



PARUL GROUP OF ENGINEERING INSTITUTES

Approved by AICTE, New Delhi and Affiliated to GTU, Ahmedabad
Accredited by NBA, AICTE and NAAC, UGC

To,
The Principal / HR Manager.

**Subject : National Conference on “Emerging Vistas of Technology in 21st Century”
on 10th - 11th May 2013, organized by Parul Group of Engineering Institutes.**

Respected Sir / Madam,

Parul Group of Engineering Institutes is pleased to announce the National Conference on “*Emerging Vistas of Technology in 21st Century*” in collaboration with **Thermax, Elitecore Technologies, Linde Engineering and the Institute of Electronics & Telecommunication Engineers(IETE)** with **Excel India Book publisher as publication partners** on 10th and 11th May, 2013.

Since last 4 years, Parul Institute of Engineering & Technology, Vadodara, is organizing a highly successful National Conference on Emerging Vistas of Technology in 21st Century, popularly known as “NCEVT”. First NCEVT was organized by the institute in the month of September – 2009. In this conference around 190 Research Papers were published by Research Scholars from various colleges of India. Second NCEVT was organized in the month of December – 2010 wherein around 210 delegates had participated and more than 225 Research Papers were published. **Third NCEVT was organized at Ahmedabad in the month of April – 2012, in association with Gujarat Technological University and ISTE at Ahmedabad.** Around 355 delegates had participated and presented more than 250 Research Papers in all. These papers were reviewed by well known Professors from NITs, IITs and other Institutes of repute. **Selected papers were published in a special issue of IJTE (ISSN : 0971-3034) in a print as well as online version.** This is the fourth consecutive conference of NCEVT Series organized in association with leading National and International industries.

Parul Group of Engineering Institutes is glad to introduce a National Conference based on various themes in five branches of engineering namely **Futuristic Trends in Mechanical Engineering, Futuristic Trends in Electrical, Cutting Edge Technologies and Trends in IT, Smart Eco-Friendly Structures, Futuristic Trends in Embedded, Communication and Processing Systems .**

In this conference, plenary lectures will be delivered by researchers and academicians of repute. This National Conference will also provide a platform for young researchers to present their contributions in the Emerging Vistas of Technology.

Parul Group of Engineering Institutes urges all the faculty members and post-graduate students to actively participate in the conference. We invite all the researchers in this field to present their work at the conference. Jointly we can make this Conference a first rate platform for mutually beneficial inter-action.

The selected papers will be published in the proceedings of the Conference with a ISBN number & will also be published on conference website.

Looking forward to your active participation,

Dr. V. P. Parekh
Principal
Parul Institute of Engineering & Technology
Vadodara

Dr. T. L. Popat
Principal
Parul Institute of Technology
Vadodara

Enclosure : Brochures of the National Conference

NATIONAL CONFERENCE ON
"EMERGING VISTAS OF TECHNOLOGY IN 21st CENTURY"



FUTURISTIC TRENDS IN
MECHANICAL
ENGINEERING

[NCEVT '13]

10th and 11th May 2013

- In Collaboration with •



Thermax

Sustainable Solutions Energy & Environment

- Publication Partner •



- Organized by •

Mechanical Engineering Department
Parul Institute of Engineering & Technology
and
Parul Institute of Technology

■ About the Conference ■

Since last 4 years, Parul Institute of Engineering & Technology, Vadodara, is organizing a highly successful National Conference on Emerging Vistas of Technology in 21st Century, popularly known as "NCEVT". First NCEVT was organized by the institute in the month of September – 2009. In this conference around 190 Research Papers were published by Research Scholars from various colleges of India. Second NCEVT was organized in the month of December – 2010 wherein around 210 delegates had participated and more than 225 Research Papers were published. Third NCEVT was organized at Ahmedabad in the month of April – 2012, in association with Gujarat Technological University and ISTE at Ahmedabad. Around 355 delegates had participated and presented more than 250 Research Papers in all. These papers were reviewed by well known Professors from NITs, IITs and other Institutes of repute. Selected papers were published in a special issue of IJTE in a print as well as online. This is the fourth consecutive conference of NCEVT Series organized in association with leading National and International industries.

■ About the Institutes ■

Parul Institute of Engineering & Technology (PIET) was established in 2003, whereas Parul Institute of Technology (PIT) was established in 2010. Both the Institutes are affiliated to Gujarat Technological University (GTU) and approved by AICTE. PIET has the credit of being the only Engineering Institute of Gujarat having valid NBA, AICTE & NAAC, UGC accreditations. TCS and L&T have also accredited PIET. PIET has also been bestowed with an honor of being one of the 25 innovation sankuls of GTU. The Engineering Faculty of the campus has won the best ISTE Chapter Awards at faculty and student level on numerous occasions. Both the Institutes offer courses at Under Graduate & Post Graduate levels in the disciplines of Electrical Engineering, Electronics & Communication Engineering, Computer Science & Engineering, Information Technology, Mechanical Engineering, Civil Engineering and Automobile Engineering.

■ About Thermax Ltd. ■

Thermax Limited is an INR 5,375 crore (USD 1.05 Billion) company, providing a range of Engineering solutions to the Energy and Environment sectors. Thermax is headquartered in Pune, India and operates globally through 19 International offices, 12 Sales & Service offices and 9 manufacturing facilities - five of which are in India and four overseas. Their presence spans 75 countries across Asia Pacific, Africa and the Middle East, CIS countries, Europe, USA and South America.

■ About the Departments ■

The Mechanical Engineering departments of PIET & PIT were founded in the year 2003 and 2010 respectively. The department offers Under Graduate program in Mechanical and Post Graduate program in Thermal Engineering. The faculties are encouraged to take independent initiative with collective responsibility in all the relevant academic and R & D dimensions like curriculum developments, research developments, organizing conference and symposia. During the last Four years in PIET, the department conducted two Short Term Training Program and three National conferences/ seminars.

■ Themes of the Conference ■

■ (A) Design and Manufacturing ■

- Life Cycle Design of Products
- Applications of FEA in Design
- Concurrent Engineering
- PDM, PLM, Collaborative Product Design & Commerce
- Condition Monitoring and Vibration Analysis
- Reliability Engineering
- Applications of AI Techniques in Design and Manufacturing
- Modeling & Optimization of Systems and Processes

- Automation and Robotics
- Non-Traditional Manufacturing Processes
- Advanced Metal Forming, Welding & Casting Techniques
- Agile & Lean Manufacturing
- CAD/CAM/FMS/CIMS
- Reverse Engineering, RP/RT
- Micro-Machining, Nano-Technology & Smart Materials

■ (B) Thermal Engineering ■

- Computational Heat and Mass Transfer
- Internal Combustion Engines
- Alternate Fuels
- Advanced Refrigeration and Air Conditioning
- Turbo Machines and Fluid Power Engineering
- Renewable and Nonconventional Energy Sources
- Energy Systems
- Cryogenics
- Computational Methods in Thermal Engineering
- Optimization Methods, CFD
- Case Studies

■ How to submit a paper? ■

Full length paper must be submitted before due date in MS Word format as available on our web sites: <http://www.parul.ac.in> and www.ncevt.org and must be submitted to Coordinators by email only at mechncevt@parul.ac.in. Your paper will be acknowledged once received. It will be sent for review and after getting recommendations from reviewers, first author will be intimated about modification /acceptance, etc. and accordingly, final paper with conference fees should be submitted. Hard copy will not be accepted in any case.

■ Advisors ■

- Dr. R. N. Ghosh (IIT, Kharagpur)
- Dr. H. K. Raval (SVNIT, Surat)
- Dr. S. A. Channiwala (SVNIT, Surat)
- Dr. A. A. Shaikh (SVNIT, Surat)
- Dr. Jyotirmay Banerjee (SVNIT, Surat)
- Dr. P. Prabhakaran (MSU, Vadodara)
- Dr. L. N. Patel (Ganapat University, Mehsana)
- Dr. Ajit Shukla (PDPU, Gandhinagar)
- Dr. Anish Gandhi (CKPCET, Surat)
- Dr. N. M. Bhatt (GIT, Gandhinagar)
- Dr. P. K. Brahmbhatt (GEC, Modasa)
- Dr. P. P. Rathod (GEC, Bhuj)

■ National Technical Review Committee ■

- Dr. H. K. Raval (SVNIT, Surat)
- Dr. D. I. Lalwani (SVNIT, Surat)
- Dr. D. S. Sharma (Nirma University, A'bad)
- Dr. P. V. Ramana (SVIT, Vasad)
- Dr. Piyush P. Gohil (CIT, Changa)
- Dr. P. P. Rathod (GEC, Bhuj)
- Prof. A. R. Patel (LDRP, Gandhinagr)
- Dr. J. M. Prajapati (MSU, Vadodara)
- Dr. H. P. Patolia (BVM, V V Nagar)
- Prof. P. S. Puranik (Atmiya Institute, Rajkot)
- Dr. Ragesh Kapadia (SVMIT, Bharuch)
- Dr. J. P. Hadia (BVM, V V Nagar)

■ Key Dates ■

- Submission of full length paper.....18th March, 2013
- Notification of acceptance..... 08th April, 2013
- Submission of Final Paper..... 18th April, 2013
- Last date of registration form submission at Institute..... 25th April, 2013
- Last date of registration form submission with late fees
of Rs. 250/- for all categories 02nd May, 2013

■ Eminent Speakers ■

- Dr. Atul Sharma ●
(IIT, Mumbai)
- Dr. A. A. Shaikh ●
(SVNIT, Surat)
- Dr. Subroto Mukherji ●
(Chairman IPR, Gandhinagar)
- Prof. A .R. Patel ●
(LDRP, Gandhinagar)

■ Conference Fees ■

- Research Scholars/PG Students Rs. 750/-
(for attending only)
- Research Scholars/PG Students Rs. 1000/-
(for publication)
- Academicians Rs. 1500/-
- Others Rs. 2000/-

■ Cash Prizes ■

Best Research Paper:-

- First position Rs. 3000/-
- Second Position Rs. 2000/-
- Third Position Rs. 1000/-
- Best Presentation During the conference Rs. 2000/-

■ Important Instructions ■

Conference fees include the cost of conference material, tea/coffee, breakfast and lunch for conference days.

Conference fees will be accepted only through DD in favor of "NCEVT-PARUL" payable at Central Bank of India, Vadodara

All the accepted papers will be published in a Conference proceedings with ISBN number. The conference proceeding will also be available on the website of the Conference www.ncevt.org

■ Chief Patron ■

Dr. Jayeshbhai Patel
Chairman,
Parul Arogya Seva Mandal Trust

■ Patron ■

Dr. Devanshu Patel
Managing Trustee,
Parul Arogya Seva Mandal Trust

■ Conveners ■

Dr. Vilin Parekh
Principal, Parul Institute of Engineering and Technology
Dr. T.L. Papat
Principal, Parul Institute of Technology

■ Co-conveners ■

Prof. Sohail M. Siddiqi
Prof. Snehal V. Trivedi

■ Coordinators ■

Prof. Dipesh Patel
(M) : 09427353620
Email : dipnaina@gmail.com

Prof. Priyank Dave
(M) : 09558016616
Email : priyank.dv@gmail.com

■ Organizing Committee ■

Prof. Imran Molvi
Prof. Nirav Gandhi
Prof. Nityam Oza

Prof. Ravindra Gupta
Prof. Chintan Patel
Prof. Ashish Prajapati

■ Whom & Where to send the paper ? ■

All correspondence must be addressed to the Coordinators only
on the following address and Email ID

Mechanical Engineering Department,
Parul Institute of Engineering and Technology

Po:Limda ,Ta:Waghodia,

Dist: Vadodara - 391 760, Gujarat State,

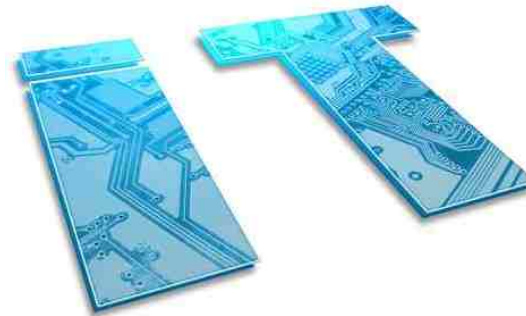
Phone:- 02668-260341 , Fax:- 02668-260201

Email ID:- mechncevt@parul.ac.in

Website:- www.parul.ac.in and www.ncevt.org

NATIONAL CONFERENCE ON "EMERGING VISTAS OF TECHNOLOGY IN 21ST CENTURY"

Cutting Edge Technologies and Trends in



(NCEVT'13)

10th and 11th May 2013

- In Collaboration with •
 - Publication Partner •
- Elitecore Technologies
Ahmedabad



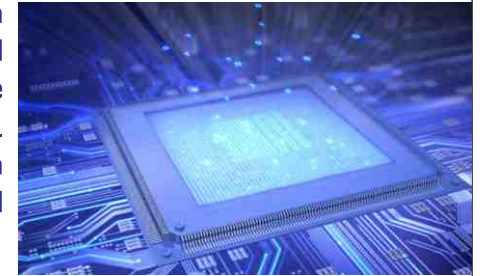
- Organized by •

Information Technology Department
Computer Science & Engineering Department
& MCA Department
Parul Institute of Engineering & Technology
and
Parul Institute of Technology



■ About the Conference ■

Since last 4 years, Parul Institute of Engineering & Technology, Vadodara, is organizing a highly successful National Conference on Emerging Vistas of Technology in 21st Century, popularly known as “NCEVT”. First NCEVT was organized by the institute in the month of September – 2009. In this conference around 190 Research Papers were published by Research Scholars from various colleges of India. Second NCEVT was organized in the month of December – 2010 wherein around 210 delegates had participated and more than 225 Research Papers were published. Third NCEVT was organized at Ahmedabad in the month of April – 2012, in association with Gujarat Technological University and ISTE at Ahmedabad. Around 355 delegates had participated and presented more than 250 Research Papers in all. These papers were reviewed by well known Professors from NITs, IITs and other Institutes of repute. Selected papers were published in a special issue of IJTE in a print as well as online. This is the fourth consecutive conference of NCEVT Series organized in association with leading National and International industries.



■ About the Institutes ■

Parul Institute of Engineering & Technology (PIET) was established in 2003, whereas Parul Institute of Technology (PIT) was established in 2010. Both the Institutes are affiliated to Gujarat Technological University (GTU) and approved by AICTE. PIET has the credit of being the only Engineering Institute of Gujarat having valid NBA, AICTE & NAAC, UGC accreditations. TCS and L&T have also accredited PIET. PIET has also been bestowed with an honor of being one of the 25 innovation sankuls of GTU. The Engineering Faculty of the campus has won the best ISTE Chapter Awards at faculty and student level on numerous occasions. Both the Institutes offer courses at Under Graduate & Post Graduate levels in the disciplines of Electrical Engineering, Electronics & Communication Engineering, Computer Science & Engineering, Information Technology, Mechanical Engineering, Civil Engineering and Automobile Engineering.

■ About the Departments ■

The CSE, IT and MCA Departments offer Under Graduate programs in Computer Science, Information Technology, Computer Application and Post Graduate Programs in Computer Science, Information Technology, Computer Application and Computer Engineering. The faculties are encouraged to take independent initiative with collective responsibility in all the relevant academic and R&D dimensions like Curriculum Development, Research Supervision, organizing Conferences, Symposia etc.

■ About EliteCore Technologies Pvt. Ltd. ■



ELITECORE TECHNOLOGIES PVT. LTD founded in 1999, is an Information Technology Products and Software Solutions Company headquartered in India. Envisioned as Platform for Innovators, it has grown to become a dynamic technology company in IP-based technologies. Leveraging its global sales and distribution channel spanning 125+ countries, it provides business critical solutions for Telecommunications, Networks Security and Access Gateway. Elitecore Technologies is a leading provider of OSS/BSS, Internet Security and Access Gateway Solutions. Elitecore's worldwide presence today spans 125 countries, and is showing remarkable progress every year.

■ Theme & topics of the Conference ■



“Cutting edge technologies and trends in IT”

- Cloud Computing
- Information Security
- Multilingual Speech Recognition
- Knowledge Management
- Semantic Web
- Future Storage Technology
- Search Engine Optimization
- Speech Recognition
- Image Processing and Computer Vision
- Bio-Informatics
- Advance Computing
- Machine Learning, AI & Computer Graphics
- Networking & Security
- Data Mining
- Software Engineering
- Data Compression
- Distributed Computing

■ National Technical Review Committee ■

- Dr. Prashant Doliya
Assistant Professor, Dept. of Computer Science,
Bhavnagar University, Bhavnagar.
- Dr. Nilesh K. Modi
Professor & Head, S V Institute of Computer Studies, Kadi.
- Prof. U. P. Rao
Assistant Professor, SVNIT, Surat.
- Dr. M. A. Zaveri
Professor, SVNIT, Surat.
- Prof. Priyanka Sharma
Assoc. Prof. Computer Science & Engineering Department,
Nirma University, Ahmedabad.
- Dr. V. D. Pathak
Director, Academy of Creativity and Excellence, Baroda.



■ Speakers at the Conference ■

- Dr. Aruna Tiwari
Assistant Professor, IIT Indore
- Dr. D. C. Jinwala
Professor & Head, SVNIT, Surat
- Dr. Dhiren Patel
Professor, SVNIT, Surat
- Dr. Manik Lal Das
Associate Professor, DAIICT, Gandhinagar.
- Dr. Apurva Shah
Associate Professor, GCET, V. V. Nagar
- Prof. S. R. Dwivedi
Professor & Head, Dept., of Computer Science,
Bhavnagar University, Bhavnagar
- Dr. N M Patel,
Associate Professor, BVM, V. V. Nagar
- Dr. Sadhna Mishra
LNCT- Bhopal
- Mr. Ajay Nawani
AVP
Cyberoam Technologies Private Limited
- Dr. P. V. Virparia
Professor & Head, GHP V. V. Nagar.
- Mr. Harish Chib
Sr. VP Business Development, Cyberoam at Elitecore Technologies

■ How to submit a paper? ■

Full length paper must be submitted before due date in MS Word format as available on our web sites: <http://www.parul.ac.in> and www.ncevt.org and must be submitted to Coordinators by email only [ctitncevt@parul.ac.in]. Your paper will be acknowledged once received. It will be sent for review and after getting recommendations from reviewers first author will be intimated about acceptance/modification, etc. and final paper with conference fees should be submitted. Hard copy will not be accepted in any case.

■ Key Dates ■

- Submission of full length paper
18th March 2013
- Notification of acceptance
08th April 2013
- Submission of Final Paper
18th April 2013
- Last date of registration form
submission at Institute
25th April 2013
- Submission with late fees of
Rs.250/- for all categories
2nd May 2013



Conference Fees

- Research Scholars/PG Students (for attending only) Rs. 750/-
- Research Scholars/PG Students (for Publication) Rs. 1000/-
- Academicians Rs. 1500/-
- Others Rs. 2000/-

Cash Prizes

- Best Research Paper:-**
- First position Rs. 3000/-
 - Second Position Rs. 2000/-
 - Third Position Rs. 1000/-
 - Best Presentation During the conference Rs. 2000 /-

Important Instructions

Conference fees include the cost of conference material, tea/coffee, breakfast and lunch for conference days.

For sending DD on 25th April to 2nd May 2013, email attached with scanned copy of DD will be considered.

Conference fees will be accepted only through DD in favor of "NCEVT-PARUL" payable at Central Bank of India, Vadodara

All the accepted papers will be published in a Conference proceedings with ISBN number. The conference proceeding will also be available on the website of the Conference www.ncevt.org

Chief Patron

Dr. Jayeshbhai Patel
Chairman,
Parul Arogya Seva Mandal Trust

Conveners

Dr. Vilin Parekh
Principal, Parul Institute of Engineering and Technology

Dr. T.L. Popat
Principal, Parul Institute of Technology



Patron

Dr. Devanshu Patel
Managing Trustee,
Parul Arogya Seva Mandal Trust

Co-conveners

Prof G B Jethava HOD, IT Dept. (PIET)	Prof Varang Acharya HOD, MCA Dept. (PIET)
Prof Sumitra Menaria HOD, CSE Dept (PIET)	Prof. Dinesh Vaghela HOD, CSE Dept. (PIT)

Co-ordinators

Prof. Daxesh Panchal
(9727703671)
Prof. Yask Patel
(8000426542)
Prof. Sweta Jethava
(9925045656)
Prof. Shailendra Mishra
(9601492380)

Organizing Committee

Mr. Pritesh Upadhyay (MCA)
Mr. Jwalant Baria (CSE)
Mrs. Purnima Singh (CSE)
Mr. Rohit Shreevastava (CSE)
Mr. Dhirajkumar Singh (IT)

Whom & Where to send the paper?

All correspondence must be addressed to **Coordinators** only on following address and Email ID:

**Information Technology Department,
Parul Institute of Engineering and Technology**

Po:Limda ,Ta:-Waghodia,Dist:-Vadodara,
Gujarat State,

Phone:-02668-260338/331, Fax:-02668-260201,
Email ID: ctitncevt@parul.ac.in, Website : www.parul.ac.in
and www.ncevt.org



NATIONAL CONFERENCE ON
"EMERGING VISTAS OF TECHNOLOGY
IN 21ST CENTURY"

10th & 11th
May 2013

GreenCITY

"Smart Eco-Friendly Structures"

In Collaboration with

Publication Partner



Organized by

Civil Engineering Department
Parul Institute of Engineering & Technology and
Parul Institute of Technology

■ About the Conference ■

Since last 4 years, Parul Institute of Engineering & Technology, Vadodara, is organizing a highly successful National Conference on Emerging Vistas of Technology in 21st Century, popularly known as “NCEVT”. First NCEVT was organized by the institute in the month of September – 2009. In this conference around 190 Research Papers were published by Research Scholars from various colleges of India. Second NCEVT was organized in the month of December – 2010 wherein around 210 delegates had participated and more than 225 Research Papers were published. Third NCEVT was organized at Ahmedabad in the month of April – 2012, in association with Gujarat Technological University and ISTE at Ahmedabad. Around 355 delegates had participated and presented more than 250 Research Papers in all. These papers were reviewed by well known Professors from NITs, IITs and other Institutes of repute. Selected papers were published in a special issue of IJTE in a print as well as online. This is the fourth consecutive conference of NCEVT Series organized in association with leading National and International industries.

■ About the Institutes ■

Parul Institute of Engineering & Technology (PIET) was established in 2003, whereas Parul Institute of Technology (PIT) was established in 2010. Both the Institutes are affiliated to Gujarat Technological University (GTU) and approved by AICTE. PIET has the credit of being the only Engineering Institute of Gujarat having valid NBA, AICTE & NAAC, UGC accreditations. TCS and L&T have also accredited PIET. PIET has also been bestowed with an honor of being one of the 25 innovation sankuls of GTU. The Engineering Faculty of the campus has won the best ISTE Chapter Awards at faculty and student level on numerous occasions. Both the Institutes offer courses at Under Graduate & Post Graduate levels in the disciplines of Electrical Engineering, Electronics & Communication Engineering, Computer Science & Engineering, Information Technology, Mechanical Engineering, Civil Engineering and Automobile Engineering.

■ About the Departments ■

Civil Engineering Departments of Parul Institute of Engineering and Technology and Parul Institute of Technology have highly qualified staff. The faculties of Civil Engineering Departments have published more than 150 papers at International level and more than 350 papers at National level. During last 5 years the Departments have organized STTPs, National Conferences, Workshops and supported Gujarat Technological University in organizing National Conferences also. The faculties are encouraged to take independent initiative with collective responsibility in all the relevant academic and R&D dimensions like – Curriculum Development, Research Supervision, organizing Conferences, STTP, Symposia etc.

■ About Linde Engineering ■

Linde Engineering, a division of the Linde Group, is a leading world-wide technology partner for Plant Engineering and Construction. Linde's global success is built on Linde's extensive Process Engineering expertise in Planning, Project Development and Construction of Turnkey Industrial Plants. With more than 1,000 Process Engineering Patents and 4,000 completed Plant Projects, Linde ranks among the leading International Plant Contractors. Linde Engineering India Pvt. Ltd. (LEI) was established in 1987 with its Indian operation head office in the banyan city of Vadodara. LEI has grown over the years to develop a talent pool of over 850 employees. Being a 100% subsidiary of Linde Engineering, LEI has integral access to Linde Engineering's Technology and project execution know-how.

■ Advisors ■

- Dr. S.V. Barai (IIT, Kharagpur)
Dr. Amit Prashant (IIT, Gandhinagar)
Dr. S. K. Mittal (MANIT, Bhopal)
Dr. T. L. Eldho (IIT, Mumbai)
Dr. Deepak Kashyap (IIT, Roorkee)
Dr. Venu Chandra (IIT, Chennai)
Dr. Chandresh (SVNIT, Surat)

■ National Technical Review Committee ■

- Dr. A.K. Rastogi, IIT, Mumbai
- Dr. Deepak Kashyap, IIT, Roorkey
- Dr. A.K. Vyas, MANIT, Jaipur
- Prof. J.M. Chandra Kishen, IISc, Bangalore
- Dr. P.C. Pandey, IISc, Bangalore
- Dr. M.I. Kansal, IIT, Roorkee
- Dr. Mohammed Jawed, IIT, Guwahati
- Dr. Rajesh Gupta, VNIT, Nagpur
- Dr. D. Nagesh Kumar, IISc, Bangalore
- Dr. Chandresh Solanki, SVNIT, Surat
- Dr. Amit Prashant, IIT, Gandhinagar
- Dr. Krupesh A Chauhan, SVNIT, Surat
- Dr. S.K. Barai, IIT, Kharagpur
- Dr. N.C. Shah, SVNIT, Surat
- Dr. G.J. Joshi, SVNIT, Surat
- Dr. Ajanta Sachan, IIT, Gandhinagar
- Dr. T.L. Eldho, IIT, Bombay
- Dr. S.K. Mittal, MANIT, Bhopal
- Dr. A.V. Shroff, PIET, Vadodara
- Dr. R.A. Christian, SVNIT, Surat
- Shashikala A. P, NIT Calicut, Kerala

■ How to submit a paper? ■

Full length paper must be submitted before due date in MS Word format as available on our web sites: <http://www.parul.ac.in> and www.ncevt.org and must be submitted to Co-ordinators by email only (cvncevt@parul.ac.in). Your paper will be acknowledged once received. It will be sent for review and after getting recommendations from reviewers first author will be intimated about acceptance/modification, etc. and final paper with conference fees should be submitted. Hard copy will not be accepted in any case.

■ Themes of the Conference ■

Environmental Engineering

- Waste Dump and Engineered Landfill
- Construction and Environmental Issues- Challenges for Developing Countries
- Pollution Monitoring & Management
- Life Cycle Assessment and Cleaner Protection Techniques
- Environmental Hazards and Mitigation
- Applied Computer Vision for Civil and Environmental Engineering
- Solid & Hazardous Waste Management

Geotechnical Engineering

- Geotechnical reuse of Solid Waste
- Appropriate Ground improvement techniques for Waste
- Geotechnical Analysis and Design
- Ground Vibration
- Numerical Modeling in Geotechnics
- Offshore Structures

Structural Engineering

- Analysis of Semi-Rigid Connections
- Buckling and Stability
- Disaster Preparedness, Response and Recovery

- Dynamics and Earthquake Engineering
- Formfinding, Topology and Structural Morphology
- Fracture Mechanics
- Modeling of Concrete Durability

Transport Engineering

- Technologies of Geodesy and Cadastre
- Transportation Planning and System Optimization
- Voice and Image Recognition Applications
- Computer Controlled Site Instrumentation

Water Resources Engineering

- Water Resources Planning and Management
- Soft Computing Applications in Water
- Resources Engg. & Hydrology
- Surface & Ground Water Hydrology
- Urban Water Management
- Water, Storm Water and Waste water Management

■ Key Dates ■

- Submission of full Length Paper 18th March, 2013
- Notification of Acceptance 08th April, 2013
- Submission of Camera ready Paper 18th April, 2013
- Last date of registration form submission at Institute 25th April, 2013
- Submission with late fees of Rs. 250/- for all categories 2nd May, 2013

■ Speakers of the Conference ■

Dr. A. K. Rastogi

IIT, Mumbai

Dr. Amit Prashant

IIT, Gandhinagar

Dr. R.A. Christian

SVNIT, Surat

Dr. N.C. Shah

SVNIT, Surat

Shri Amit Agarwal

Head - Civil and Steel Structures (ENPCI), LINDE

Dr. Rajul Gajjar

Government Engg. College, Gandhinagar

■ Chief Patron ■

Dr. Jayeshbhai Patel

Chairman,

Parul Arogya Seva Mandal Trust

■ Important Instructions ■

Conference fees include the cost of conference material, tea/coffee, breakfast and lunch for conference days. For sending DD after 25th April to 2nd May 2013, email attached with scanned copy of DD will be considered. Conference fees will be accepted only through DD in favor of "NCEVT-PARUL" payable at Central Bank of India, Vadodara.

All the accepted papers will be published in a Conference proceedings with ISBN number. The conference proceeding will also be available on the website of the Conference www.ncevt.org

■ Patron ■

Dr. Devanshu Patel

Managing Trustee,

Parul Arogya Seva Mandal Trust

■ Conveners ■

Dr. Vilin Parekh

Principal, Parul Institute of Engineering and Technology

Dr. T.L. Popat

Principal, Parul Institute of Technology

■ Co - Ordinators ■

Prof Ruchi Shrivastava

M : 09909027481

Email :

ruchishri111@gmail.com

Prof Pooja Singh

M: 09429258094

Email:

pooja_singh_c@yahoo.co.in

■ Conference Fees ■

- Research Scholars/ PG Students / UG Students for Attending : Rs. 750/-
- Research Scholars/ PG Students / UG Students for Publication : Rs. 1000/-
- Academicians : Rs. 1500/-
- Others: Rs. 2000/-
- For each additional paper Rs. 250/- extra

■ Best Paper Awards ■

- Dr. Ajanta Sachan Award in Geotechnical Engineering
- Prof. D. Nagesh Kumar Award in Water Resources Engineering
- Dr. J. M. Chandra Kishen Award in Structural Engineering
- Dr. Sudhir Kumar Barai Award in Structural Engineering
- Dr. T. L. Eldho Award in Water and Environmental Engineering
- Dr. D. T. Shete Award in Water Resources Engineering & Management

■ Cash Prizes ■

Best Research Paper:-

- First position Rs. 3000/-
- Second Position Rs. 2000/-
- Third Position Rs. 1000/-
- Best Presentation during the conference Rs. 2000 /-

■ Co-Conveners ■

Prof. Suhasini Kulkarni

Head, Civil Engineering

Department, PIET

Prof Abhipsa R. Makwana

Head, Civil Engineering

Department, PIT

■ Organizing Committee ■

Prof. C.V. Kulkarni Prof. K.V. Patel
Prof S. M. Damodariya Prof. N. J. Raval
Prof D.A. Shah Prof. S. M. Engineer

■ Whom & Where to Send Paper ■

All correspondence must be addressed to Co-ordinators only
Civil Engineering Department
Parul Institute of Engineering and Technology
Po: Limda, Ta: Waghodia,
Dist: Vadodara - 391 760, Gujarat State,
Phone:- 02668-260339, Fax:- 02668-260201
Email ID:- cvncevt@parul.ac.in
Website:- www.parul.ac.in and www.ncevt.org



NATIONAL CONFERENCE ON
"EMERGING VISTAS OF TECHNOLOGY IN 21st CENTURY"



Futuristic Trends in Embedded, Communication and Processing Systems



10th and 11th May 2013
[NCEVT'13]



- In Association with •
- Publication Partner •

The Institute of Electronics &
Telecommunication Engineers (IETE)



- Organized by •

Electronics & Communication Engineering Department
Parul Institute of Engineering & Technology
&
Parul Institute of Technology

■ About the Conference ■

Since last 4 years, Parul Institute of Engineering & Technology, Vadodara, is organizing a highly successful National Conference on Emerging Vistas of Technology in 21st Century, popularly known as "NCEVT". First NCEVT was organized by the institute in the month of September – 2009. In this conference around 190 Research Papers were published by Research Scholars from various colleges of India. Second NCEVT was organized in the month of December – 2010 wherein around 210 delegates had participated and more than 225 Research Papers were published. Third NCEVT was organized at Ahmedabad in the month of April – 2012, in association with Gujarat Technological University and ISTE at Ahmedabad. Around 355 delegates had participated and presented more than 250 Research Papers in all. These papers were reviewed by well known Professors from NITs, IITs and other Institutes of repute. Selected papers were published in a special issue of IJTE in a print as well as online. This is the fourth consecutive conference of NCEVT Series organized in association with leading National and International industries.

■ About the Institutes ■

Parul Institute of Engineering & Technology (PIET) was established in 2003, whereas Parul Institute of Technology (PIT) was established in 2010. Both the Institutes are affiliated to Gujarat Technological University (GTU) and approved by AICTE. PIET has the credit of being the only Engineering Institute of Gujarat having valid NBA, AICTE & NAAC, UGC accreditations. TCS and L&T have also accredited PIET. PIET has also been bestowed with an honor of being one of the 25 innovation sankuls of GTU. The Engineering Faculty of the campus has won the best ISTE Chapter Awards at faculty and student level on numerous occasions. Both the Institutes offer courses at Under Graduate & Post Graduate levels in the disciplines of Electrical Engineering, Electronics & Communication Engineering, Computer Science & Engineering, Information Technology, Mechanical Engineering, Civil Engineering and Automobile Engineering.

■ About the Departments ■

The departments of Electronics and Communication Engineering (E&C) were founded in the year 2003 and 2010 respectively at PIET and PIT with highly equipped Laboratories and qualified staff. The Departments offer Under Graduate program in Electronics and Communication Engineering and Post Graduate Program in Digital Communication and Electronics & Communication Engineering. The faculties are encouraged to take independent initiative with collective responsibility in all the relevant academic and R&D dimensions like – Curriculum Development, Research Supervision, organizing Conferences, Symposia etc.

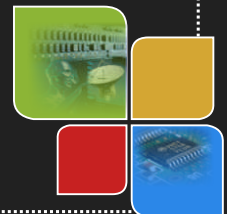
■ Prime Theme of the Conference ■

Futuristic Trends in Embedded, Communication and Processing Systems

■ Topics of the Conference ■

Original contributions are solicited from Scientists, Engineers, Academicians and Research scholars in the topics mentioned below (Not limited to)

- Telecommunication Technologies
- Systems & Standards for Wireless Communications
- Smart and Adaptive Antenna Systems
- Semiconductor Technology
- Electromagnetic Transients Programs (EMTP)
- RF Circuit Design and Applications
- VLSI Technology
- Digital Signal Processing
- Digital Image, Video & Speech Processing
- Computer and Machine Vision
- Micro Electronics
- Human Machine Interface
- Artificial Intelligence, Knowledge Management, Intelligent Systems and Approach
- Robotics
- Mechatronics
- Adaptive Control
- Robust Control
- Process Control and Automation
- Soft Computing Control strategies
- Neurofuzzy Systems
- Satellite Communication
- Bio Medical Instrumentation
- Information System

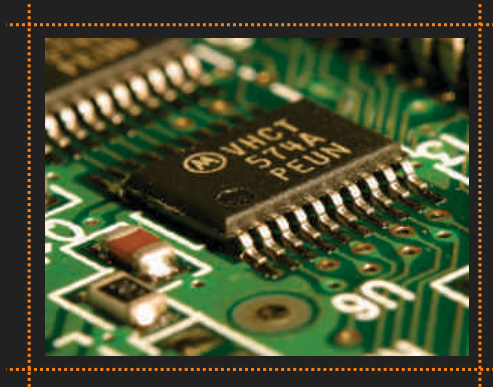


■ How to submit a paper? ■

Full length papers must be submitted before due date in MS WORD available on the websites www.parul.ac.in and www.ncevt.org and must be submitted to co-ordinator by email on ecncevt@parul.ac.in. Your paper will be acknowledged once received. It will be sent for review and after getting recommendations from reviewer, first author will be intimated about acceptance/ modifications etc. and accordingly, final paper with Conference fees should be submitted. HARD COPIES will not be accepted in any case.

■ National Technical Review Committee ■

- Dr. S. N. Merchant (IIT, Mumbai)
- Dr. S. Mukherjee (IIT, Roorkee)
- Dr. Joycee M. Mekie (IIT Gandhinagar)
- Dr. Babji Srinivasan (IIT , Gandhinagar)
- Dr. Upena Dalal (SVNIT, Surat)
- Dr. Nishith S. Bhatt (ESTIL Essar Learning Centre)
- Dr. R A Thakkar (VGEC, Chandkheda)
- Dr. Nikhil Khothari (DDU, Nadiad)
- Dr. Niteen Patel (SCET, Surat)
- Dr. Chirag N. Paunwala(SCET, Surat)
- Dr. P. H. Tandel (PIET, Limda)
- Prof. P D Dalal (DDU, Nadiad)
- Prof. S K Shah (M S UNIVERSITY, Baroda)
- Prof. Yogesh K Meghrajani (DDU, Nadiad)



■ Speakers at the Conference ■

Dr. Joycee M. Mekie

(IIT, Gandhinagar)

Mr. Madhukant Patel

(IETE Ahmedabad, CTO, IMP Consultancy,
Former Scientist/ Engineer, ISRO.)

Dr. Dharmesh J. Shah

(Dean, Engg., GTU)

Dr. Jignesh N. Sarvaiya

(SVNIT, Surat)

Mr. Prajose John

(e-infochip, Ahmedabad)

■ Key Dates ■

- Submission of full length paper
18th March, 2013
- Notification of acceptance
08th April, 2013
- Submission of Camera ready Paper
18th April, 2013
- Last date of registration form submission
25th April, 2013
- Submission with late fees of
Rs. 250/- for all categories
2nd May 2013

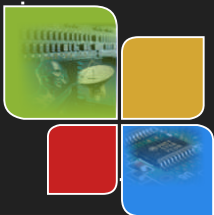
■ Conference Fees ■

- Research Scholars/PG Students
(for attending only)
Rs. 750/-
- Research Scholars/PG Students
(for Publication)
Rs. 1000/-
- Academicians
Rs. 1500/-
- Others
Rs. 2000/-
- For each additional Paper Rs. 250/- Extra

■ Cash Prizes ■

Best Research Paper:-

- First position Rs. 3000/-
- Second Position Rs. 2000/-
- Third Position Rs. 1000/-
- Best Presentation during the
conference Rs. 2000 /-



■ Important Instructions ■

Conference fees include the cost of conference material, tea/coffee, breakfast and lunch for conference days.

For sending DD in the duration from 26th April to 2nd May, email attached with scanned copy of DD will be considered.

Conference fees will be accepted only through DD in favor of "NCEVT-PARUL" payable at Central Bank of India, Vadodara

All the accepted papers will be published in a Conference proceedings with ISBN number. The conference proceeding will also be available on the website of the Conference www.ncevt.org

■ Chief Patron ■

Dr. Jayeshbhai Patel
Chairman,
Parul Arogya Seva Mandal Trust

■ Patron ■

Dr. Devanshu Patel
Managing Trustee,
Parul Arogya Seva Mandal Trust

■ Conveners ■

Dr. Vilin Parekh
Principal, Parul Institute of Engineering and Technology
Dr. T.L. Popat
Principal, Parul Institute of Technology

■ Co-conveners ■

Prof. M A Lokhandwala
HOD, E&C Dept. (PIET)
Prof. Haresh A. Suthar
HOD, E&C Dept. (PIT)

■ Co-ordinators ■

Prof. Aslam Durvesh
(09879339259)
(aslamdur@gmail.com)
Prof. Madhuri Thakkar
(08460460074)
(madhuri4288@yahoo.com)

■ Organizing Committee ■

Prof. Ila D. Parmar
Prof. M. G. Shajan
Prof. Anuradha Gharge
Prof. Hardik N. Mewada
Prof. Yogesh D. Parmar
Prof. Ketan J. Goswami
Prof. Tanvi B. Shah

■ Whom & Where to send the paper? ■

All correspondence must be addressed to **Co-ordinators** only on following **address and Email Id**

Electronics & Communication Engineering Department,
Parul Institute of Engineering and Technology

Po:Limda,Ta:-Waghodia,Dist:-Vadodara - 391760,Gujarat State,
Phone:-02668-260345,Fax:-02668-260201

Email : ecncevt@parul.ac.in, Web : www.parul.ac.in and www.ncevt.org

NATIONAL CONFERENCE ON
EMERGING VISTAS OF TECHNOLOGY IN 21st CENTURY



FUTURISTIC TRENDS IN

ELECTRICAL

ENGINEERING
(NCEVT'13)

10th and 11th May 2013

- Publication Partner •



- Organized by •

Electrical Engineering Department

Parul Institute of Engineering & Technology
and
Parul Institute of Technology



■ About the Conference ■

Since last 4 years, Parul Institute of Engineering & Technology, Vadodara, is organizing a highly successful National Conference on Emerging Vistas of Technology in 21st Century, popularly known as “NCEVT”. First NCEVT was organized by the institute in the month of September – 2009. In this conference around 190 Research Papers were published by Research Scholars from various colleges of India. Second NCEVT was organized in the month of December – 2010 wherein around 210 delegates had participated and more than 225 Research Papers were published. Third NCEVT was organized at Ahmedabad in the month of April – 2012, in association with Gujarat Technological University and ISTE at Ahmedabad. Around 355 delegates had participated and presented more than 250 Research Papers in all. These papers were reviewed by well known Professors from NITs, IITs and other Institutes of repute. Selected papers were published in a special issue of IJTE in a print as well as online. This is the fourth consecutive conference of NCEVT Series organized in association with leading National and International industries.

■ About the Institutes ■

Parul Institute of Engineering & Technology (PIET) was established in 2003, whereas Parul Institute of Technology (PIT) was established in 2010. Both the Institutes are affiliated to Gujarat Technological University (GTU) and approved by AICTE. PIET has the credit of being the only Engineering Institute of Gujarat having valid NBA, AICTE & NAAC, UGC accreditations. TCS and L&T have also accredited PIET. PIET has also been bestowed with an honor of being one of the 25 innovation sankuls of GTU. The Engineering Faculty of the campus has won the best ISTE Chapter Awards at faculty and student level on numerous occasions. Both the Institutes offer courses at Under Graduate & Post Graduate levels in the disciplines of Electrical Engineering, Electronics & Communication Engineering, Computer Science & Engineering, Information Technology, Mechanical Engineering, Civil Engineering and Automobile Engineering.

■ About the Departments ■

The Departments of Electrical Engineering were founded in the year 2003 and 2010 respectively at PIET and PIT with highly qualified staff. The Departments offer Under Graduate program in Electrical Engineering and Post Graduate Program in Power System and Power Electronics. During last 5 years the Departments have organized STTPs, National Conferences, Workshops and supported Gujarat Technological University in organizing National Conferences also. The faculties are encouraged to take independent initiative with collective responsibility in all the relevant academic and R&D dimensions like – Curriculum Development, Research Supervision, organizing Conferences, Symposia etc.



■ Advisors ■

- Prof. D. M. Patel , M.S. University, Vadodara.
- Dr. Hina Chandwani, M.S. University, Vadodara.
- Dr. Varsha Shah, SVNIT, Surat.
- Dr. P N Tekwani, Nirma University, A'bad.

■ How to submit a Paper ? ■

Full length paper must be submitted before due date in MS Word format as available on our web sites: <http://www.parul.ac.in> and www.ncevt.org and must be submitted to Coordinators by email only (electncevt@parul.ac.in). Your paper will be acknowledged once received. It will be sent for review and after getting recommendations from reviewers first author will be intimated about acceptance/ modification, etc. and final paper with conference fees should be submitted. Hard copy will not be accepted in any case.

■ National Technical Review Committee ■

- Dr. Hina Chandwani, Reader, M.S.University, Vadodara.
- Dr. Hiren Patel, In-charge Principal, SCET, Surat.
- Dr. B. R. Parekh, Head, B.V.M., V.V. Nagar.
- Dr. Pragnesh Bhatt, Head, CITC, Changa.
- Dr. C. D. Kotwal, Head, SVIT, Surat.
- Dr. Bhavesh Bhalja, Head, ADIT, V.V.Nagar.
- Dr. Bhavik Suthar, Head, L.D.College of Engineering, A'bad.
- Dr. Saurabh Pandya, Associate Professor, L.D.College of Engineering, A'bad.
- Dr. Shambhu Sharma, Associate Professor, SVNIT, Surat.
- Dr. Varsha A. Shah, Associate Professor, SVNIT, Surat.
- Mrs. Sandhya Rathod, Associate Professor, SCET, Surat.
- Dr. R.B.Jadeja, Associate Professor, Marwadi College, Rajkot.

■ Topics of the Conference ■

- Advances in Power Systems
- Power System Stability
- Flexible AC Transmission System
- Economic Operation of Power System
- Artificial Intelligence
- Electro Magnetic Theory
- Transmission and Distribution
- Protection and Switch Gear
- Renewable Energy Systems
- Control Engineering
- Power Electronics
- High Voltage Engineering
- DSP & Controller Applications in Power Systems & Power Electronics
- Electrical Machines, Drives and Control



Speakers of the Conference

- Dr. M. Veeracharya, IIT, Delhi
- Dr. Ganga Agnihotri, MANIT, Bhopal
- Dr. Aradhana Ray, Laxmi Associates, Vadodara
- Dr. B. R. Parekh, BVM, V.V. Nagar

Important Dates

- Submission of full Length Paper 18th March, 2013
- Notification of Acceptance 08th April, 2013
- Submission of Camera ready Paper 18th April, 2013
- Last date of registration form submission at Institute 25th April, 2013
- Submission with late fees of Rs. 250/- for all categories 2nd May, 2013

Conference Fees

- Research Scholars/PG Students (for attending only) Rs. 750/-
- Research Scholars/PG Students (for Publication) Rs. 1000/-
- Academicians Rs. 1500/-
- Others Rs. 2000/-
- For each additional Paper Rs. 250/- Extra

Cash Prizes

Best Research Paper:-

- First position Rs. 3000/-
- Second Position Rs. 2000/-
- Third Position Rs. 1000/-
- Best Presentation during the conference Rs. 2000 /-

Important Instructions

Conference fees include the cost of conference material, tea/coffee, breakfast and lunch for conference days. Conference fees will be accepted only through DD in favor of "NCEVT-PARUL" payable at Central Bank of India, Vadodara. All the accepted papers will be published in a Conference proceedings with ISBN number. The conference proceeding will also be available on the website of the Conference www.ncevt.org

Chief Patron

Dr. Jayesh K. Patel
Chairman,
Parul Arogya Seva Mandal

Patron

Dr. Devanshu J. Patel
Managing Trustee,
Parul Arogya Seva Mandal

Conveners

Dr. Vilin Parekh
Principal, Parul Institute of Engineering and Technology
Dr. T.L. Popat
Principal, Parul Institute of Technology

Co-conveners

Prof. Falguni M Bhavsar, HOD Electrical Dept (PIET).
Prof. Kajal Shah, HOD Electrical Dept (PIT).

Coordinators

Prof. Deepa B Karvat
Contact No : 095379 24343
bhaskerdeepa@yahoo.co.in
Prof. Kapil Arora
Contact No : 094087 27767
kapill_arora_31@yahoo.com

Organizing Committee

Prof. Manish Pandya
Prof. Rital R Gajjar
Prof. Girish Jadhav
Prof. Veena Kotak

Whom & Where to send the paper?

Full length papers must be submitted before due date in MS WORD IEEE format available on the websites www.parul.ac.in and www.ncevt.org and must be submitted to convener by email on electncevt@parul.ac.in



**NATIONAL CONFERENCE ON
EMERGING VISTAS OF TECHNOLOGY IN 21ST CENTURY**

10th & 11th May, 2013

• Organized by •

PARUL GROUP OF ENGINEERING INSTITUTES

• In Collaboration with •

• Publication Partner •



REGISTRATION FORM

To,
Convenor,
NCEVT-2013,
Po: Limda, Ta: Waghodia,
Dist: Vadodara - 391760,
Gujarat State.
Phone: 02668-260204/408
Fax : 02668-260201

Name : _____

Designation : _____

Address : _____

Mobile : _____ Email: _____

Participant Category :

Industry Academic Research Scholar / Student
(Presenting/Attending)

DD Amount : _____

DD No. : _____

Drawn Bank : _____

Date : _____

Sign (applicant)

Sponsoring authority

Date : _____

Place : _____

Note : Photocopy of Registration Form is permitted