

KEY DATES

Submission of full length paper..... February 27, 2012
Notification of acceptance March 17, 2012
Submission of Final paper March 31, 2012
Last date of registration form
submission at institution March 31, 2012
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submission with late fees of Rs. 250/-
for all categories April 7, 2012

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Academicians : Rs 1000*
Others : Rs 1250*

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(NCEVT '12)

14th & 15th April, 2012

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: In Collaboration with :

**The Indian Journal of Technical Education &
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Venue :

**Ahmedabad Management Association
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DEPARTMENT OF CIVIL ENGINEERING

The Civil Engineering Department offers Under Graduate Programme in Civil Engineering and Post Graduate Programme in Civil Engineering with specialization in Structural Engineering & Transportation Engineering. The Department is bestowed with highly qualified and dedicated faculties with rich experience, well equipped laboratories and skilled & committed supporting staff. Conducting seminars, workshops and conferences on the latest developments in various Civil Engineering fields has been the regular feature of this department. During the last three years the Department has conducted two Short Term Training Programmes and five National Conferences / Seminars.

ABOUT THE CONFERENCE

The battle against climate change will be decided in cities. Cities have a tremendous potential to decrease green house gases and thus play an important role in the battle against climate change. Investment in climate protection result in a win-win situation: economic advantages for customers, sustainable development for cities and a better quality of life for the residents.

PRIME THEME: - GREEN CITY

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

Environmental Engineering

- Air quality
- Climate change and variability
- Energy efficient solid waste management
- Environmental and sustainable issues
- Freshwater depletion and degradation

Geotechnical Engineering

- Geotechniques for transportation and infrastructure
- Geoenvironmental engineering
- Geosynthetics reinforcement
- Ground improvement and soil stabilization

Land Use and Buildings

- Innovative construction technology
- Structural integration
- Structural optimization

Structural Engineering

- Dynamic analysis
- Non linear analysis
- Structural reanalysis and sensitivity analysis

Transportation Engineering

- Intelligent transport systems
- Transportation planning and system optimization
- Transportation security, environmental protection and sustainable development

Water Resources Engineering & Water Management

- Hydrological modeling
- Integrated water and land use management
- Integrated watershed management
- Urban water management
- Water, storm water and wastewater management

SUBMISSION OF FULL LENGTH PAPERS:

Full length papers must be submitted before due date in MS WORD 2007 format as available on our website <http://www.parul.ac.in/ncevt12/format> and must be submitted to convener by email only. Your paper will be acknowledged once received. It will be sent for review and after getting recommendation from reviewer, First author will be intimated about acceptance/modifications etc and according to the case Final Paper with Conference fees should be submitted. HARD COPIES will not be accepted in any case.

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DEPARTMENT OF MECHANICAL ENGINEERING

The department of Mechanical Engineering was founded in the year 2003 with highly equipped staff. The Department offers Under Graduate program in Mechanical and Post Graduate Program in Thermal Engineering. The faculty are encouraged to take independent initiative with collective responsibility in all the relevant academic and R&D dimensions like – Curriculum Development, Research Development, Organizing conferences, Symposia etc.

During the last three years the Department conducted two Short Term Training Programmes and Two National Conferences / Seminars.

ABOUT THE CONFERENCE

The main Objective of the Conference is to explore the advancement in the field of Mechanical Engineering & also to reflect the current focus of Global Research, Recent Development, Challenges & Emerging trends in the field of Mechanical Engineering.

PRIME THEME: FUTURISTIC TRENDS IN MECHANICAL ENGINEERING

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

Design & Manufacturing

- Life Cycle Design of Products
- Design for Environment
- Design for Manufacturing and Assembly
- Applications of FEA in Design
- Concurrent Engineering
- PDM, PLM, Collaborative Product Design & Commerce
- Condition Monitoring and Vibration Analysis
- Reliability Engineering
- Industrial Tribology
- 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
- Logistics and SCM
- CAD/CAM/FMS/CIMS
- Reverse Engineering, RP/RT
- Micro-Machining, Nano - Technology & Smart Materials
- Mechatronics, MEMS & NEMS
- Case Studies

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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 Non-conventional Energy Sources, Energy Systems
- Cryogenics
- Computational Methods in Thermal Engineering,
- Optimization Methods, CFD
- Case Studies

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

The Department of Electronics and Communication Engineering (E&C) was founded in the year 2003 with highly equipped laboratories and well qualified staff. The Department offers Under Graduate Program in Electronics and Communication and Post Graduate Program of Digital Communication (since 2009-10) in 1st shift and Electronics & Communication Engineering (since 2010-11) in 2nd shift. 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 THE CONFERENCE

Today the technologies are changing at a fast pace and the boundaries between domains are disintegrating. Hence there is a growing need to discuss and assimilate the latest developments in Technology. NCEVT'12 is a National Level Conference where theory, practices, and applications of Communication, Embedded, Control Systems and related topics will be presented and discussed. The Conference aims to offer a forum for interaction among the students, research scholars, academicians, scientists and Industrial experts. Plenary talks by experts from academic and industry have also been arranged.

Prime Theme : Eco Friendly Communication

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

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



SUBMISSION OF FULL LENGTH PAPERS:

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KEY DATES

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Submission of Final paper..... March 31, 2012
Last date of registration form
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submission with late fees of Rs. 250/-
for all categories..... April 7, 2012

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IJTE



NATIONAL CONFERENCE ON EMERGING VISTAS OF TECHNOLOGY IN 21ST CENTURY

FUTURISTIC TRENDS IN



14th & 15th April, 2012

Organized By
**GUJARAT TECHNOLOGICAL UNIVERSITY,
AHMEDABAD**

: In Collaboration with :
**The Indian Journal of Technical Education &
Indian Society for Technical Education**

: Supported By :
**Parul Institute of
Engineering & Technology**

Venue :
**Ahmedabad Management Association
Dr. Vikram Sarabhai Marg, University Area,
Ahmedabad, Gujarat.**

Important Dates :
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ABOUT THE CONFERENCE

Now-days technology is growing because of the introduction of Power Electronics and its application in Power System, such as FACTS, Multilevel inverters etc. This Conference will emphasis on latest developments in the field of Power Electronics and Power systems. Also the energy sources such as solar, wind etc, its efficient transmission through Facts system and HVDC, its utilization with the help of power electronics devices and advanced control techniques in Industries without compromising the quality of Electrical Power will be discussed.

PRIME THEME: - FUTURISTIC TRENDS IN ELECTRICAL ENGINEERING

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

Design & Manufacturing

- Power system stability
- Flexible Alternating Current Transmission Systems (FACTS)
- EHV AC & DC Transmission Engineering
- Economic operation of power system
- Artificial Intelligence
- Embedded System and Design
- Power Electronics
- Programmable Logic Control
- Antennas and Propagation
- Measurements and Instrumentation
- Electromagnetic Theory
- Network Analysis And Synthesis
- Transmission & Distribution
- Design of Electrical Apparatus
- Protection & Switchgear
- High Voltage Engineering
- Renewable energy systems
- Electrical machines drives and control
- DSP and Controller applications in Power system and Power Electronics



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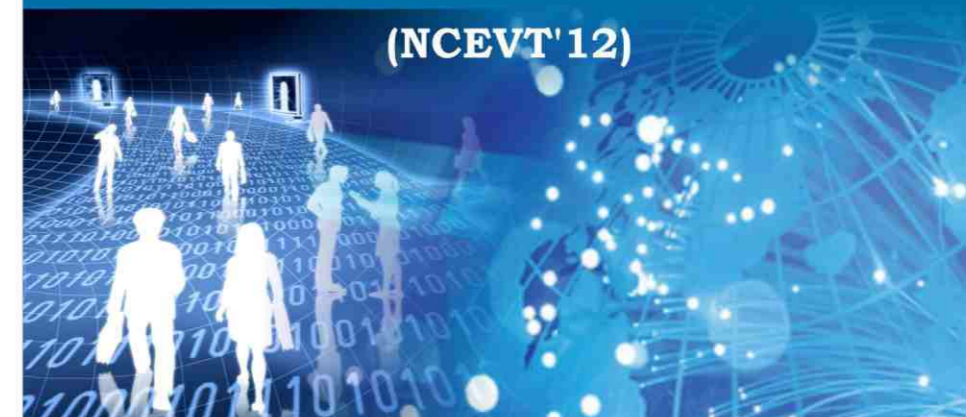
IJTE



NATIONAL CONFERENCE ON EMERGING VISTAS OF TECHNOLOGY IN 21ST CENTURY

REVOLUTIONARY TRENDS IN IT

(NCEVT'12)



14th & 15th April, 2012

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DEPARTMENT OF COMPUTER ENGINEERING, INFORMATION TECHNOLOGY & MCA:

The department of CSE was founded in the year 2003, MCA in 2004 and IT in 2006 with highly qualified staff. The Department offers Under Graduate programs in Computer Science, Information Technology and Post Graduate Programs in Computer Science, Information Technology, Computer Engineering and MCA. Total intake of UG level is 210 and in PG engineering it is 108 plus 60 seats of MCA. There are total 960 computers with latest configurations installed in various laboratories of these departments. Department of CSE was accredited by NBA-AICTE in the year 2009. 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.

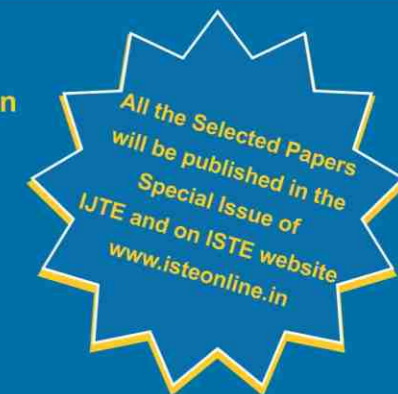
ABOUT THE CONFERENCE

As technology continues to advance, planners and investors need to understand when to embrace a technology-enabled trend in its formative stages versus when to ride out the hype cycle. Gartner research identifies disruptive trends arising from emerging information technology and assesses their potential impact.

PRIME THEME: - REVOLUTIONARY TRENDS IN IT

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

- Cloud Computing
- 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



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