

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



14th & 15th April, 2012

Organized By
GUJARAT TECHNOLOGICAL UNIVERSITY,
AHMEDABAD



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Gujarat Technological University organized its First National Conference on '**Emerging Vistas of Technology in 21st Century (NCEVT'12)**' in collaboration with Parul Institute of Engineering & Technology, Limda, Vadodara on 14th and 15th April 2012 at Ahmedabad Management Association, Ahmedabad.

The prime idea to organize this conference was to bring Researchers, Scientists, Engineers and Scholar Students together to exchange and share their experiences, new ideas, and research results in all major areas of Engineering, to identify the practical challenges encountered and to adopt solutions through presentation and discussion of papers. The conference intended to encourage inventions, scientific investigations and research to promote their application for development in all sectors of national economy. In addition, NCEVT'12 aimed to serve as a platform to promote the exchange of ideas between Industry and Academia to equip them with the capability to meet with the emerging challenges and changing requirements in the context of globalization and privatization.

All conference papers were reviewed by a technical review committee of Professors of repute from IITs, NITs and leading national institutes in the specific area of the conference. We are grateful to each of the conference Co-conveners, Coordinators and their various committee members for their work in managing the review process and in the compilation of the proceeding volumes of this conference.

Honorable **Vice Chancellor of Himachal Pradesh & Secretary General of Association of Indian Universities Prof. A.D.N. Bajpai** was invited as chief guest to grace the occasion. Other dignitaries on the dais were Dr. Akshai Aggarwal – Honorable Vice Chancellor of Gujarat Technological University, Prof. M N Patel – Principal, L D College of Engineering, Dr. G P Vadodaria – I/c Registrar, Gujarat Technological University, Dr. Devanshu Patel – Managing Trustee, Parul Group of Institutes and Dr. Vilin Parekh – Principal, Parul Institute of Engineering & Technology and Convener – NCEVT'12.

Dignitaries like Dr. A C Mathur (ISRO, Ahmedabad), Dr S H Upadhyay (IIT, Roorkee), Dr S K Harsha (IIT, Roorkee), Dr M M Hassan (JMU, New Delhi), Dr Rahul Chibbar (IIT, Rajasthan), Dr D P Mishra (IIT, Kanpur), Dr Eldho T. I. (IIT Bombay), Dr. J.N.Mandal (IIT Bombay), Dr. Deepak Khare (IIT Roorkee), Dr. S.V.Barai (IIT Kharagpur), Dr. Manoj Arora (IIT Roorkee), Dr M.V.Aware (VNIT, Nagpur), Professor D. Thukaram (IISc, Bangalore), Dr. Sivkumar K. (IIT, Hyderabad), Professor R. K. Pandey (IIT, BHU, Varanasi), Mr. G.V.Akre (M.D. High Voltage Transformers, Halol), Dr. O.G. Kakde (VNIT, Nagpur), Dr. Devesh C Jinwala (SVNIT, Surat), Dr. P. S. Avadhani (Andhra University), Dr. V. Nagalakshmi (GITAM University, Visakhapatnam), Dr. Ramachandra V Pujeri (KITE, Coimbatore), Prof. Dr. S. Mukherjee (I.I.T Roorkee), Dr. Mehul S Raval (DAIICT, Gandhinagar), Dr. R.A. Thakker (VGEC, Chandkheda) also enlightened the participants with their treasure of knowledge. They expressed their words of gratitude in favor of this academic event which will be known as stepping stone in the field of Engineering & Technology in future.

The grand conference was organized by GTU & was supported all throughout by **7** different departments of Parul Institute of Engineering & Technology named Department of Computer Sciences & Engineering, Department of Information Technology, Master of Computer Applications (**THEME – Revolutionary Trends in IT**), Department of Electrical Engineering **Futuristic (THEME – Trends in Electrical Engineering)**, Department of Electronics & Communication Engineering (**THEME – Eco-Friendly Communications**), Department of Mechanical Engineering (**THEME – Futuristic Trends in Mechanical Engineering**) and Department of Civil Engineering (**THEME – Green City**) with the presence of more than **26** Eminent scholars, subject experts and speakers of concerned subjects who were invited from all over India.

The conference was enhanced by more than **550** participants from assorted places of the country like Islampur, Jabalpur, Mumbai, Ajmer, Kanyakumari, Jaipur, Kurukshetra, Lucknow, IIT Gauhati, Salem, Roorkee, IIT Kharagpur, Bijapur, Bhatkal, Aurangabad, Thiruchirapalli, Jalgaon, Chhatisgarh, Pondicheri, Pune, Indore etc. including many regions of Gujarat. Scholarly research papers were presented by these experts from several disciplines which has lead to an evocative & stimulating exchange of knowledge & thoughts for the unmarked instigation in Technology.

Dr.Vilin Parekh, Convener of NCEVT12 expressed that this conference intended to invite experts from several disciplines under one roof for a meaningful exchange of knowledge and ideas. It was to promote high standards in various streams of Technology by extending opportunities to the academicians and working professionals with the help of a forum for sharing their knowledge, experience, innovations and inventions.

In this context seeing the pace of development of Parul Institute of Engineering & Technology , the Vice Chancellor of Gujarat Technological University assured that ours would be one of the leading institutes in Emerging Vistas of Technological Education, Research & Development in 21st Century.

In NCEVT12, the organizing committee received 398 research papers from all over India, which were sent for the technical assessment and reviewed by Technical Paper Review Committee comprising 68 members and as per their assessment and suggestions organizing committee finalized 236 research papers in five branches to publish as five special issues of The Indian Journal of Technical Education, Promoted by Indian Society for Technical Education. For this, ISTE and Prof. Indrajit Patel provided their wholehearted support at all levels to publish the proceedings as special issue of IJTE. The Proceedings were inaugurated by all the dignitaries on the dais.

To encourage the young Researchers three prizes of Best Papers of Rs 3,000/-, 2,000/- and 1,000/-, and a prize of Rs.2000/- for the best presentation were sponsored by Parul Institute of Engineering & Technology. In addition to above, few other awards were also declared by the Eminent Personalities. These Awards are:

1. Dr. K. Ramamurthy Award of Rs. 2,500/- for Best Paper in Building Construction and Material.
2. Dr. S. V. Barai Award of Rs. 3,500/- for Best Paper in Structural Engineering.
3. Dr. J. M. Chandra Kishen Award of Rs. 2,500/- for Best Paper in Structural Engineering.
4. Dr. D. T. Shete Award of Rs. 3,500/- for Best Paper in Water Resources Engineering and Water Management.

The above four awards were given to the participants getting overall maximum points, considering both the categories of paper writing and paper presentation in the particular theme and it was decided to invite only those Authors for presentation, who obtained greater than or equal to 55 points for presentation. Again to give opportunity to more number of young scientists, each presenter was allotted nine minutes times (Including 6 minutes for paper presentation and 3 minutes for discussion)

Inaugural function



Dignitaries on the Dias



Lighting of lamp by Dignitaries

Welcome of Guests during Inaugural Function



Welcome of Chief guests by Mrs Shakuntalaben Aggarwal



**Welcome of Dr Akshai Aggarwal Vice Chancellor of Gujarat Technological University
by Dr. Devanshu Patel**



Welcome of Prof M N Patel by Dr.Vilin Parekh



Words of Initial Welcome by Prof Ruchi Shrivastav



Releasing the proceedings of NCEVT12, from Left Dr. G. P.Vadodaria (I/C Registrar, GTU), Dr.A.D.N. Bajpai (Secretary General, Association of Indian Universities & VC, Himachal Pradesh University) Dr.Akshai Aggarwal (VC,GTU), Dr. Devanshu Patel (Managing Trustee, PASM) and Dr.Vilin Parekh (Principal, PIET)



Speech by the convener of the Conference – Dr. Vilin Parekh



Inaugural Address by Chief Guest Prof A.D.N. Bajpai



Presidential address by Honorable Vice Chancellor Dr. Akshai Aggarwal



Vote of Thanks by Dr. Devanshu Patel



Audience during the Inaugural function



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**REPORT ON
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**green
city**

(NCEVT '12)

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Climate change & global warming are the major threats to our planet. “The issue of climate change is one that we ignore at our own peril.” Cities are a key contributor to climate change and have a tremendous potential to decrease pollution of all sorts, and play a crucial role in the battle against climate change. Investment in climate protection results in a win-win situation: economic advantages for customers, sustainable development for cities and a better quality life for the residents. In this lieu following thrust areas were targeted in the conference with **PRIMETHEME** as “**GREEN CITY**”,

Total 105 papers were received from all over the country and 47 out of them were accepted after vetted by 36 Peer Reviewers from IISc, IITs and NITs comprising,

Dr. J M Chandra Kishen	IISc, Bangalore
Dr. Pradeep Mujumdar	IISc, Bangalore
Dr. P C Pandey	IISc, Bangalore
Dr. Jayant Kumar	IISc, Bangalore
Dr. D Nagesh Kumar	IISc, Bangalore
Dr. Brind Kumar	IIT Banaras, Banaras
Dr. T.I.Eldho	IIT Bombay, Mumbai
Dr. J.N.Mandal	IIT Bombay, Mumbai
Dr. Rajib Bhattacharya	IIT Guwahati, Guwahati
S. Chakraborty	IIT Guwahati, Guwahati
Dr. Mohammad Jawed	IIT Guwahati, Guwahati
Dr. Sudhirkumar Barai	IIT Kharagpur, Kharagpur
Dr. Manoj Arora	IIT Roorkee, Roorkee
Dr. M.L. Kansal	IIT Roorkee, Roorkee
Dr. Deepak Kashyap	IIT Roorkee, Roorkee
Dr. Deepak Khare	IIT Roorkee, Roorkee
Dr. U.C. Kothyari	IIT Roorkee, Roorkee
Dr. S.K. Jain	IIT Roorkee, Roorkee
Dr. K. Ramamurthy	IIT Madras, Chennai
Dr. B. Nageshwar Rao	IIT Madras, Chennai
Dr. Shashikala A.P	NIT Calicut, Kerala
Dr. Ashok Kumar Govil	MNNIT, Alahabad
Dr. Rajesh Gupta	VNIT, Nagpur
Dr. C. H. Solanki	SVNIT, Surat
Dr. V.L. Manekar	SVNIT, Surat

More than 45 participants attended the conference. As per their remarks the purpose of conference was achieved to their utmost satisfaction. The eminent speakers and chairpersons from IITs were also happy with the quality of work presented and overall management of the event. Dr. S.V. Barai, from IIT Kharagpur and Dr Manoj Arora from IIT Roorkee promised to attend any conference organized by present organizing body.

The details of the Prizes and Awards received by the Participants are as follows:

Best Paper First Prize: Rs 3,000 /-, to Shri Rajesh Ranjan Rele

Best Paper Second Prize: Rs. 2,000 /- to Shri T.M.V.Suryanarayana

Best Paper Third Prize: Rs. 1,000 /- to Shri Ankur H. Patel

Best Paper Presentation Prize: Rs. 2000/- to Shri Mitul M. Doshi

Other Awards declared by the Eminent Personalities:

Dr.K. Ramamurthy Award of Rs. 2,500 /- in Building Construction and Material to Shri S.V. Patankar

Dr.S.V.Barai Award of Rs. 3,500 /- in Structural Engineering to Ms.Suhasini M.Kulkarni

Dr.J.M. Chandra Kishen Award of Rs. 2,500 /- in Structural Engineering to Shri Rajesh Ranjan Rele

Dr. D.T. Shete Award of Rs. 3,500/- in Water Resources Engineering and Water Management to Ms. Shweta Deodhar



Dr. T.I. Eldho, Professor, Civil Engineering Department, IIT Bombay, Mumbai delivering a keynote address on **Groundwater Pollution Remediation Design using Simulation Optimizations Models**

Dr. G.P.Vadodaria, Dr.Vilin Parekh and Dr. S.V. Barai (Professor, IIT Kharagpur) during a session of "Green City", NCEVT12



Dr. J. N. Mandal, Professor, Civil Engineering Department, IIT Bombay, Mumbai, delivered keynote address on **Novel Techniques for Ground Improvement in India** and he also chaired the session



Dr Deepak Khare, Professor, Deptment of Water Resources Development and Management, IIT Roorkee, Roorkee presenting his keynote address on **Green City - Urban Rain Water Harvesting** and he also chaired the session

Dr. S.V. Barai, Professor, Civil Engineering Department., IIT Kharagpur , Kharagpur delivering his keynote address on **High Performance Computational Intelligence Tool for Structural Optimization** and he also chaired the session



Dr. Manoj Arora, Professor, Department of Civil Engineering, IIT Roorkee, Roorkee emphasizing his point in his keynote address on **Accurate Land Cover Extraction from Remote Sensing Data for Green Environment**



Dr. D.T.Shete,
Co-Convener addressing
the Valedictory Function of NCEVT 12.
Others on the dais are
Ms. S. M. Kulkarni, Co-ordinator,
Dr. Manoj Arora of IIT Roorkee,
Dr. Deepak Khare of IIT Roorkee, and
Dr. S.V. Barai of IIT Kharagpur

Ms. Suhasini M. Kulkarni of PIET
receiving Dr. S.V. Barai Award of Rs.
3,500/- in Structural Engineering
from Dr. S.V. Barai of IIT Kharagpur for
her paper on Behavior of Exterior RC
Beam-Column Joint subjected to
Monotonic Loading



Shri Rajesh Ranjan Rele of IIT
Guwahati presenting his Award and
Prize winning paper on Effect Of
Vehicle Mass And Its Location On
Coupled Natural Frequencies of The
Bridge. He won the Dr. J. M. Chandra
Kishen Award of Rs. 2,500/- in
Structural Engineering and Best Paper
Prize of Rs. 3000/-



Shri S.V. Patankar of GEC, Aurangabad, presenting his Award winning paper on Utilization of Fly ash in Production of Geopolymer Concrete and Dr. K. Ramamurthy Award of Rs. 2,500 /- in Building Construction and Material from Dr Manoj Arora of IIT Roorkee

Ms Shweta Deodhar of Mott McDonald Pvt Ltd receiving Dr. D.T. Shete Award of Rs. 3,500/- in Water Resources Engineering and Water Management from Dr D.T. Shete, Co – Convener, for her paper on Characterizing Catchment Area of Panam Dam II: Morphometrical Analysis



Participants of NCEVT I2 Green City cheering the Award and Prize winners at Valedictory function



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**FUTURISTIC TRENDS IN
MECHANICAL**

ENGINEERING

(NCEVT '12)

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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.

Total 75 papers were received from all over the country and 50 out of them were accepted after review by 6 Peer Reviewers from IITs & another institutes comprising ,

Dr S H Upadhyay	IIT Roorkee
Dr. PV Bhale	IIT Bombay
Dr. Ajit Shukla	PDPU, Gandhinagar
Dr. M N Qureshi	MSU, Baroda
Dr. PV Ramana	SVIT, Vasad
Dr. J M Prajapati	MSU, Baroda

More than 200 participants attended the conference. As per their remarks the purpose of conference was achieved to their utmost satisfaction. The eminent speakers and chairpersons from IITs & other institute were also happy with the quality of work presented and overall management of the event.

The details of the Prizes and Awards received by the Participants are as follows:

Best Paper First Prize: Rs 3,000 /-, to Ms. Swati Prajapati

Best Paper Second Prize: Rs. 2,000 /- to Mr. Jujara Mohsin

Best Paper Third Prize: Rs. 1,000 /- to Ms. Tejal M Rana

Best Paper Presentation Prize: Rs. 2000/- to Mr. N P Oza



Dr. D P Mishra Professor, Aerospace Department, IIT Kanpur delivering a keynote address on “**Micro-Combustion : Powering the Miniature Machines**”



Mr. A C Mathur Group Director, Antenna Design Department, ISRO, Ahmedabad delivering a keynote address on **“Challenges in Space Mechanical Engineering”**

Dr. M M Hasan Professor, Mechanical and Industrial Engineering Department, Jamia Millia Islamia, New Delhi delivering a keynote address on **“Production Optimization of Biodiesel using Thumba oil and its Performance Analysis”**



The Valedictory Function of NCEVT 12. Others on the dais are (from left) Prof KBK Lamba, Co-ordinator, Prof M Hasan & Dr. Vilin Parekh



Mr. Nityam P Oza of Government Engineering College, Bhuj receiving award of Rs. 2,000 /- for Best Paper Presentation Prize in Mechanical Engineering from Dr M M Hassan of Jamia Millia Islamia for his paper on “Performance Comparison of 4-Stroke Multi-Cylinder CI-Engine Using Neem Biodiesel and Diesel as Fuel”

Ms Swati M Prajapati of PIET receiving award of Rs. 3,000 /- for Best Paper First Prize in Mechanical Engineering from Dr M M Hassan of Jamia Millia Islamia for her paper on “Design Methodology & CFD analysis of Rich Burn Quick Mix Lean Burn Micro Combustor”



Mr. Jujara Mohsin of PIET receiving award of Rs. 2,000 /- for Best Paper Second Prize in Mechanical Engineering from Dr M M Hassan of Jamia Millia Islamia for his paper on “Performance and Emission Characteristics of Four Cylinder Four Stroke Compression Ignition Engine Fueled with Coconut Oil-Diesel Fuel Blend”



Ms Tejal M Rana of PIET receiving award of Rs. 1,000 /- for Best Paper Third Prize in Mechanical Engineering from Dr M M Hassan of Jamia Millia Islamia for her paper on “3D Computational Study of Heat Transfer through Tube Bundles with Triangular Pitch of Shell-and-Tube Heat Exchanger”



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**REPORT ON
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IN 21ST CENTURY**

**ECO-FRIENDLY
COMMUNICATIONS**

(NCEVT '12)

14th & 15th April, 2012

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Today the technology is 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 was a National Level Conference where theory, practical and applications in communication embedded, control System and related topics were presented and discussed. The Conference aimed to offer a forum for interaction among the students, research scholars, academicians, scientists and industrial experts. Plenary talks by experts from academics and industry had been arranged. In this lieu following thrust areas were targeted in the conference with PRIME THEME as **“ECO FRIENDLY COMMUNICATION”**,

Total 114 papers were received from all over the country and 60 out of them were accepted after vetted by 24 Peer Reviewers from IITs, NITs & another institutes comprising ,

B. B. Godbole	KBP, Satara, Pune
D. J. Shah	LCIT, Bhandu
R. S. Anand	IIT, Roorkee
Jagrut Gadit	MSU, Baroda
Jaymin bhalani	CHARUSAT, Changa
Jigar H. Shah	SVMIT, Bharuch
K. H. Wnadra	C U Shah College of Engineering
M. L. Dewal	IIT, Roorkee
Manik Gaekwad	SCE, Pune
Mehul R. Raval	DA-IICT, Gandhinagar
Mihir Shah	GEC, Chandkheda
Pinal Engineer	SVNIT, Surat
P. H. Tandel	PIET, Vadodara
R. A. Thakkar	GEC, Chandkheda
S. K. Gosavi	MSU, Baroda
Sukant Kumar Chhotaray	SVIT, Vasad
Ved Vyas Dwivedi	Noble Group of Institutes, Junagadh

More than 200 participants attended the conference. As per their remarks the purpose of conference was achieved to their utmost satisfaction. The eminent speakers and chairpersons from IITs, NITs & other institutes were also happy with the quality of work presented and overall management of the event.

The details of the Prizes and Awards received by the Participants are as follows:

Best Paper First Prize:Rs 3,000 /-, to Mr. Suhas B Bhise & Mr. Ajay B. Patil

Best Paper Second Prize:Rs.2,000 /- to Mr. Hardik Kathiriya & Mr. Ankit Parmar

Best Paper Presentation Prize:Rs.2000/- to Ms. Vidita B.Kanani,& Mr. A.I.Darvadiya



Dr. Shakti Dev Mukharjee, Professor, Electrical Engineering Department, IIT, Roorkee delivered key note address on **“Green Communication”**



Dr. R A Thakkar, Professor, Vishwakarma Govt., College, Chandkheda ,Ahmedabad delivered key note address on **“Organics Electronics and RFID”**

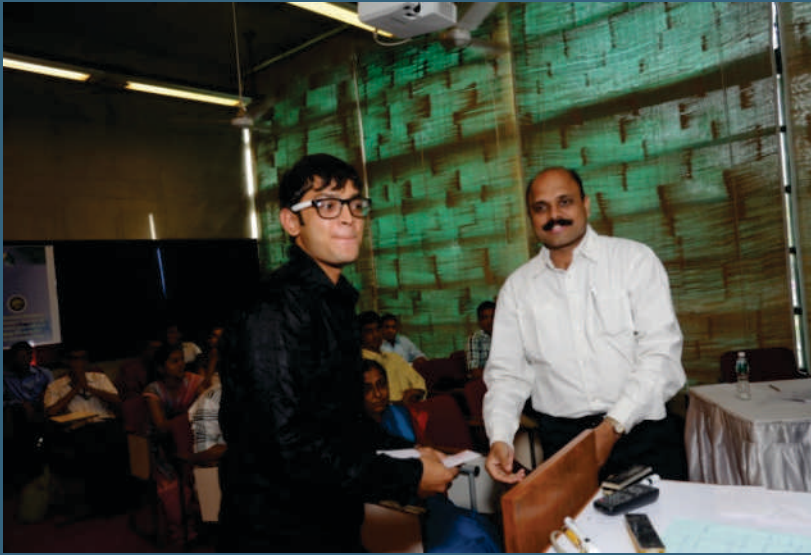


Dr.Vedvyas Diwedi, Professor. Noble Group of Institutions, Junagadh delivered key note address on “ **Optimization of Electronics Devices : Design Issues**”

Valedictory Function of NCEVT12 - Others on the dais are (From Left) Mr. Prajosh John, Dr.Vilin Parekh, Prof MA Lokhandwala, Prof.A R Yadav with all working committee members.



Mr. Suhas B Bhise of Rajarambapu Institute of Technology, Islampur, Maharashtra receiving award of Rs. 3,000 /- for Best Paper Third Prize in Electronics & Communication Engineering for his paper on “Novel Image Segmentation For Aircraft Type Recognition Using Hausdorff Distance”



Mr. Hardik S. Kathiriya, of Shri Sad Vidya Mandal Inst. of Tech., Bharuch receiving award of Rs. 2,000 /- for Best Paper Second Prize in Electronics & Communication Engineering for his paper on “Developing DSP Laboratory by Implementation of Speech Processing Algorithm Using CCS And DSK6713 Based On Tms320c6713 Digital Signal Processor”

Ms Vidita B. Kanani, of Sardar Vallabhbhai Patel Institute of Technology, Vasad receiving award of Rs. 1,000 /- for Best Paper presentation Second Prize in Electronics & Communication Engineering for his paper on “FPGA Implementation and Comparative Analysis of Fragile and Robust Watermarking Algorithm”



Participants of NCEVT 12 Eco Friendly Communication at Valedictory function



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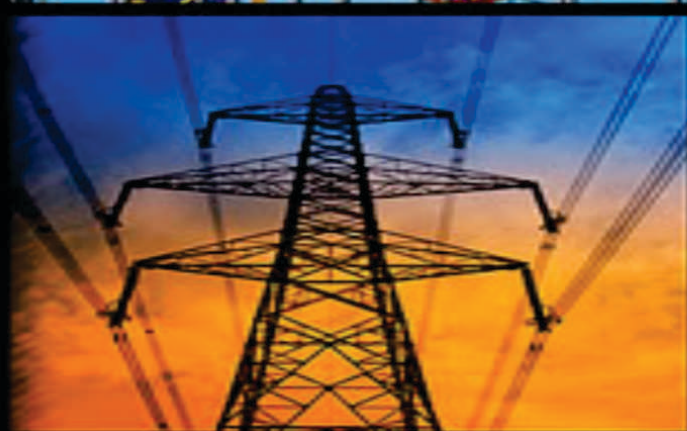


REPORT ON NATIONAL CONFERENCE ON EMERGING VISTAS OF TECHNOLOGY IN 21ST CENTURY



ELECTRICAL ENGINEERING

(NCEVT '12)



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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 emphasized 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 have been discussed. In this lieu following thrust areas were targeted in the conference with PRIMETHEME as **“FUTURISTIC TRENDS IN ELECTRICAL ENGINEERING”**,

Total 52 papers were received from all over the country and 32 out of them were accepted after vetted by 8 Peer Reviewers from NITs & another institutes comprising,

Dr. Bhavesh Bhalja	ADIT, Vidhaya Nagar
Dr. Bhavik Suthar	L.D. Engg. Ahmedabad
Dr. J. J. Patel	SVNT, Surat
Dr. B. R. Parekh	BVM, Vidhaya Nagar
Dr. Hiren Patel	SCET, Surat
Dr. Saurabh Pandya	GEC, Bhavnagar
Dr. Hina Chandvani	MSU, Vadodara
Dr. M.V. Makwana	LEC, Morbi

More than 200 participants attended the conference. As per their remarks the purpose of conference was achieved to their utmost satisfaction. The eminent speakers and chairpersons from NITs & other institutes were also happy with the quality of work presented and overall management of the event.

The details of the Prizes and Awards received by the Participants are as follows:

Best Paper First Prize: Rs 3,000 /-, to Ms. Rupa Vyas

Best Paper Presentation Prize: Rs. 2000/- to Mr. Hiren Patel

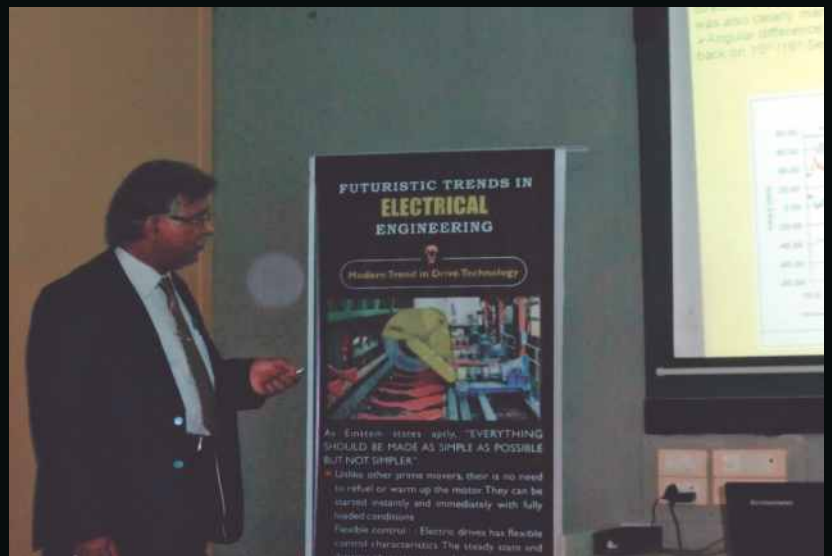


Prof. D Thukaram, Professor, Electrical Engg Department, Indian Institute of Science, Bangalore, delivered key note address on **“Application of SVMs and ANNs for post-fault analysis and restoration of Power networks”**



Prof. M.V. Aware Professor, Electrical Engg. Visvesvaraya National Institute of Technology (VNIT), NAGPUR delivered key note address on **“Distributed Generation in Smart Grid:- Towards realisation of a low-carbon society”**

Dr. R. K. Pandey, Professor, Electrical Engg, Indian Institute of Technology, Banaras Hindu University, Varanasi delivered keynote address on **“Power system operational challenges in open access regime”**



Dr. Shivakumar Asstt. Professor, Electrical Engg Department, Indian Institute of Technology, Hyderabad delivered keynote address on **“Multilevel inverter topologies for induction motor drive applications”**



Ms Rupa Vyas, GEC, Bhuj awarded of Rs. 3000/- Best Paper First Prize in Electrical Engineering her paper on “ **Forecasting Daily Urban Electric Load profile Using ANN**”



Prof Hiren Patel, Indus Institute of Technology, awarded Best paper Presentation for Rs. 2000/- prize in for his paper “**Study and simulation of 3 phase voltage source inverter in Different Conduction MODES**”



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REVOLUTIONARY TRENDS IN IT**

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As Technology continues to advance, planners and investors need to understand when to embrace technology-enabled trends 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. In this lieu following thrust areas were targeted in the conference with PRIME THEME as **“REVOLUTIONARY TRENDS IN IT”**,

Total 72 papers were received from all over the country and 41 out of them were accepted after review by 5 Peer Reviewers from NITs & another institutes comprising ,

Dr. S. K. Vij	SVIT, Vasad
Dr P. M. Doliya	Bhavnagar University
Dr. Nilesh Modi	SVICS, Kadi
Dr. V. D. Pathak	Academy of Creativity, Baroda
Prof. U. P. Rao	SVNIT, Surat

More than 200 participants attended the conference. As per their remarks the purpose of conference was satisfied to their utmost satisfaction. The eminent speakers and chairpersons from NITs & other institutes were also happy with the quality of work presented and overall management of the event.

The details of the Prizes and Awards received by the Participants are as follows:

Best Paper First Prize: Rs 3,000 /-, to Shri Chhaya Patel

Best Paper Second Prize: Rs. 2,000 /- to Shri Trupti Manik

Best Paper Third Prize: Rs. 1,000 /- to Shri Anand D Pandya

Best Paper Presentation Prize: Rs. 2000/- to Shri Chhaya Patel



Dr. P S Avadhani,
Professor,
Computer Science & Engineering Department
Andra University, Vishakhapatnam keynote
address on **“Issues In Information
Security”**



Dr O G Kakde, Associate Professor, Computer Engineering Department, VNIT, Nagpur Key note Address on “Trends in C Code Optimization”

Dr D C Jinwala, Head & Associate Professor, Computer Engineering Department, SVNIT, Surat Key note address on “Secure Data Aggregation in Wireless Sensor Networks”





Dr .V Nagalaxmi, Professor, Master of Computer Application Department, GITAM University, Vishakhapatnam key note address on **“Web Security”**

Dr. Ramachandran V Pujeri, Professor, Computer Engineering Department, KITE, Coimbatore key note address on **“Need of Cloud Computing”**





Mr. Anand D Pandya of DDU receiving award of Rs. 1000/- in Computer Engineering Department from Prof. Sumitra Menaria, Head, Computer Science & Engineering Department for his paper on Compression of Enhanced Overlay Scheme and Multipath Ring Routing Scheme for Wireless Sensor Network.