C. Patodi, Parul Institute, Vadodara
Prof. H. S. Patil, SVNIT, Surat

Prof. Ravande Kishore, Osmania Uni., Hyderabad
Shri J. D. Buch, Structural Consultant, Vadodara
Prof. S. B. Singh, BITS PILANI
Shri V. R. Kulkarni, President, Indian Concrete Institute
Shri Satish Dhupalia, Chairman, India Chapter of ACI
Dr. B. S. Munjal, SAC-ISRO, Ahmedabad
Shri Bharat Patel, Chairman, IEI Gujarat Centre
Prof. G. N. Patel, Nirma University
Prof. N. C. Vyas, Nirma University
Shri Himat Solanki, Visiting Faculty, Nirma University

Green Technologies for Chemical Process Industries

Dr. Suparna Mukherji, Professor, IIT-Bombay
Dr. K. K. Pant, Professor, IIT-Delhi
Dr. Rajeshwar Dongra, Head, R & D Division, Reliance Industries, Mumbai
Dr. G. D. Yadav, Professor UICT, Mumbai
Dr. Ram B. Gupta, Professor, Auburn University, USA
Dr. R. V. Jasra, Head, R & D –VMD, Reliance Industries, Baroda
Dr. Rakesh Kumar, Head, Zonal Laboratory, NEERI, Mumbai
Dr. Sheryl Ehrman, Associate Professor, University of Maryland, USA
Mr. Rayjibhai Patel, Chairman, Indian Institute of Chemical Engineers-ARC
Mr. Bharat Patel, Chairman, Inst. of Engg. (India) Gujarat State Centre

Instrumentation and Control Engineering

Prof. M. Gopal, Professor, I.I.T. Delhi
Prof. I.N. Kar, Professor, I.I.T. Delhi
Dr. Chetan Bhatt, Head IC, GEC-Gandhinagar
Mr. J.A.Gandhi, GM (Technical-Projects) Masibus
Dr. M. D. Desai, Professor, K.I.R.C
Dr. D.J. Shah, Director, GIT
Dr. Axay Mehta, Head (EE), GCET
Dr. Rahul Dubey, Professor, DA-IICT, Gandhinagar
Mr. Bharat Patel, Chairman, IEI Gujarat State Centre
Shri Jagdish Shukla, District Vice President, ISA, Asia Pacific Region

Mechanical Engineering

Prof. Laurencas Raslavicius, Inst of Agro Eng, Lithuanian
Prof. Su Daizong, Uni of Nottingham, UK
Prof. Kai Cheng Brunel University UK
Prof. Andrew Y. C. Nee, National University of Singapore, Singapore
Dr. P. Seshu, IIT, Bombay
Dr. D. Pawasker, IIT, Bombay

Dr. M. V. Rane, IIT, Bombay
Dr. P. M. Pande, IIT Delhi
Dr. Ravi Kumar, IIT Roorkee
Dr. S. A. Chaniwala, SVNIT, Surat
Dr. R. V. Rao, SVNIT, Surat
Dr. H. K. Raval, SVNIT, Surat
Dr. Anuradha Ganesh, IIT, Bombay
Dr. N. Ramakrishnan, IIT, Bombay
Dr. P. V. Rao, IIT Delhi
Dr. Akhilesh Gupta, IIT Roorkee
Dr. P. Prabhakaran, MSU, Vadodara
Dr. J. Banerjee, SVNIT, Surat
Prof. S. B. Soni, Visiting Faculty, Nirma University
Mr. D. Subhramanyam, ISRO, Ahmedabad
Mr. Bharat Patel, Chairman, IEI Gujarat State Centre

Power Electronics, Machines & Power Systems

Dr. K. Gopakumar, Chairman & Professor, CEDT, IISc, Bangalore
Mr. V. K. Shah Asst. Vice President, R&D, ABB, Baroda
Mr. Dhiren bhai Shah, President, Hi-Rel Electronics Pvt. Ltd., Gandhinagar
Dr. H. M. Suryawanshi Professor, VNIT, Nagpur
Shri Ghanshyam V Akre Society of Power Engineers
Shri Varunesh Kumar, MD & C.E.O, Viral Controls (P) Ltd., Gandhinagar
Mr. U. C. Trivedi, Joint Director & Head (EE) ERDA, Vadodara
Dr. B. R. Parekh, Professor and Head, B V M Engineering College, V V Nagar
Mr. Bharat Patel, Chairman, IEI Gujarat State Centre

Signal Processing & Communication Engineering

Dr. K. S. Dasgupta, Deputy Director, SITAA, SAC, ISRO, Ahmedabad
Dr. A. K. Chaturvedi, Professor in EC, IIT Kanpur
Dr. Rajiv Tripathi, Professor in EC & Dean (Academic Affairs), MNNIT, Allahabad
Dr. S. B. Sharma, Ex-Deputy Director, SAC ISRO, Ahmedabad
Dr. D. Nagchaudhary, Professor in EC, DAIICT, Gandhinagar
Dr. D. K. Sharma, Professor and Head, EE Department, IIT Mumbai.
Dr. Pawan Kapur, Director, CSIO, Chandigarh
Dr. S. C. Bose, Deputy Director, CEERI Pilani
Mr. Bharat Patel, Chairman, Inst. of Engg. (India) Gujarat State Centre

VLSI Design & Technology

Dr. K. S. Dasgupta, Deputy Director, SITAA, SAC, ISRO, Ahmedabad
Dr. D. Nagchaudhary, Professor in EC, DAIICT, Gandhinagar
Dr. D. K. Sharma, Professor and Head, EE Department, IIT Mumbai.

Dr. Pawan Kapur, Director, CSIO, Chandigarh
Dr. S. C. Bose, Deputy Director, CEERI Pilani
Dr. Raj Singh, Scientist, CEERI Pilani
Mr. Bharat Patel, Chairman, IEL Gujarat State Centre

3. Technical Committee

Dr. R. N. Patel	Dr. P. N. Tekwani
Dr. P. V. Patel	Dr. N M. Devashrayee
Dr. D. K. Kothari	Dr. J. P. Ruparelia
Prof. Madhuri Bhavsar	Prof. D. M. Adhyaru
Dr. D. S. Sharma	Prof. R. H. Patel
Prof. Sharad Purohit	Prof. Usha Mehta
Prof. Y. N. Trivedi	Prof. A. P. Vyas
Prof. Zunnun Narmawala	Prof. H. K. Patel

4. Printing Committee

Prof. Dhaval Pujara (Convenor)	Prof. Santosh Vora (Co convenor)
Shri. B. J. Patel	Dr. Namrata Bajaj
Prof. Swati Jain	Dr. Monica Rao

Mr. Vincent Vaz
All Technical Committee Members

5. Venue Management & Academic Programme Committee

Prof. J G Jamnani (Convener)	
Prof. Sachin Gajjar	Prof. Sonal Thakkar
Prof. Amisha Naik	Prof. A. N. Patel
Prof. Femina Patel	Prof. Madhuri Bhavsar
Prof. B. K. Mawandia	Prof. Anjana Parua

6. Registration & Communication Committee

Prof J B Patel (Convener)	Prof Manisha Upadhyay (Co-convener)
Dr Satyam Shinde	Prof. Dhaval Shah

Prof. Vishal Vaidya

7. Accommodation & Transportation Committee

Prof. N. P. Gajjar (Convener)	Prof. K. M. Patel (Co-convenor)
Shri B. J. Patel	Prof. Amit N. Patel
Mr. Alok Bhatnagar	Mr. Bhaichand Patel
Prof. Akash Mekwan	Prof. Tejas Panchal
Prof. Shailesh Patel	Smt. Ritaben Barot

8. Sponsorship Committee

Prof. V. R. Iyer (Convener)	Dr. P. N. Tekwani
Prof. S. S. Trivedi	Prof. K. M. Patel
Prof. N. P. Gajjar	Mr. Sachin Sehgal
Prof P. D. Shah	Dr. Santosh Vora
Prof. Sandip Mehta	Prof. Mehul Naik
Prof. Samir Patel	

9. Website Committee

Prof. Monika Shah	Prof. Tushar Chapaneria
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10. Catering Committee

Prof. Saurin Parikh (Convener)	Prof. Gaurang Rawal
Shri B. J. Patel	Prof Rushabh Shah
Prof. Vipul Chudasama	Prof. Parita Prajapati

11. Anchoring Committee

Prof. Sharda Velivati	Prof. Priyanka Sharma
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12. Reception Committee

All Organizing Committee Members
All Professors
Mr. Sachin Sehgal

13. Media, Publicity & Entertainment Committee

Prof. S. S. Patel (Convener)	Dr. Namrata Bajaj
Dr. Monica Rao	Mr. Sachin Sahgal
Mr. Vincent Vaz	

PROGRAMME SCHEDULE - NUiCONE 2010
TRACK: Computer Science and Engineering

Day & Time	8:45 to 9:30	9:30 to 11:00	11:00 to 11:30	11:30 to 13:00	13:00 to 14:00	14:00 to 15:30	15:30 to 16:00	16:00 to 17:30	18:00 to 20:00
Day 1 09-12-10 Thursday	Registration (9:00 to 10:00)	Inaugural Function And Key Note Address (10.00 to 11.30) NIM-Auditorium	Tea (11.30 to 12.00)	Technical Session- AB-Award Session 34,41,48,62,65,80 A1-21,88,89,57	Lunch	Dr. Borko Fuhr Floarida Atlantic University NIM-Auditorium	Tea	Technical Session A2-14,90,70,68 B2-4,5,13,66,67	Local Sight Seeing
Day 2 10-12-10 Friday	Breakfast	Dr. Kishor Trivedi, DUKE University NIM- Auditorium	Tea	Technical Session A3-39,40,45,53,74 B3- 23,25,26,28,30,31	Lunch	Dr. Leena Vachhani IIT, Bombay NIM- Auditorium	Tea and Poster 1530- 1630 2,5,6, 17,18	Technical Session 16:30-17:30 A4-38,43,81,84 B4- 72,75,76,79,82	Cultural Programme Institute of Management Lawn
Day 3 11-12-10 Saturday	Breakfast	Prof. M. Gopal IIT Delhi C- Auditorium	Tea	Technical Session A5-51,52,56,64 B5-15,19,24,42	Lunch 12:30 to 13:30	Valedictory NIM-Audi.			

Title of Expert Invited Talks

1. Dr. Borko Fuhr, Floarida Atlantic University, USA on Video and Audio Processing
2. Dr Kishor Trivedi, professor of DUKE University on Cloud Computing
3. Dr. Leena Vacchani, IIT Bombay on Cordic methods an Emerging trends in FPGA computing
4. Prof. M. Gopal IIT Delhi on Machine Learning

Venue of Technical Sessions

A1, A2, A3, A4 and A5 at Institute of Law Room No. 8
AB, B2, B3, B4 and B5 at Institute of Law Room No. 10

DETAILS OF PAPERS - NUiCONE 2010
TRACK: Computer Science and Engineering

Sr.No.	Paper ID	Paper Title	Name of Author
1	CSE4	Mitigating DDOS Attack using Cpnpas	Praveena Venkatesan
2	CSE5	An Enhanced Method of Calculating Trust in Mobile Adhoc Network	Amit Chauhan
3	CSE13	Denial of Service Attacks in Wireless Sensor Networks	Dhara Hitarth Buch D. C. Jinwala
4	CSE14	Qos Framework Using Ad Hoc On-Demand Multipath Distance Routing Protocol in Ad Hoc Network	Vishruti Desai
5	CSE15	Model Engineering of Security Data and Process Analysis in Patent Filing System Using UML 2.0	Shetalika Ghosh Samaddar
6	CSE19	Performance Analysis of Various Alternatives of SAFER+ Algorithm	Payal Chaudhari
7	CSE21	Overhead of Distributed Coordinated Function in 802.11 MAC Protocol	Ashwini Dalvi Pamu Kumar Swamy Uttam Kolekar
8	CSE23	Development of Qos Based Scheduling Algorithm in The Grid Environment	Sanjay G. Patel Madhuri Bhavsar
9	CSE24	Evolutionary Computation based Board game learning	Chirag Suryakant Thaker Dharm Singh Sanjay M. Shah
10	CSE25	Comparative Analysis of Load Balancing: Cluster Level Vs. Application Logic Level	Shailesh Jadavbhai Molia
11	CSE26	Adaptive and Deadline Driven Scheduling Algorithm For Qos Oriented Grid	Aditya B. Patel
12	CSE28	Cluster Based Cloud Computing	Ankit Bahuguna C. L. Yogi Abhijit Kulshreshtha
13	CSE30	Handling Complex Use Scenarios For Selection of Best Resources in Grid Environment	Lata Jasvantdan Gadhavi Madhuri Bhavsar
14	CSE31	Analyzing Cloud Possibilities and Limitations	Ashish Govindbhai Revar Madhuri Bhavsar
15	CSE34	Design and Implementation of A Voice Based Search Engine Involving Dialog Based Interaction	Ruchir Hajela Debopriyo Ghosh Mukesh Kumar Rohil
16	CSE38	Data Semantic Conflicts: An Approach Based on The Notion of 'Information Bearing Capability'.	Rashmi Mantri
17	CSE39	Visualization of 3D Building Models on Google Earth	Mihir Chaudhary
18	CSE40	Clustering Based Multidimensional Sequential Pattern Mining	Nishita M Parikh Sanjay Garg

19	CSE41	Overlapping Clustering and Classification for Spatial Data Mining	Anand Bisen Pravin Soni Dipen Valani B.B.Meshram
20	CSE42	Webpage Classification Based on URLs as A Tool to Add more Relevance to Non Semantic Web Search	Srivastava Chhitiz Kumar Bheeshm Kumar Abhishek
21	CSE43	Steganography in Mobile Phones on Multimedia Data	Samir B. Patel Vivek R. Vekariya Mitesh K. Pithadiya
22	CSE45	Maultic camera Multi Object tracking using Block Search Over Epipolar Geometry	Nilesh Patel Saman Sargolzaei
23	CSE48	Machine Translation Uising Transfer Based Approach	
24	CSE51	Face Recognition Using PCA,LDA, LPP and Neural Network	Valli Madhavi Koti R.Tamilkodi K.Jaya Sudha
25	CSE52	Neural Network Aided Breast Cancer Detection	Priya Tushar Hankare
26	CSE53	Wavelets for Moving Vehicles Detection and Tracking in Traffic Monitoring Systems	Shivanand Bhimashankar Konade, Vilas Nathuji Moon
27	CSE56	A Biometric Recognition System Using Irish Images and Artificial Neural Networks	Kumar Abhishek
28	CSE57	Search and Retrieval of Audio Conversation Using Automatic Audio Transcription (Audits)	Shrinivas Vijay Karwa Sunny Chopra
29	CSE62	Performance Optimization of Transformation Technique - DCT Using NVIDIA CUDA	Daxa Vasoya Prof. Samir B. Patel S. N. Pradhan
30	CSE64	Stock Prediction by Fuzzy Neural Networks	Manoj Karathiya Ajay rawal Ayub A. jalwani
31	CSE65	Design and Implementaion of Speech Corpora for Text to Speech System for Indian Languages to Implement E-Leaning & E- Governance in India	Avinash Sharma Vijay Singh Rathore Vijay Shankar Sharma
32	CSE66	Outlier Detection Using Fuzzy Neighbourhoods	Archana Nagnath Mahanta
33	CSE67	Use of Neural Network Classifier in Face Recognition	Kailash S. Sharma Radhakrishna B. Naik
34	CSE68	The Reconstruction of user Sessions from Server Logs Using Improved Session Reconstruction (SR) Algo	Ranjeeta B. Pandhare D. V. Kodavade
35	CSE70	Basic Mathematical Aspects of Reversible Computing	Tajinderpal Singh
36	CSE72	Identifying the Faulty Classes in Object-Oriented System using Conceptual Cohesion and Coupling Metr	Deepika Yajamanam
37	CSE74	Performance Improvement in Adaboost Based Face Detection using Haar Features	Gunvantsinh D. Gohil Ramji Makwana
38	CSE75	Evaluation of Coexistence Scenario of Licensed and Unlicensed Spectrum Users	Irfan Siddavatam

39	CSE76	An Event Based Approach in Software Testing – Case Study Online Testing	Nitin Mishra Arun Kumar Yadav Arunendra Singh Sahabul Alam
40	CSE79	RDF Based Information System	Vipin Kumar N. Kumar Abhishek
41	CSE80	“Reliability Improvement Based on Ordering of Source Code”	Animesh Srivastava
42	CSE81	Role of Information Architecture in Various Fields	Neha Porwal Surendra Kadwa
43	CSE82	Penetration Testing	Ajahaar Ismailkha Pathan
44	CSE84	Inheritance Based Coupling Framework for Aspect Oriented Software Development	Amit Gupta, Pravesh Kumar Goel Neeraj Kumar
45	CSE88	A Survey on Hierarchical Routing Protocol for Sensor Network	Ankita Jain Puja Gupta Tonima Sanyal S. R Biradar Nitul Dutta
46	CSE89	Framework For Inconsistency Detection and Resolution in Mobile Computing	Pravin D. Soni Anand Bisen Sayyed Ghazali Bandu B. Meshram
47	CSE90	Location based Spatial Queries in wireless broadcast	Smeeta Mahajan Asmita D.
POSTER			
48	CSEP2	Design and Development of software agent for LAN search engine	Hnaumnat Bhagvan Sale D. V. Kodavade
49	CSEP5	Secure Classic technique for handling Attacks	S. Govardhan G. Chaitnya Kumar
50	CSEP6	Review of Research on Character Recognition of devnagri Script	Abhishek Yadav Kajal Rana Subhash Chandra Arya Pradipkumar Arya
51	CSEP17	Steganography on Real Time Data	Dipak Naphade D. B. Meshram Dipen Valani
52	CSEP18	Study and Analysis on and Efficient and High Performance text Compression with LZW Comprssion Technique	Tansen Patel Rohit Raja K. Mehta

PROGRAMME SCHEDULE - NUICONE 2010
TRACK: Concrete and Structural Engineering (CONSE)

Venue: B101

Day & Time	8:45 to 9:30	9:30 to 11:00	11:00 to 11:30	11:30 to 13:00	13:00 to 14:00	14:00 to 15:30	15:30 to 16:00	16:00 to 17:30	18:00 to 20:00
Day 1 09-12-10 Thursday	Registration (9:00 to 10:00)	Inaugural Function And Key Note Address (10.00 to 11.30) NIM-Auditorium	High Tea (11.30 to 12.00)	Technical Session 1 (12.00 to 13.00) CONSE- 17,20,24,64	Lunch	Technical Session 2 CONSE- 7,14,21,22, 37, 59	Tea	Technical Session 3 CONSE- 5,11,15,18, 32,36	Local Sight Seeing
Day 2 10-12-10 Friday	Breakfast	Technical Session 4 CONSE- 33,35,42,16,26	Tea	Technical Session 5 CONSE- 29,30,38,41,46	Lunch	Expert Lecture 1	Tea/ Poster Present ation 15:30 to 16:30	Technical Session 6 CONSE- 4,28,60,62 16:30 to 18:00	Cultural Programme Institute of Management Lawn
Day 3 11-12-10 Saturday	Breakfast	JAYPEE NU Lecture Series consisting of Expert Presentations 2,3,4 NIM-Auditorium			Lunch	Valedictory NIM-Audi.			

- Technical Sessions will consist of paper presentations by the delegates
- Expert Lecture 1 : Structural Health Monitoring by Prof. Gajanan Sabnis, CEO, 21 SHM Ltd. Mumbai.
- Expert Lecture 2: Controlling Properties of Concrete through Nanotechnology by Prof S P Shah, Northwestern University, USA
- Expert Lecture 3: Design Issues for High Rise Buildings by Shri Satish Dhupelia, Consulting Structural Engineer and President Indian Chapter of American Concrete Institute, Mumbai
- Expert Lecture 4: Know your Cement Know your Concrete by Shri V K Pandya Jt. President (Technical Services), Jaypee Cement

DETAILS OF PAPERS - NUiCONE 2010
TRACK: Concrete and Structural Engineering (CONSE)

Sr.No.	Paper ID	Paper Title	Name of Author
1.	CONSE4	Steel Fiber Reinforced Concrete Beams Under Combined Torsion-Shear	Suresh Ramraje Parekar Pant Avinash S.
2.	CONSE5	IFM and Its Dual Form For Eigen Value Analysis of Plate Bending Problems	Subhash Chand Patodi G. S. Doiphode
3.	CONSE7	Soil Structure Interaction Effect on High Rise and Low Rise Buildings	Divya Pathak P. H. Shah
4.	CONSE11	Parametric Study of G+3 Storied Composite Steel-Concrete Building	Devang R. Panchal S. C. Patodi
5.	CONSE14	Effect of Soil-Structure Interaction on Framed Structure Building With Isolated Footings using Fem-A Case Study	Sureshbhai Mavjibhai Prajapati B. J. Panchal
6.	CONSE15	State of The Art Report on Concrete-Filled Steel Tubular (CFST) Slender Beam-Columns	Chandreshkumar Motka V. I. Patel
7.	CONSE16	Automated Across Wind Response of Rectangular Tall Buildings	Podar Pooja Ashokbhai R. K. Gajjar
8.	CONSE17	Study of Strengthening Using FRP For Reinforced Concrete Beam in Flexure	Mehul Indravadan Sheth R. K. Gajjar
9.	CONSE18	Evaluation of Vapor Phase Corrosion Inhibitor in Reinforced Concrete.	Ajay Sudhir Radke P. B. Ullagaddi
10.	CONSE20	Residual Split Tensile Strength of Cubes on Blended Cement Concrete Subjected To Elevated Temperature	Kishor Sitaram Kulkarni K. S. Babunaryan Shubhash C. Yaragal
11.	CONSE21	Comparison of Earthquake Analysis Using Indian Standard and Finite Element Method	Maru Gopal Laxmanbhai N. K. Arora
12.	CONSE22	Shear Strength Characteristic of Stabilized Fly Ash	S. K. Tiwari Khandelwal Nishant
13.	CONSE24	Modern Application For Modeling of Box Girder Response	Dharmesh Babubhai Patel Tushar H. Pandya Dipak R. Tarachandani
14.	CONSE26	Design of Steel Connections As Per IS 800:2007 and Comparison With Other Codal Provisions	Ghanshyam M. Savaliya U. V. Dave
15.	CONSE28	Design of RCC and & Post-Tensioned Flat Slabs	Bosky Bahoria D. K. Parbat
16.	CONSE29	Comparative Study of The Behavior of Different Bracing Patterns For Large Silo Supporting Structures in Coal Based Power Plants	Rajesh Parmar Anil Shelar Jignesh V. Choksi Ketan Patel Ganesh Doiphode
17.	CONSE30	A Study on Application of Pushover Analysis to Balance of Plant Units of Fossil Power Plants	Rajja Bagga Jignesh V. Choksi

18.	CONSE32	Evaluation of Shear Strain Distribution in Polypropylene Fiber Reinforced Cement Concrete Moderate Deep Beams	Vinu R. Patel I. I. Pandya
19.	CONSE33	Strength and Durability Studies on High Strength Concrete Without Mineral Admixtures	Jagdeesha Kumar B. G. Adnan Khusro Prabhakara R
20.	CONSE35	Behavior of HDPE Fiber Reinforced Concrete	Venu Malagavelli Neelakanteswara Rao Paturu
21.	CONSE36	Static and Dynamic Behavior of Coupled Shear Wall	P. V. Patel Kirti Sunder Dash S. P. Purohit
22.	CONSE37	Analysis Outrigger Structural System Subjected to Lateral Loads	P. V. Patel Jigneshkumar C. Patel
23.	CONSE38	Fabrication of Frame Footing Model for the Study of Settlement of Footing	Sanjay Mathur S. K. Tiwari
24.	CONSE41	Performance Study of Bi-Angle Shape Skirte Footing in B.C. Soil Subjected To Two-Way Eccentric Load	Nighojkar S. Mahiyar H. Naik B. Pendharkar U.
25.	CONSE42	Effect of Crushed Sand on Shear Strength in Self Compacting Concrete	Bhushan H. Shinde S. S. Jamkar
26.	CONSE46	Damage Zone & Process Zone in Concrete using Acoustic Emission & FEM	Hiral C. Gandhi Santosh G. Shah
27.	CONSE59	Large Span Cable Supported Bridge	Ghanshyam M. Savaliya A K Desai S A Vasanwala
28.	CONSE60	Parametric Study of Shapes of Pylon for Cable Stayed Bridge	Thomas Blesson B. S. P. Thakkar
29.	CONSE62	Study of Effects of Provision and Location of Shear Walls in Multi –Storey Buildings	Jhanvi Suthar Sumant B. Patel
30.	CONSE64	Aerodynamic Analysis of Cable Supported Bridge Using ANSYS	N. D. Shah M. R. Khatri Parth Karia

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PROGRAMME SCHEDULE - NUICONE 2010
TRACK: Green Technologies for Chemical Process Industries (GTCPI)

Venue: Seminar Hall, Institute of Law

Day & Time	8:45 to 9:30	9:30 to 11:00	11:00 to 11:30	11:30 to 13:00	13:00 to 14:00	14:00 to 15:30	15:30 to 16:00	16:00 to 17:30	18:00 to 20:00
Day 1 09-12-10 Thursday	Registration (9:00 to 10:00)	Inaugural Function and Key Note Address (10.00 to 11.30) NIM-Auditorium	Tea (11.30 to 12.00)	Technical Session-1 GTCPI_15, GTCPI_20, GTCPI_24, GTCPI_27, GTCPI_29, GTCPI_30, GTCPI_34	Lunch	Dr R K Shah ¹ Professor IIT Bombay Seminar Hall, Inst. of Pharmacy	Tea	Technical Session -2 GTCPI_05, GTCPI_07, GTCPI_08, GTCPI_10, GTCPI_14, GTCPI_33	Local Sight Seeing
Day 2 10-12-10 Friday	Breakfast	Dr S K Nema ² Scientist, Institute of Plasma Research, Ahmedabad	Tea	Mr A.K.Jindal ³ Chief Manager - Water Technologies, Larsen & Toubro Limited, Powai Campus, Mumbai	Lunch	Dr. Zubin Varghese ⁴ Program Manager, Siemens Information Systems, Bangalore	Tea	Poster Presentations GTCPI_03, GTCPI_04, GTCPI_25, GTCPI_38	Cultural Programme Institute of Management Lawn
Day 3 11-12-10 Saturday	Breakfast	Technical Session-3 GTCPI_13, GTCPI_16, GTCPI_17, GTCPI_22, GTCPI_23, GTCPI_36	Tea	Technical Session-4 GTCPI_18, GTCPI_21, GTCPI_28, GTCPI_35, GTCPI_37	Lunch 12:30 to 13:30	Valedictory NIM-Audi.			

- 1 **Dr. R. K. Shah** will give talk on 'Microchannel Heat Exchangers'
- 2 **Dr. S. K. Nema** will give talk on 'Plasma technologies for process industries'
- 3 **Mr. A. K. Jindal** will give talk on 'Green Engineering for Sustainable Development'
- 4 **Dr. Zubin Varghese** will give talk on 'Sustainable Technologies'

DETAILS OF PAPERS - NUiCONE 2010
TRACK: Green Technologies for Chemical Process Industries (GTCPI)

Sr.No.	Paper ID	Paper Title	Name of Author
1	GTCPI_07	Synthesis of Nano-Sized Hydroxyapatite from Dead Snail Shells: A Green Technology for Waste Material Utilization	Mahuya Adak A. K. Chattopadhyay K. M. Purohit
2	GTCPI_05	Production of Biodiesel using a Green Technology	Susarla Venkata Ananta Rama Sastry A. K. Gupta
3	GTCPI_27	Studies on Removal of Dyes from wastewater using Electro-coagulation Process	Ms. Bhavna Devang Soni Mr. N. B. Patel Dr. J .P. Ruparelia
4	GTCPI_30	Electro-Fenton Treatment of Industrial Dyes Wastewater	Mr. manoj Sharma Upendra Patel J. P. Ruparelia
5	GTCPI_17	Development and Comparison of Cohesion Function Models for SRK Equation of State	Milind H. Joshipura S. P. Dabke N. Subrahmanaym
6	GTCPI_23	Multivariate calibration techniques applied to the spectrophotometric analysis of binary mixture	Nilofer Mahomedali Lakhani Milind Joshipura
7	GTCPI_22	Recovery of n-butanol from its Ternary Azeotropic Mixture with Methanol and Water	Leena V. Bora
8	GTCPI_16	Comparative studies on Synthesis of Protease and Bioconversion of Cr+6 to Cr+3 by Bioleaching technique using Isolated Microbial consortia in Lab scale Batch experiment	Chiranjib Bhattacharjee Arijit Nath R. Chowdhury
9	GTCPI_24	Designing of the Combustion Chamber for Plasma Pyrolysis System	Surabhi Rathore J. P. Ruparelia S. K. Nema P. V. Murugan A. Sanghariyat C. Patil, B. K. Patel
10	GTCPI_08	Review of Gas holdup and Bubble Characteristics of Bubble Column Reactors	Santosh Madhav Walke Vivek S. Sathe
11	GTCPI_13	Slow Draining of Large Tank Under Gravity	Chirravuri Naga Venkata Subbarao, GVSK Reddy
12	GTCPI_14	Effect of Polymer Additions on the Dynamics of a Fluid for once through Systems	Chirravuri Naga Venkata Subbarao, D. Krishna
13	GTCPI_28	Review paper on Platinum Group Metal Free catalyst for automotive exhaust emission	Femina Jitendra Patel Sanjay Patel
14	GTCPI_34	Tailoring the Size of ZnO Nanocrystal	Venu Mankad Sanjay D. Gupta Satyam Shinde Shibu Pillai Prafulla K. Jha

15	GTCPI_21	Applicability of Dual – Media Up Flow Anaerobic Filter Reactor to Treat Textile Process House Waste	Sandip Sharma M. Shah
16	GTCPI_10	Study on Polypropylene Composites prepared from Recycling of Waste Melamine Formaldehyde Polymer	D. R. Mandavia, G. K. Lalchandani Ramashanker Mahato
17	GTCPI_15	Wind Energy Conversion System using PMSG	Siddharth Sanjaykumar Joshi Ankkit Patel Pinkal Patel Vinod Patel
18	GTCPI_35	Methods used in decreasing the emissions of NO _x associated with the use of biodiesel	Neha Patni
19	GTCPI_18	Exergy Analysis of Cement Manufacturing Process	Samir C. Nimkar R. K. Mewada
20	GTCPI_20	Biofuel production using weeds primarily parthenium hysterophorus and flower dump from the Mahakaleshwar temple-A study	Dishant Bisaria
21	GTCPI_37	Treatment of Synthetically Prepared Organic Effluent in A Plastic Media Biotower	P. S. Patel A. K. Bharadwaj
22	GTCPI_36	Phenol Removal using Polymeric Adsorbent Based on Methyl Methacrylate & Divinyl benzene	Nikita P. Chokshi Pritpal Singh Anand
23	GTCPI_29	Phycoremediation of industrial wastewater containing azo compounds	Dipti Narayan Galani
24	GTCPI_33	Combined Cooling Heating and Power Systems – A review	Arpana. A. Sharma Dr. R. K. Mewada
Poster			
25	GTCPI_PO_03	Applications of Nanotechnology	Kashish Mukesh Makhijani
26	GTCPI_PO_25	Application of Chemical Looping Combustion Technology for separation of CO ₂ from Flue Gases	Rajul Prakashkumar Nayak Prof. Parin D. Shah
27	GTCPI_PO_04	E-waste Management	Susarla Venkata Ananta Rama Sastry & P. Ramesh
28	GTCPI_PO_38	C-Tech -A Novel Wastewater Treatment Technology	Seema Nihalani

PROGRAMME SCHEDULE - NUICONE 2010
TRACK: Instrumentation and Control Engineering

Venue: D-103

Day & Time	8:45 to 9:30	9:30 to 11:00	11:00 to 11:30	11:30 to 13:00	13:00 to 14:00	14:00 to 15:30	15:30 to 16:00	16:00 to 17:30	18:00 to 20:00
Day 1 09-12-10 Thursday	Registration (9:00 to 10:00)	Inaugural Function and Key Note Address (10.00 to 11.30) NIM-Auditorium	Tea (11.30 to 12.00)	Technical Session I (award winning paper presentations) (ICE_0002,004,005,007,008) D-103	Lunch	Technical Session II (award winning paper presentations) (ICE_009,14,15,16) D-103	Tea	Tea Followed by Poster Presentation Technical Session (ICE_P001,02,03,04,05) D-Lawn	Local Sight Seeing
Day 2 10-12-10 Friday	Breakfast	Expert Lecture on Advances in Control & Optimization and its industrial applications, By Dr. J.J. Barve GE-Banglore Law, 2nd floor, Room No.-8	Tea	Technical Session III Paper Presentation (ICE_0001,3,6,11,13,17,18) D-103	Lunch	Expert Lecture (Digital Controller Design for Power Electronic Applications – by Dr. L. Umanand, CEDT, IISc, Bangalore) C- Auditorium	Tea	Expert Lecture (Drives and Automation – by Dr. Samsul Ekram, Global R&D Centre, Crompton Greaves Limited, Mumbai) C-Audi.	Cultural Programme Institute of Management Lawn
Day 3 11-12-10 Saturday	Breakfast	Expert Lecture (Reinforcement Learning – by Prof. M. Gopal, IIT Delhi) C- Auditorium	Tea (11:00 to 11:15)	Expert Lecture (Fundamentals of System on Chip) By Dr. D.J. Shah (11:15 to 12:30)	Lunch 12:30 to 14:00	Valedictory NIM-Audi.			

DETAILS OF PAPERS - NUiCONE 2010
TRACK: Instrumentation and Control Engineering

Sr.No.	Paper ID	Paper Title	Name of Author
1	ICE_O02	Recognition of Images like faces, Letters using Multi layer Perceptron	Shukla Pooja S. Dr. Vipul A. Shah
2	ICE_O04	Derivation of Respiration Rate from ECG using LabVIEW	Poorti M. Vyas M. S. Panse
3	ICE_O05	VI based automated system for characterization of Medical Electron Linear Accelerators	Sneha Manohar Mane M.S. PANSE
4	ICE_O06	Performance analysis of IMC based PID controller tuning on approximated process model	Ankit Kiritkumar Shah Markana Anilkumar Nishant Parikh
5	ICE_O07	Cascade Control System Design and Auto Tuning using Relay Feedback Technique	Alpesh Patel Naimesh Mehta
6	ICE_O08	Design and Implementation of FPGA Based Low Power Digital PID Controller	Haresh Tharu K. C. Dave
7	ICE_O09	Robotic bionic arm with advance sensors	Nitesh Kumar Jangir Raghuwar Soni
8	ICE_O11	A Brief Survey on Various Issues of Networked Control System	Ishaq sheikh A. J. Mehta B. Bandyapadhyay
9	ICE_O13	Humanoid robots used for surveillance	Shanker Godwal Keshav Kumar
10	ICE_O14	Application of Various Wavelets on Renal Stones Images for Characterization	Raksha Patel Saurin Shah
11	ICE_O15	Optimal Control of CSTR	Kalpesh Pathak Anil Markana Nishant Parikh
12	ICE_O16	Automation of Embedded Smart Apartment	R. Meena A. K. Gnanasekar S. Jayashri
13	ICE_O17	Design and Simulation of 2-DOF digital PID controllers with MATLAB based GUI	S A Mehta Kuldeep Malhotra Aditya Baid
Poster			
14	ICE_P01	Recognition of An Image Using Neural Network	Shukla Pooja S. Vipul A. Shah
15	ICE_P02	Nano-technology an Innovations for Non-Conventional Energy Sources	Shashi Prabha Shivanand B. Konade
16	ICE_P03	Recent Technologies in Biomedical Instrumentation	Aparna Sinha Jalpa B. Shah

17	ICE_P04	Generalized Wireless Sensor Network Architecture	Dhwanit Kishorkumar Chotaliya
18	ICE_P05	PIC Based Data Acquisition System using Ethernet Protocol	Ripal M. Pathak N. B. Mehta

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Industrial Research**

PROGRAMME SCHEDULE - NUICONE 2010
TRACK: Mechanical Engineering

Venue: Seminar Hall, Institute of Pharmacy

Day & Time	8:45 to 9:30	9:30 to 11:00	11:00 to 11:30	11:30 to 13:00	13:00 to 14:00	14:00 to 15:30	15:30 to 16:00	16:00 to 17:30	18:00 to 20:00
Day 1 09-12-10 Thursday	Registration (9:00 to 10:00)	Inaugural Function and Key Note Address (10.00 to 11.30) NIM-Auditorium	Tea (11.30 to 12.00)	Technical Session I (ME-2,6,10,15,32)	Lunch	Dr R K Shah Professor IIT Bombay	Tea	Technical Session -2 (ME-1,3,4,9,12)	Local Sight Seeing
Day 2 10-12-10 Friday	Breakfast	Dr. Ram K. Iyengar, President, Technovations International Inc USA	Tea	Technical Session -3 (ME-16,19,21,22,36)	Lunch	Technical Session -4 (ME-8, 13,14, 23)	Tea	Poster Presentations (ME-47) + Technical Session -5 (ME-24,30, 33,35,37)	Cultural Programme Institute of Management Lawn
Day 3 11-12-10 Saturday	Breakfast	Exper Lecture Mr A R Srinivas SAC, ISRO, Ahmedabad and Presentation by Altair Engg (I) Ltd	Tea (11:00 to 11:15)	Technical Session-6 (ME-5,26, 38,39)	Lunch 12:30 to 13:30	Valedictory NIM-Audi.			

- 1 **Dr R K Shah** will give talk on 'Microchannel Heat Exchangers'
- 2 **Dr. Ram K. Iyengar**, President, Technovations International Inc, Recent developments in Heat treating and Thermal spray surface treatment of steel products
3. **Mr A R Srinivas, Mr Vinod Atpadkar**: Multidisciplinary, Reliability and Robustness Optimization- Case Studies

DETAILS OF PAPERS - NUiCONE 2010
TRACK: Mechanical Engineering

Sr.No.	Paper ID	Paper Title	Name of Author
1	ME01	Optimization of Design Parameters of Stirling Cryocooler	M. J. Vanjara D. T. Oza
2	ME02	Stress Distribution around Triangular Hole in Orthotropic Plate	D. S. Sharma
3	ME03	Behavior of Particle Tracers in the Steady and Periodic Wakes of a Circular Cylinder	Shaswat Saincher Jyotirmay Banerjee
4	ME04	Numerical Thermo-Fluid Analysis of Transverse Mixed Convection inside a Vented Enclosure	Bhargav M. Chavada Dipak J. Parmar Ranvir Goswami
5	ME05	Prediction of Welding Penetration in Gas Metal Arc Welding Process using an Artificial Neural Network	Dipali P. Pandya Nilesh Ghetiya
6	ME06	On board weighing System for Trailer Applications.	Vijay Kanjibhai Patel
7	ME08	Aerodynamic Design for Monorail Train Nose	Dhwanit S. Panchal Reena Trivedi S. J. Joshi
8	ME09	Study of Temperature Profile across the Height of Downdraft Gasifier	Vinay Rohera R. N. Patel
9	ME10	High-speed Turning of Titanium alloy (Ti-6Al-4V) using Water Vapour as a Coolant	Raju S. Pawade D. S. N. Reddy Ganesh S. Kadam
10	ME12	Importance of Cross over Radius with reference to Critical Radius for Radial Heat Conduction	Dipak J. Parmar Bhargav M. Chavada
11	ME13	Multiple Attribute Decision making Method for Material Selection using PROMETHEE	M. A. Makhesana R. V. Rao
12	ME14	Dynamic Mechanical Behavior of Woven Gogu Fiber Composites	K. Kishor Kumar K. Raja Narendra Reddy D. K. Nageswara Rao
13	ME15	Variation of Heat and Mass Transfer in MHD Natural Convective Flow Past a Moving Variable Vertical Surface in Porous Media	S. Kapoor R. Gupta S. Dhawan
14	ME16	Development of Economical Viable Vapour Compression Refrigeration Cycle based Domestic Water Heater	Nimesh Gajjar N. M. Bhatt A. M. Lakdawala
15	ME19	Comparative Analytical and Numerical Study of Physical Equations for an Axi-symmetric Laminar Jet Problem	S. Kapoor R. Gupta V. Dabral
16	ME21	Numerical Investigation of Boundary Layer Control Over an Airfoil	Tausif Shaikh A. M. Lakdawala N. K. Shah S. V. Jain

17	ME22	Characterization of the Tank Vent by CFD Analysis and Experimental Study	Roshani Patel Gaurav Patel Vijay Chaudhary
18	ME23	Finite Element Analysis of Air Engine Piston	Sachin P. Ambade Chetan K. Tembhurkar Rajesh R. Kandalkar
19	ME24	Use of Adaptive h-refinement Convergence for Stress Analysis and Weight Optimisation for Bracket Used for Installation of Non Clog Submersible Pump	Pratik H. Shah Vijay P. Chaudhary
20	ME26	Use of Genetic Algorithm in Supplier Selection	Bhagwat M. M. Bhushi U. M. K. Vizayakumar
21	ME30	Comparison and Simulation of Passive and Semi Active Suspension System for Multi-Utility Cars by Modified Skyhook Control Theory Using Full Car Model	Suketu Y Jani A.B.Mistry
22	ME32	Energy Efficiency Improvement Potential for Thermal Power Station through Energy Audit	Bhavik R. Patel M K Bhatt
23	ME33	Performance Characteristics of a Disc Brake Friction Material	Pradnya Kosbe Chittaranjan More
24	ME35	Explicit Finite Element Modeling of Web-Roller Interaction in Web Process Machinery	Siddharth Vaijapurka
25	ME36	Experimental Investigation on Double Inlet Pulse Tube Refrigerator	Hitarth V. Shah B. A. Shah
26	ME37	Numerical Analysis of Korteweg-de Vries Equation: Finite Element Solution	S. Dhawan S. Kapoor
27	ME38	Parametric Optimization of Wire Electrical Discharge Machining of Gamma Titanium Aluminide in Rough Cutting Operation	S. Sarkar S. Mitra
28	ME39	Experimental Investigation on Electrochemical Deburring (ECD) of SS304 Stainless Steel for enhanced Deburring characteristics	S. Mitra S. Sarkar
		Poster	
29	ME47	Design and Optimization of Volute casing	A. S . Mohite J. I. Nanavati

PROGRAMME SCHEDULE - NUICONE 2010
TRACK: Power Electronics, Machines & Power Systems (PEMPS)

Venue: C-Auditorium

Day & Time	8:45 to 9:30	9:30 to 11:00	11:00 to 11:30	11:30 to 13:00	13:00 to 14:00	14:00 to 15:30	15:30 to 16:00	16:00 to 17:30	18:00 to 20:00
Day 1 09-12-10 Thursday	Registration (9:00 to 10:00)	Inaugural Function and Key Note Address (10.00 to 11.30) NIM-Auditorium	Tea (11:30 to 12:00)	Technical Session I (presentations of the papers competing for the award) (Paper ID: PEMPS-05, 09, 16, 24, 28, 32) (12:00 to 13:00) C-Audi.	Lunch	Technical Session – II (Paper ID: PEMPS-12, 22, 30, 31) C-Audi.	Tea	Technical Session – III (Paper ID: PEMPS- 10, 19, 20, 23) C-Audi.	Local Sight Seeing
						Poster Session (Paper ID: PEMPS-34, 37, 38, 40, 41, 42, 44, 45, 47, 48) C-Lawn			
Day 2 10-12-10 Friday	Breakfast	Technical Session – IV (Paper ID: PEMPS-08, 13, 14, 18) C-Audi	Tea	Expert Lecture – I (Development of 1200 kV Transmission System: an Overview in Indian Context – by Mr. G. V. Akre, Director, High Volt Trans. Ltd.,) C-Audi.	Lunch	Expert Lecture – II (Digital Controller Design for Power Electronic Applications – by Dr. L. Umanand, CEDT, IISc, Bangalore) C-Audi.	Tea	Expert Lecture – III (Drives and Automation – by Dr. Samsul Ekram, Global R&D Centre, Crompton Greaves Limited, Mumbai) C-Audi.	Cultural Programme Institute of Management Lawn
Day 3 11-12-10 Saturday	Breakfast	Expert Lecture – IV (Reinforcement Learning – by Prof. M. Gopal, IIT Delhi) C-Audi.	Tea (11:00 to 11:15)	Technical Session – V (Paper ID: PEMPS-04, 15, 17, 21, 26) (11:15 to 12:30) C-Audi.	Lunch 12:30 to 13:30	Valedictory NIM-Audi.			

DETAILS OF PAPERS - NUiCONE 2010
TRACK: Power Electronics, Machines & Power Systems (PEMPS)

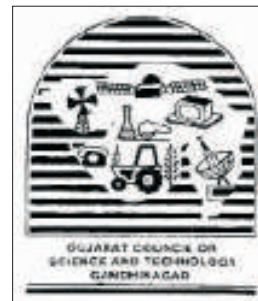
Sr.No.	Paper ID	Paper Title	Name of Author
1	PEMPS04	Intelligent Relaying Approach for Fault Detection of Transmission Lines	Abhijit A. Dutta A. N. Kadu N. Khonde M. M. Rao
2	PEMPS05	Comparison of SPWM and SVPWM Scheme for Two- Level Inverter Fed Induction Motor Drive	Manish G. Prajapati Rohit D. Prajapati Pinkal J. Patel
3	PEMPS08	Six Sigma For Reduction in Auxiliary Power Consumption in Thermal Power Plant	Ritesh M. Shah Ankit V. Gajjar
4	PEMPS09	A Mathematical Model for Estimating IGBT Losses and Junction Temperature of VVVF Inverter using PSIM	Ankit Patel Siddharth Joshi Raj Patel Heena Chandwni Vinod Patel Kaushal Patel
5	PEMPS10	Design, Simulation and Implementation and Control of Digital Self- Compensating Method for Integral Cycle Power Control for R-L Load	N. D. Mehta B. D. Kanani B. B. Kadam
6	PEMPS12	Comparative Analysis of Conduction Modes for Three Phase Six Switches Voltage Source Inverter	Nirav D. Patel Tejas. H. Panchal Rameshvar P. Sadhu Mitesh N. Priyadarshi
7	PEMPS13	A 10kV, 100mA DC Power Supply using Zero Voltage Switching with Full Bridge AC-DC Converter	Jignesh Pandya J. G. Jamnani
8	PEMPS14	Analysis of Draft Tube Oscillations in Hydro Power Plant Using Time Frequency Resolution	P. Srikanth K. A. Naik A. K. Chandel
9	PEMPS15	Analysis of Terminal Voltage & Frequency Regulation of Interconnected Synchronous Generator and Self-excited Induction Generator in micro hydro scheme using STATCOM	S. P. Gawande K. B. Porate
10	PEMPS16	Design and Simulation of 1 kW Active Rectifier	Maulik J. Shah U. A. Patel Rameshvar P. Sadhu Mitesh N. Priyadarshi
11	PEMPS17	MICROGRID : A Novel Solution, Control and Grid Integration Problems	Bindu U. Kansara B. R. Parekh
12	PEMPS18	Modeling of Microgrid Sources	Bindu U. Kansara B. R. Parekh
13	PEMPS19	Analysis of Series Loaded Resonant converter for Different Conduction Modes	Alpa Gopiyani Vinod Patel M. T. Shah

14	PEMPS20	Simulation of di/dt Measurement Circuit for the Fault Discrimination in High Voltage D.C. Crowbar Application	Bhavesh Raval Vinod Patel A. N. Patel Kaushal Patel
15	PEMPS21	Optimal Power Flow in Power System Network by using FACTS Device UPFC	Vaghela Hitendra Babusinh Joshi Ashish Dhirubhai Jilledi Sunil Kumar CH. Chengaiaha Panchal Rajesh D.
16	PEMPS22	Non linear SMIB model of (STATCOM) Static Synchronous Shunt Compensator for damping of Power System Oscillations	S. S. Kanojia V. K. Chandrakar
17	PEMPS23	DC/DC Buck Converter using Synchronous Rectification Technique: A Review	Krunalsinh H. Dattesh M. T. Shah
18	PEMPS24	Surface Mounted Permanent Magnet Synchronous Motor with Fractional Slot Concentrated Winding: A Review	Vishal D. Devdhar R. H. Patel
19	PEMPS26	Polarised Mho Distance relay: Issues and Solutions	A. N. Sarwade P. K. Katti J. G. Ghodekar
20	PEMPS28	Design and Development of Single-phase CCM Boost PFC Converter With Variable Duty-cycle Control To Achieve High Input Power Factor	P. N. Tekwani
21	PEMPS30	Vibro –Acoustic Analysis: Alternative to the Frequency response analysis of Power Transformers	Bhatt Mihir Ashokkumar Dipesh M .Patel A. R. Pandya
22	PEMPS31	A Hybrid Approach to Reduce Power Losses in Radial Distribution Systems	Damanjeet Kaur
23	PEMPS32	Current Error Space Phasor Based Fixed Band Hysteresis Controller Employed for Shunt Active Power Filter	P. N. Tekwani Siddharthsingh K. Chauhan Mihir C. Shah
Poster			
24	PEMPS34	Electrical Fault Detection in Three Phase Induction Motor by Vibration Analysis using Piezoelectric Accelerometer	Dattesh Y. Joshi Dipesh. M .Patel A. R. Pandya
25	PEMPS37	Design and Simulation of a Single-Phase Front-End Converter	P. N. Kapil Parth Gandhi Utsav Gonawala
26	PEMPS38	Comparative analysis of series connected FACTS controllers with conventional methods of series compensation for large industrial loads	Avdhut D. Baing J. G. Jamnani M. R. Sharma
27	PEMPS40	Power Industry in India: Current State and Restructuring	Anshu Khemani
28	PEMPS41	Design and fabrication of stepper motor control system using serial communication for position control	Neel Shah A. N. Patel

29	PEMPS42	Active Power Filter by Using PI and Fuzzy Control	Chandani Parmar B. R. Parekh
30	PEMPS44	Design & Development of Pulse Width Modulation (PWM) DC-DC Converter With Soft Switching Network	Rashmi Sharma Santosh C. Vora
31	PEMPS45	Design and Fabrication of High Efficiency ZVT Boost Converter for Power Amplifiers	Monika R. Sharma A. N Patel P. N. Kapil
32	PEMPS47	Application of On-line Partial Discharge Measurement on Rotating Machines	Priya R. Nagar S. H. Chetwani S. C. Vora
33	PEMPS48	An Improved Transformer Inrush Restraint Algorithm Increases Security While Maintaining Fault Response Performance	Rohit Patil



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PROGRAMME SCHEDULE - NUICONE 2010
TRACK: Signal Processing and Communication

Day & Time	8:45 to 9:30	9:30 to 11:00	11:00 to 11:30	11:30 to 13:00	13:00 to 14:00	14:00 to 15:30	15:30 to 16:00	16:00 to 17:30	18:00 to 20:00
Day 1 09-12-10 Thursday	Registration (9:00 to 10:00)	Inaugural Function and Key Note Address (10.00 to 11.30) NIM-Auditorium	Tea	Expert Lecture-I Dr. S. C. Sahasrabudhe Director DAIICT	Lunch	Invited Talk Dr. Borko Fuhrt, FAU Video and Audio Processing (C-Audi)	Tea + Poster Presentation (15:30-16:15) SPC 135	Technical Session-I SPC E5, 311, 356, 183, 472 Prof. Usha Neelkathan, VIT, Ahmedabad	Local Sight Seeing
Day 2 10-12-10 Friday	Breakfast	Technical Session-II SPC E6, 246,362,589 Dr. S. B. Chakraborty SAC, ISRO	Tea	Expert lecture -II Dr. V. M. Gadre, EE Deptt., IIT Bombay	Lunch	Technical Session-III SPC 147, 222, 244, 461, 462 Dr. A Banerjee, DA-IICT	Tea	Technical Session-IV SPC 446, 502, 533, 192 Dr. V. Chakka, DAIICT, Ahmedabad	Cultural Programme Institute of Management Lawn
Day 3 11-12-10 Saturday	Breakfast	Expert Lecture-III Dr. M. Gopal, IIT Delhi (C-Audi)	Tea	Expert Lecture-IV Dr. Nishith Pandya CEO, Ntice Technologies Ahmedabad	Lunch 12:30 to 13:30	Valedictory NIM-Audi.			

Venue for Technical sessions and expert lectures : Room No. L1, 2nd Floor, Above Library, Institute of Management

- (1) Expert Lecture - I **“Trends in signal/image processing.”**
- (2) Expert Lecture - II **“Scalable video coding.”**
- (3) Expert Lecture IV **“Adaptive Coding for Software Defined Radio.”**

DETAILS OF PAPERS - NUiCONE 2010
TRACK: Signal Processing and Communication

Sr.No.	Paper ID	Paper Title	Name of Author
1.	SPC E5	Efficient Removal of Impulse Noise using Adaptive Median Filter	R. K. Kulkarni, Ashwini S. Sawant S. Meher
2.	SPC E6	Design and Analysis of Rectangular Ring Microstrip Antenna for Breast Cancer Tumor Detection	Sangam Kumar Singh V. S. Tripathi
3.	SPC 147	Modified Min Sum Algorithm for Next Generation Satellite Broadcasting System: ABS-S	Mayank A. Ardeshana D. K. Kothari
4.	SPC 183	Wavelet Based Implementation of Compression and Denoising Techniques using Biometric Images	Ajay Krishnan Nilakantan Anil Kishore
5.	SPC 222	Simulation and Comparison of Variant A5 Algorithms for GSM System	Jay M. Joshi Upena Dalal
6.	SPC 244	Channel Modelling of MIMO System in Urban Macrocell Environment using Hybrid GA	Chinmaya Mahapatra T. K. Dasgupta
7.	SPC 246	Laptop Antenna Design With Dual Band Microstrip Patch using Slots for WLAN Applications.	Kaminee U. Gaikwad A.N.Gaikwad
8.	SPC 311	Simulation and Performance Evaluation of Wi-Max 802.16e OFDMA Systems	Sudeep Kumar Jain Raksha Upadhyay Smita Patil
9.	SPC 356	Density Evolution Analysis of LDPC Codes for Slepian-Wolf Coding of Nonuniform Sources	Raghunadh K Bhattar K. R. Ramakrishnan K. S. Dasgupta
10.	SPC 362	Rectangular Microstrip Patch Antenna on Liquid Crystal Polymer Substrate	B. T. P. Madhav VGKM Pisipati P. Sreyash P. L. Madhuri
11.	SPC 446	Speaker Identification using Fuzzy Min-Max Neural Network	N. P. Jawarkar T. K. Basu R. S. Holambe
12.	SPC 461	Efficient Stochastic Dijkstra Protocol for Mobile Ad-Hoc Network With Quality of Service	Dilip Patel Dr. D. K. Kothari
13.	SPC 462	Cooperative Wireless Communication: How Far from Practical Implementation?	Manisha Upadhyay D. K. Kothari
14.	SPC 472	A Pseudo-Fractional Dynamic Order Estimation for Structure Adaptation of LMS	Asutosh Kar Govind Murmu
15.	SPC 502	Effect of Measurement on Compressive Sensing	Madhuparna Chakraborty Alaka Barik Swati Katwal
16.	SPC 533	A Novel Region Based Image Fusion Method using Highboost Filtering and Fuzzy Logic	Tanish Zaveri Mukesh Zaveri Ishit Makwana

17.	SPC 589	Design & Evaluation of Millimeter Wave Microstrip Line	Shilpa Kharche R. C. Sethi A. Venu Gopal S. .S Prabhu Gaurav Jaiswal P. U. Dere
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PROGRAMME SCHEDULE - NUiCONE 2010
TRACK: VLSI Design & Technology (VDT)

Venue: A-108

Day & Time	8:45 to 9:30	9:30 to 11:00	11:00 to 11:30	11:30 to 13:00	13:00 to 14:00	14:00 to 15:30	15:30 to 16:00	16:00 to 17:30	18:00 to 20:00
Day 1 09-12-10 Thursday	Registration (9:00 to 10:00)	Inaugural Function and Key Note Address (10.00 to 11.30) NIM-Auditorium	Tea (11.30 to 12.00)	Department Expert Lecture Mr. TVS Ram Head, OSPD SAC-ISRO (12.00 to 13.00) A -108	Lunch	Technical Session -I (award winning paper presentations) Chair person TVS Ram SAC-ISRO Paper ID : VDT12, 13,11, 07	Tea	Poster Session Session Chair Dr Mihir Shah Professor, Vishvakarma Govt Engg. Collge, Chandkheda Paper ID : VDT23, 24, 26, 29, 31, 32, 36, 38, 40	Local Sight Seeing
Day 2 10-12-10 Friday	Breakfast	Technical Session- II Chair Person Shri Samir Shroff VP Technical SiBridge Technologies Paper ID : VDT04, 10, 02, 05	Tea	Department Expert Lecture Shri Samir Shroff VP , Technical, Sibridge Technologies	Lunch	Department Expert Lecture On Cordic Methods for FPGA Dr.Leena Vacchani (Common with CSE Track) C Audi.	Tea	Technical Session-III Chair Person Shri.N.M.Desai SAC-ISRO Paper ID : VDT08, 09, 16, 17	Cultural Programme Institute of Management Lawn
Day 3 11-12-10 Saturday	Breakfast	Technical Session- IV Chair Person Dr D J Shah Principal LCIT, Bhandu Paper ID : VDT18, 09, 20, 01	Tea (11:00 to 11:15)	Department Expert Lecture Dr D J Shah (11:15 to 12:30)	Lunch 12:30 to 13:30	Valedictory NIM-Audi.			

DETAILS OF PAPERS - NUiCONE 2010
TRACK: VLSI Design & Technology (VDT)

Sr No	Paper ID	Paper Title	Author's Name
1.	VDT1	Multiple-Node Charge Collection in 65 nm Technology Triple-Well SRAMs	Indranil Chatterjee Nihaar N. Mahatme Bharat L. Bhuvra Ronald D. Schrimpf Shi-Jie Wen Richard Wong
2.	VDT2	Low Power and Low Jitter PLL for Clock Generator	Kruti Pranavkumar Thakore N. M. Devashrayee
3.	VDT4	Low Power Testing Architecture in Built-in Self Test	Harikrishna C. Parmar U. S. Mehta
4.	VDT5	Characterization & Comparative Analysis of High Speed CMOS Comparator for Pipelined ADC	Priyesh Pratapbhai Gandhi N. M. Devashrayee
5.	VDT7	Synthesis of Reversible Circuits by Different Methods and their Optimization	Sumit Raj Shashank Pandey Raj Kumar Singh Vinjam Snadhya
6.	VDT8	Modified Floating Point Hardware for Interval Arithmetic	Tejas V. Shah J. S. Shah
7.	VDT9	Implementation of High Frequency Direct Digital Frequency Synthesizer on FPGA	Akash Isudas Mecwan Vijay Sawani N. P. Gajjar
8.	VDT10	Single Event Upset Mitigation Techniques Implementation Based on TMR	Vijay G. Savani Akash Mecwan N. P. Gajjar
9.	VDT11	A New High Performance adder Cell Design and analysis with Minimum Transistors	Pankaj Kumar Tripathi S. Wairya V. Narendra R. K.Nagaria S. Tiwari
10.	VDT12	Effect of Parameter variations on Low Power Folding & Interpolating ADC	Shruti Oza N. M. Devashrayee
11.	VDT13	A 2-D Subthreshold Analytical model for Short Channel Effects in Nanowire MOSFETs (Si, Ge)	Gaurav Mahajan Rakhi Narang Manoj Saxena V. K. Chaubey
12.	VDT16	Effect of Parameter variation on Second generation Current Conveyor	Amisha Naik N. M. Devashrayee
13.	VDT17	Analysis of Test Data Compression Methods using Huffman Codes	Kinjal Ashokkumar Bhavsar U. S. Mehta
14.	VDT18	A Proposed Low Power 8-T SRAM Cell for Programmable Devices	Prashant Upadhyay Rajesh Mehra

15.	VDT19	Sense Amplifier Based D Flip Flop Implementation in 0.18 μ m Technology	Piyush Maganbhai Bhatasana Vijay G. Savani Akash Mecwan Deepak Bansal
16.	VDT20	Scaling Effect over Proposed Technique "VSECURE" for Static Power Reduction in Digital CMOS VLSI circuits	Vaibhav Neema Sanjeev Tokekar
Poster			
17.	VDT23	Novel nano scaled MOSFET(Tunnel FET)	Bhavin D. Gajjar Ravi Butani
18.	VDT24	Performance Evaluation of Leakage Reduction Technique for a Single SRAM Cell at 45nm Technology	Yashwant Singh D. Boolchandani
19.	VDT26	Survey on Current Verification Techniques for System on Chip (SoC)	Dhaval Maheshkumar Modi Abhishek Vaghela
20.	VDT29	Multiple Input Single Output Filters Using CMOS DVCC in 0.25 μ m Technology	Vaishali Hitesh Dhare Amisha Naik
21.	VDT31	VHDL Implementation of DMA Controller for advanced high performance AMBA bus architecture	Archana Rameshkumar Tiwari, D. J. Dahigaonkar
22.	VDT32	Implementation of Single Precision Floating Point Processor Using FPGA	Prashant R. Rothe R. V. K. Shrisagar
23.	VDT36	Organic semiconductors as Organic Field Effect Transistors: A mini review & Simulation studies	Sarita Kumari Sandeep K. Arya Sajjan Dahiya Vikas Rana
24.	VDT38	Vhdl Implementation of Network Repeater	Payal Jain
25.	VDT40	Low Power Sram Cell Using 0.18 μ M Technology	Pankaj Punamchand Prajapati Rahul Thakar

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VJTI, Mumbai</p> <p>3. Nishant Parikh
PDPU, Gandhinagar</p> <p>4. Patel Alpeshkumar Ishwarbhai
L.D. College of Engineering
Ahmedabad</p> | <p>16. Sandip Mehta
Institute of Technology
Nirma University</p> <p>17. Jalpa Shah
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Nirma University</p> <p>18. Akhunji Sabbirhusen Nisarahma
Student
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- 19.. Devani Nileshkumar Bhanubhai
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20. Flora Kanikdeep Gurmeetsingh
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21. Gandhi Ravi Vikramkumar
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22. Joshi Sandeepkumar P.
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23. Nitin Kumar Jhankal
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24. Patel Tigmanshu Jayeshbhai
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25. Pitolwala Nakul Ghanshyambhai
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Nirma University
26. Prajapati Himaxi Revabhai
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27. Shah Palak Jatinbhai
Student
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Nirma University
28. Shah Priyal Rajivbhai
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29. Thaker Jhanvi Ashwin
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30. Anuradha Tandon
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31. Tuteja Vini Harbhajansingh
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32. Vyas Dipesh Shantibhai
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33. Darji Hiren P.
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34. Sunit Jayesh Shah
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TRACK: Mechanical Engineering

1. M. J. Vanjara
U. V. Patel College of Engineering,
Ganpat University,
Kherva (Mehsana).
2. Patel Nirav
Nirma University
Ahmedabad
3. Panchal Khushbu
Nirma University
Ahmedabad
4. Shaswat Saincher
Indian Oil Corporation Limited

5. Ranvir Goswami
GCETV, V Nagar
6. Vijay Kanjibhai Patel
U. V. Patel College of Engineering,
Ganpat University, Kherva (Mehsana).
7. Dhwanit S. Panchal
Remsons Industries Ltd.
Kandivali (West), Mumbai
8. Vinay Rohera, R. N. Patel
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9. Ganesh S. Kadam
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14. Roshani Patel
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15. Gaurav Patel
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16. Sachin P Ambade
G.H.Raisoni College of Engineering
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18. Rajesh R Kandalkar
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21. Suketu Y. Janil
ITE, Rancharda
22. Mr. Bhavik R. Patel
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23. Pradnya Kosbe
Jayawantrao Sawant College of Engg.,
Pune
24. Siddharth Vaijapurka
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| 31. Kikani Dhwanitkumar Arvindbhai
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| 32. Panchal Jawal Jashwantkumar
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| 33. Panchal Ramakant Ishwerbhai
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| 35. Patel Payal Pravinbhai
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| 36. Patel Vikesh Bipinbhai
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| 37. Praveen C. Bawal
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| 38. Rana Chirag Rameshbhai
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| 39. Raval Nipun Pravinbhai
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| 40. Saiyed Soyebmohamed Zaynuddin
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| 41. Sandhanshiv Rahul Dilip
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Student
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| 53. Oza Ritesh Pankajbhai
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| 54. Pandya Mukundkumar Bipinchandra
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| 55. Parmar Prakash Maganlal
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| 56. Patel Toral Vinod Minal
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| 57. Soni Milind Kamleshkumar
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| 58. Soni Sanketkumar Dipakkumar
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| 59. Upadhyay Darshit Shaileshkumar
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| 60. Verma Vinaykumar Tarunkumar
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| 61. Tilva Brijeshkumar Dineshbhai
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| 62. Patel Gunjan Shaileshkumar
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| 74. Vyas Chirag Rajendrakumar
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| 75. Vyas Vishal Niranjankumar
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| 76. Chauhan Dipeshkumar Mohanlal
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| 77. Vaghasia Ravikumar V.
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| 78. Rajput Vijaysinh Khumansinh
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| 79. Hardik Nathalal Panchani
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| 80. Amir Abdulkadir Abdulyunus
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| 81. Bhatt Nirmalkumar Pramodchandra
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| 82. Chaudhari Vinaykumar Shankarbhai
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| 96. Mehta Kushal Kalpeshbhai
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| 97. Patel Vikas A.
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| 98. Kansagara Hemang Kiritbhai
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| 99. Desai Sunny Naileshkumar
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Nirma University | 110. Prajapati Dipeshkumar Ashokkumar
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| 100. Gaidhani Mangesh Sudhakar
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Nirma University | 111. Shah Rupen Sunilkumar
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Nirma University |
| 101. Jagad Bhavik Kiranbhai
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Nirma University | 112. Shah Vatsal Shaileshkumar
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| 103. Khamar Kaushal Pradyumanbhai
Student
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Nirma University | 113. Sharmistha Sondh
Student
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| 104. Kyada Aniruddh Ramjibhai
Student
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Nirma University | 114. Suhagiya Prakash Nanubhai
Student
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| 105. Patel Dhaval Bharatbhai
Student
Institute of Technology
Nirma University | 115. Lunagaria Hardik Arjunbhai
Student
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| 116. Bhatt Ravi Janmejy
Student
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Nirma University | 127. Ranteshwar Singh
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| 117. Darji Pradipkumar Sureshbhai
Student
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| 118. Joshi Ankitkumar Ashvinbhai
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Nirma University | 129. Patel Jignesh Girishbhai
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| 120. Shah Pratik Ajitkumar
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Nirma University | 130. Patel Ripalkumar Chhotubhai
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| 121. Shri Vikas Sharma
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| 122. Suthar Jigar Dhirajkumar
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Nirma University | 132. Randhawa Kawaljit Singh M
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| 123. Vyas Pratik Rajesh
Student
Institute of Technology
Nirma University | 133. B. D. Sharma
Professor
Institute of Technology
Nirma University |
| 124. Khastriya Devang Jitendrabhai
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Nirma University | 134. B.A. Shah
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| 125. Panchal Saurin Bharatbhai
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Nirma University | 135. Tausif M. Shaikh
SPB Patel Engineering College
Mehsana |
| 126. Patel Maharshi Dilipkumar
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TRACK: Power Electronics,
Machines & Power Systems
(PEMPS)

2. Pravin Sharad Pujari
Bharati Vidhyapeeth
Pune
3. Manish G. Prajapati
S.P.C.E., Visnagar
4. Ritesh M. Shah
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Ahmedabad
5. Ankit V. Gajjar
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6. Brijesh M. Mistry
L. D. College of Engg.
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7. Chaudhary Viral S.
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8. Ankit Patel
Faculty of Technology and Engg. M.S.U.,
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9. Raj Patel
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10. Mitesh N. Priyadarshi
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11. Nirav D. Patel
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12. Jignesh Pandya
C.U.Shah Polytechnic
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13. P. Srikanth
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14. S. P. Gawande
G.H. Raison College of Engg.
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15. Mitesh N. Priyadarshi
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16. Maulik J. Shah
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18. Bindu U. Kansara
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19. Alpa Gopiyani
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20. Bhavesh Raval
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21. Vaghela Hitendra Babusinh
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22. Joshi Ashish Dhirubhai
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23. Jilledi Sunil Kumar
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24. Panchal Rajesh D.
L. D. College of Engg., Ahmedabad
25. S. S. Kanojia
Institute of Technology,
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Ahmedabad
26. A. N. Sarwade
Dr. Babasaheb Ambedkar Technological
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| 28. Dipesh M .Patel
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Varnama,Vadodara | 40. Patel Vatsalkumar Jashbhai
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| 29. Anshu Khemani
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| 30. Neel Shah
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| 31. Chandani Parmarl
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| 32. B S Ramachandar
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| 33. Desai Ishan Mukeshchandra
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| 35. Dholakiya Vihang Mukulchandra
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| 36. Mahavadia Narendra Chaitanya
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| 37. Parmar Devendrasinh Pravinsinh
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| 38. Patel Hitesh Dayalbhai
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| 50. | J Sai Charan
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| 52. | Joshi Bhakti Rasikbhai
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Nirma University | 62. | Dave Foram Shaileshbhai
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| 53. | Kania Jignesh Jayeshbhai
Student
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Nirma University | 63. | Gupta Garima Vijaykumar
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| 54. | Kapadia Nishit Dinesh
Student
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| 55. | Parikh Mihir Jagdishbhai
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Nirma University |
| 56. | Raghupatrani Sindhura
Student
Institute of Technology
Nirma University | 66. | Ahir Jigneshabahen Balubhai
Student
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Nirma University |
| 57. | Ram Ratan Tiwari
Student
Institute of Technology
Nirma University | 67. | Baing Avdhut Dilipsingh
Student
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Nirma University |
| 58. | Raval Payal Premal
Student
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Nirma University | 69. | Devdhar Vishal Dineshbhai
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| 59. | Shah Hirak Kaushikbhai
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73. Niti Vinodray Vachhani
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74. Patel Jigneshkumar Kanubhai
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76. Saurabh Purkayastha
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78. Shah Mihir Chandrakant Surekha
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79. Dattesh Krunalsinh Himmatsinh
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80. Soni Ruchit Rajeshbhai
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81. Patel Hirenkumar Dhirubhai
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82. Siddharsingh K. Chauhan
Student
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83. Naishadh Parekh
Product Manager
Inductotherm

84. Damanjeet Kaur
Punjab University
Chandigarh

85. Rashmi Sharma
Indus Institute of Technology
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86. Abhijit Dutta
SVSS College of Engg. and Research
Nagpur

TRACK: Signal Processing and
Communication

1. Tanish Zaveri
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Nirma University, Ahmedabad

2. Alaka Barik
IGIT SARANG

3. Asutosh Kar
NIT, Hamirpur

4. Manisha Upadhyay
Institute of Technology
Nirma University

5. Mayank A. Ardesana
G H Patel College of Engg and Technology
V V Nagar

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| 6. Shilpa Kharche
Terna Engineering College
Nerul | 21. Khatsuria Vishal Madhusudan
Student
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Nirma University |
| 7. Dilip Patel
LDRP-ITR | 22. Parmar Archanaben Natvarsinh
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| 8. Raghunadh K Bhattar
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| 9. Sudeep Kumar Jain
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| 10. Kaminee U.Gaikwad
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Pune | 25. Mehta Vyoma Jagatkumar
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| 11. Ashwini S. Sawant | 26. Patel Mihirkumar Mahendrabhai
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Nirma University |
| 12. B.T.P. Madhav
K.L. University | 27. Makwana Ravi Harsukhlal
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Nirma University |
| 13. Jay M. Joshi SVMIT, Bharuch | 28. Jasani Karan Rajendra
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| 14. Chinmaya Mahapatra
Deal, Defence Research Development
Organisation | 29. Naik Dipaliben Dipakkumar
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| 15. Ajaykrishnan
St.Joseph's College of Engineering | 30. Chelvam Pamela Rustin Arumaichelvam
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| 16. N. P. Jawarkar
Babasaheb Naik College of Engineering | |
| 18. Bhimani Jigneykumar Kunverjibhai
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Nirma University | |
| 19. Dhamecha Hardikkumar Mansukhlal
Student
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Nirma University | |
| 20. Dobariya Nidhiben Keshavlal
Student
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| 31. Patel Dhara Jayantilal
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| 32. Mehta Tusharkumar
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Nirma University | 43. Parth B. Sharma
Student
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| 33. Raghav Sharma
Student
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Nirma University | 44. Patel Urmilaben Chandulal
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| 35. Chakravarti Dilip Dhanjibhai
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| 36. Christian Samip S.
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Nirma University | 46. Sameer Hasanbhai Mansuri
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Nirma University |
| 37. Dharsandia Tanvi D.
Student
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| 38. Dholakiya Hitesh
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| 39. Fichadiya Vishal Vinodbhai
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Nirma University | 49. Shah Jay Satishbhai
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| 40. Jatin M. Chakravarti
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| 41. Karuna A. Mahajan
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**TRACK: VLSI Design & Technology
(VDT)**

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5. Tejas V. Shah
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7. Vijay G Savani
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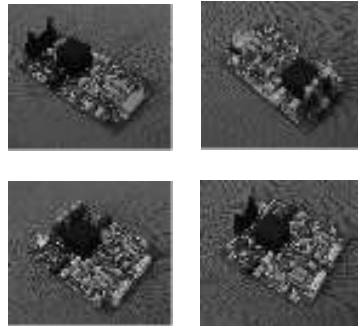


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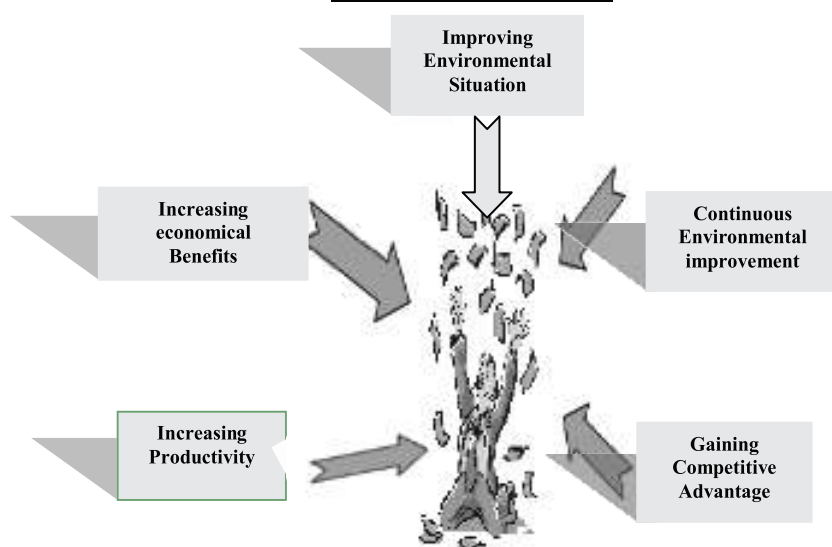
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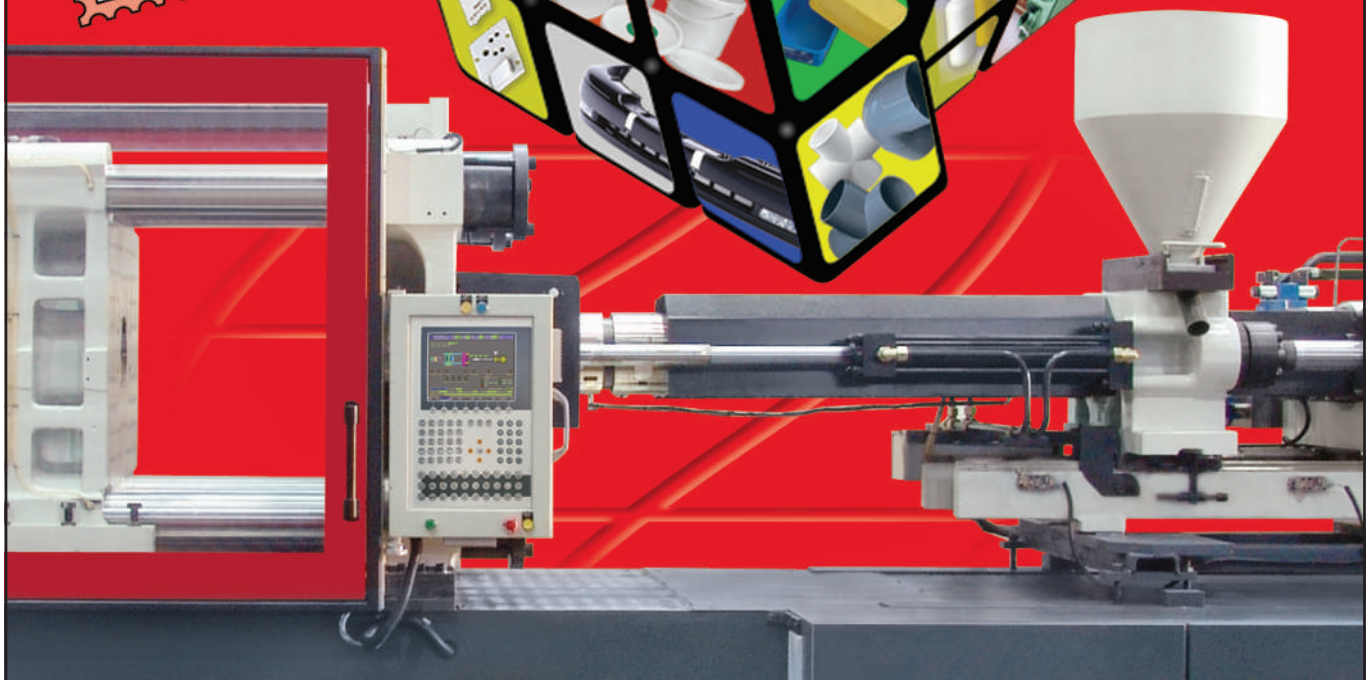
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The main objective of **GESCSL** is to abate pollution and conserve energy and environmental resources to achieve sustainable growth and development in all areas. To achieve this objective approximately a sum of Rs. 100 crore has been spent to set up the following Environmental Infrastructure Facilities and Management Systems...

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- Commissioned in May 1998.
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- Treatment Technology: Conventional Biological Process supplemented by Electro-oxidation.
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- Total capacity created in terms of quantity of solid waste containment: 1075000 MT.
- Detailed engineering design, construction and operation are carried out as per the guidelines of CPCB. SLF 1 & 2 filled and capped. Green vegetal layer developed with landscaping. SLF 3 is in operation SLFs 1 & 2 filled and capped.
- Investment: Rs. 14. 50 crore.



Organizing joint programmes with academic institutions and industries focusing on energy efficiency, cleaner production practices and environmental awareness.

Achievements

- CETP and Secured Landfill Facility are certified for ISO 9001:2008, 14001:2004 and ISO 18001:2007 for the provisions of services for management of effluent and solid waste respectively.
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Right from the beginning we have been very active in all activities relevant to the control of environmental pollution and protection of environmental quality. We are constantly devoting our efforts and resources to maintain clean environment and sustainable growth. We are adopting new and advanced technologies for achieving highest standards of performance in our EMS. We are equally active in creating environmental awareness in industry, public and workers. We are striving to continually improve our capability in waste minimization, energy efficiency, cleaner production, eco-industrial development, treatment and safe disposal of waste.

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- The Company is constructing 'Paryavaran Mandir' and Auditorium having 250 seats for imparting education on Environment with latest Laboratory and Waste Display Museum to promote Industrial Symbiosis at cost of Rs. 5.00 crore, at its TSD.

Naroda Enviro Projects Ltd., from India, winner of the B.I.D. Quality Award in Geneva



Source : IDEAS B2B, GENEVA Date : MARCH 2010

Naroda Enviro Projects Ltd., from India, took home the Century International Quality ERA Award at the B.I.D. Convention in Geneva for Continuous excellence and commitment to quality

Shailesh Patwari, Chairman of Naroda Enviro Projects Ltd. received the Quality Award as distinguished leader in India at the 12th Century International Quality ERA Convention in Geneva, city which opened its doors to a gathering of those companies, and their leaders, that are most dedicated to quality and innovation, two key requisites for the distinguished honor of receiving the Business Initiative Directions CQE ERA Award. From 53 different countries, only the best assembled in the international relations center of Geneva to receive what many have come to call the *"Oscar of the Business World."*



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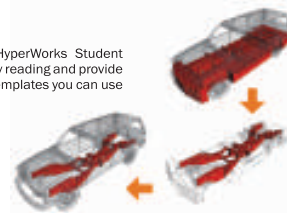
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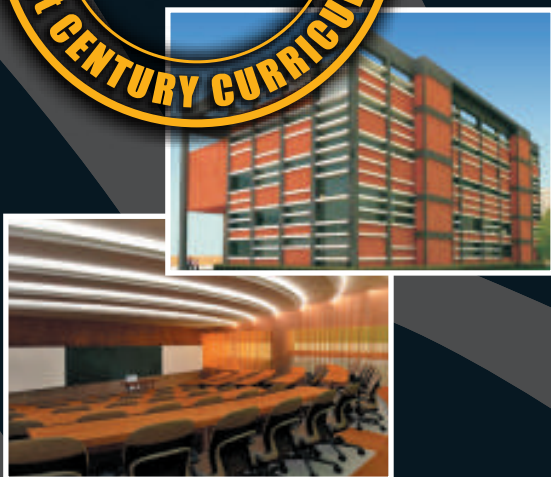
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