

A
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NATIONAL CONFERENCE ON TECHNOLOGY AND MANAGEMENT
(NCTM) 2012
20-21, JANUARY 2012



Organized By
SANKALCHAND PATEL COLLEGE OF ENGINEERING,
VISNAGAR, INDIA

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RESEARCH PAPERS ARE INVITED FOR

Track 1 (Civil Engineering)

1. Transportation Engineering
2. Water Resource Engineering
3. Geotechnical Engineering
4. GIS & Remote Sensing
5. Structural Engineering

Track 2 (Mechanical Engineering)

1. CAD/CAM/CIM/Robotics
2. Machine Design
3. Thermal and Fluid Engineering
4. Manufacturing Processes & Simulation
5. Non Traditional Machining
6. Automobile Engineering
7. Nanotechnology and Nano materials
8. Materials and Metallurgy
9. Welding Technology

Track 3 (Electronics & Communication)

1. Data Communication
2. Wireless Communication
3. VLSI/Microelectronics
4. Signal Processing
5. Image Processing
6. Advanced Digital Communication
7. RF/Microwave
8. Optical Communication
9. Embedded Applications

Track 4 (Electrical Engineering)

1. Power Systems
2. Power Electronics
3. Power Quality
4. Advance Electrical Machines
5. Renewable Energy Sources

Track 5 (Information Technology/Computer Science & Engineering)

1. Algorithms
2. Artificial Intelligence & Expert Systems
3. Compiler and Interpreters
4. Computational Intelligence
5. Computer Network
6. Computer Organization & Architecture
7. Data Compression
8. Data Mining & Warehousing
9. Distributed and Parallel Computing
10. Distributed Systems
11. Grid/Cluster/Cloud Computing
12. High Performance Computing
13. Image Processing
14. Operating Systems
15. Security & Cryptography
16. Software Engineering
17. Ubiquitous Computing

Track 6 (Business Management)

1. Business Strategy
2. Change Management and Organizational Development
3. Entrepreneurship
4. Humanities in arts and business
5. International business
6. Management, education, training and development
7. Managerial and organizational cognition and psychology
8. Marketing and consumer behaviour
9. Organizational behaviour
10. Production and operations management
11. Research methods
12. Financial services
13. Stock markets



INVITED GUESTS ON INAUGURATION FANCTION OF NCTM: (FROM L TO R) MS. TARANA PATEL CHATTERJI (FOUNDER, LearnEd, Inc., USA), DR. L. N. PATEL (HON. VC, GANPAT UNIVERISTY, KHERVA), SHRI. B. C. PATEL (CHAIRMAN, NSVKM, VISNAGAR), DR. AKSHAI AGGARWAL (HON. VC, GTU, AHMEDABAD), SHRI. MAHENDRABHAI N. PATEL (CHIARMAN, MAMTA GROUP OF INDUSTRIES, AHMEDABAD), DR. NARROTAM SAHOO (ADVISOR, GUJCOST, GANDHINAGAR), DR. H. N. SHAH (PRINCIAPL, SPCE, VISNAGAR)



FLORAL WELCOME OF GUESTS



SPEECH BY GUESTS



Chief guest : Dr. Akhai Aggarwal 's speech



Presidential speech by Shri B. C. Patel



Speech by Dr. Narrotam Sahoo, Member Secretary, GUJCOST, Gandhinagar



Key Note Address on “The Future Requires Unlearning:” by Shri. M. N. Patel



Conference Report by Dr. H. N. Shah, Princiapl, SPCE, Visnagar



Vote of thanks: Prof.G. D. Makwana, Coordiantor – NCTM 2012

Audience



Details of Invited Speakers

Sr. No.	Name & Designation & Affiliation	Track & Session Topic
1	Dr. P. J. Gundaliya, Associate Professor, Civil Department, LECE, Morbi	Civil Engineering “Recent computing trends in Civil Engineering”.
2	Dr. A. A. Shaikh, Associate Professor, Mechanical Engg. Deptt,SVNIT, Surat	Mechanical Engineering “Laser Machining”
3	Dr. D. J. Shah, Principal, LCIT, Bhandu	Electronics & Communication Engineering : "Post Silicon debug Issues"
4	Dr. B. N. Suthar, Associate Professor, Electrical Department , I.DCE, Ahmedabad	Electrical Engineering “AI applications to Power System.”
5	Prof. Bhavesh N. Gohil, Asst. Prof., Computer Engineering Department, SVNIT,Surat	Information Technology/Computer Science & Engineering “Focused Crawling(Search Engine Technologies)”
6	Dr. Mahendra S. Sharma, Professor & Head, VMPIM, Ganpat University, Kherva	Business Management “Evolution of Services Marketing”
7	Prof. Kiran R. Amin, Asso. Prof., Computer Engineering Department , UVPCE, Kherva	Information Technology/Computer Science & Engineering – Session Chair

Sr. No.	Name & Designation & Affiliation	Track & Session Topic
8	Dr. P.M. George, Associate Prof. & Head, Mechanical Deptt.,BVM College, V. V. Nagar	Mechanical Engineering “Geometric dimensioning and tolerancing (GD&T) for Economic Manufacturing”
9	Dr. R. A. Thakkar, Asso. Prof., Electronics Deptt. VGEC, Chndkheda Ahmedabad	Electronics & Communication Engineering “Organic Electronics and RFID”
10	Dr. P. N. Tekwani, Professor & Section Head, Electrical Department, Nirma University, Ahmedabad	Electrical Engineering "Developments and Research Avenues in the Field of Power Electronics"
11	Dr. Narendra C. Chauhan Asso. Prof., Computer Department, ADIT, V.V. Nagar.	Information Technology/Computer Science & Engineering "Soft Computing Methods for Engineering Design Applications"
12	Dr. Narayan Baser, Associate Professor - MBA Programme Shri J. P. I. B.M.C.A, Gandhinagar	Business Management – Session Chair

Conference Summary: A GUJCOST sponsored National Conference on Technology and Management (NCTM-2012) has been held at Sankalchand Patel College of Engineering (SPCE), Visnagar during 20-21 January 2012. The aim of the conference was to bring together researchers, eminent scientists, engineers, and scholar students in the areas of Engineering, Technology and Management from academia, industries and R&D organizations across India.

Total 290 research papers were received from all across India by the host. After vigorous review process from 81 prominent reviewers, 215 research papers were selected, among which, 174 research papers were registered. During the conference, 142 research papers were presented by their concerned authors. The exhaustive list of institutes from where the papers were received includes I.I.M., I.I.T., N.I.T., I.S.R.O., I.P.R., Nirma etc. Apart from Gujarat, researchers have actively participated from Maharashtra, Punjab, Uttarpradesh, Madhyapradesh, Rajasthan, Tamilnadu, Uttarakhand and Orissa. The conference was associated with various technical organizations such as Gujarat Technological University (GTU) Ahmedabad, IEEE Gujarat Section, the Institute of Electronics & Telecommunication Engineers (IETE), Ahmedabad centre Indian Society of Technical Education (ISTE) Gujarat Section, Computer Society of India (CSI) Ahmedabad Chapter & The International Neural Networks Society's India Regional Chapter (INNS-India).

There were six tracks in the conference, and for every track, best two student papers were awarded 'Best Paper Award' as well as a cash prize of Rs. 10,000/- for first best paper and Rs. 5,000/- for second best paper.

For all tracks, 'Young Scientist Award' with cash prize worth Rs. 3,000/- was awarded in Academician/Industrialist Category.

Selected best papers (Track Wise) will be (post) published in International Journal of Science & Technology (ISSN: 2229-7677) and Paripex - Indian Journal of Research (ISSN: 2250-1991) at free of cost. During the conference, expert talks on advanced topics were organized for every track, which benefited to the participants.

During the inaugural ceremony of the event, eminent personalities from academia and industries remained present such as - Chief guest Dr. Akshai Aggarwal (Hon. VC, Gujarat Technological University), Guest of honors - Shri Mahendra N. Patel (Chairman, Mamata group of industries and President, GCCI-Ahmedabad) - Dr. Narottam Sahoo (Adviser, Gujarat Council on Science and Technology, Gandhinagar. – Ms. Tarana Patel Chatterji (Founder, LearnEd. Inc., USA). During valedictory ceremony Prof. M. N. Patel (Member secretary, ACPC and Principal, L.D. College of Engineering, Ahmedabad), Dr. L. N. Patel (Hon. VC, Ganpat University, Kherva) and Dr. G. P. Vadodaria (Registrar & Controller of Examination, GTU) spared their valuable time.

After successful completion of the event, the Chairman of the trust, Shri B. C. Patel congratulated Principal Dr. H. N. Shah, Coordinators Prof. G. D. Makwana and all the faculty and staff members of SPCE. Principal Dr. H. N. Shah expressed his willingness to organize the same kind of event in 2014.

Dr Akshai Aggarwal Interacted With Students Of SPCE



VALEDICTORY FUNCTION



(From L To R) Prof. G.D. Makwana (Coordinator), Dr. G. P. Vadodaria (I/c Registrar- GTU), Dr. L. N. Patel (Hon. VC, Ganpat University, Kherva), Shri. B.C. Patel (Chairman, NSVKM, Visnagar), Prof. M. N. Patel (Principal, L.D. C. E. , Ahmedabad), Shri. M.L. Patel (Secretary, NSVKM, Visnagar), Dr. H. N. Shah (Principal, SPCE)

SPEECH OF GUEST



Prof. M. N. Patel



Shri. B. C. Patel



Dr. G. P. Vadodaria



Dr. H. N. Shah



Dr. L. N. Patel

Detail of award

Sr No	Prize	Title of Paper	Name of Winner	Remarks
1	Second "Best Student Paper Award" - Civil	Innovative Use Of FRP Bars Replacing Ms Bars	Nikhil H. Solanki, BVM, V.V. Nagar	Rs. 5000 & Certificate of Merit
2	First "Best Student Paper Award" - Civil	Pedestrian Safety A Challenge For The Urban Area Traffic Management	Thaker Nikunj V, L.D. College Of Engineering, Ahmedabad.	Rs. 10,000 & Certificate of Merit
3	Second "Best Student Paper Award" - Mech	Effect Of Egr Rate & Injection Timing On The Performance & Emissions In Diesel Engine-A Review."	Mukesh R. Zala, L.D. College Of Engineering, Ahmedabad.	Rs. 5000 & Certificate of Merit
4	First "Best Student Paper Award" - Mech	Performance Evaluation Of Biomass Combustor Cum Hot Air Generator Integrated With Drying System	Sachinkumar Ghanchi, Parul Institute Of Engineering And Technology, Limda,	Rs. 10,000 & Certificate of Merit
5	Second "Best Student Paper Award" - EC	Automatic Detection Of Fade And Dissolve Effect In Compressed Domain Using D.C Image Concept	Patel Laukikkumar K, CHARUSAT University, Changa	Rs. 5000 & Certificate of Merit
6	First "Best Student Paper Award" - EC	Implementation of Low Coast High Accuracy Electronic Weighing Machine Design with Efficient Use Of 24-bit Sigma-Delta ADC	Satish M. Kataria, Sankalchand Patel College of Engineering, Visnagar	Rs. 10,000 & Certificate of Merit
7	Second "Best Student Paper Award" - EE	Design & Implementation of Speed Control of DC Motor Using PIC 16F877A	Payal P Raval, Nirma University, Ahmedabad	Rs. 5000 & Certificate of Merit
8	First "Best Student Paper Award" - EE	Discrimination of Fault from Nonfault Event in Transformer using Concept of Symmetrical Component	Suchita Sardey, GCOE, Amrawati. Maharastra	Rs. 10,000 & Certificate of Merit
9	Second "Best Student Paper Award" - CE/IT	Comparisons Of Various Cloud Computing Platforms Offering Storage As A Service	Bhargav Gor, Parth Barot, Sankalchand Patel College of Engineering, Visnagar	Rs. 5000 & Certificate of Merit
10	First "Best Student Paper Award" - CE/IT	ANN Based ECG Classification	R. N. Begum, Indian Institute of Technology Roorkee, India	Rs. 10,000 & Certificate of Merit

11	Second “Best Student Paper Award” - BM	Consumer Demographics And Factor Of Store Choice: A Study In Reliance Fresh Store	Hardik M. Mistri, Sabar Institute of Management, Gandhinagar	Rs. 5,000 & Certificate of Merit
12	First “Best Student Paper Award” - BM	“I Feel Case-Study Method Of Teaching Is”...Students Speaks!!	Dhara Jha, IIM-Indore	Rs. 10,000 & Certificate of Merit
13	“Young Scientist Award” - Civil	Effect Of Physical And Chemical Properties Of Fine Grained Soil On Extraction Rate Of Electro Kinetic Remediation	MAUNI N. MODI, Hasmukh Goswami College of Engineering Vahelal	Rs. 3,000 & Certificate
14	“Young Scientist Award” - Mech	Performance Analysis Of CPC Water Heater	V.K.Patel, Sankalchand Patel College of Engineering, Visnagar	Rs. 3,000 & Certificate
15	“Young Scientist Award” - EC	MICs Fabrication from Substrate Cleaning to Pattern Delineation for Cr-Cu-NiP-Au Metallized Alumina Substrates using Direct LASER Write Technique	R.K.Sharma, Space Applications Centre (ISRO),Ahmedabad	Rs. 3,000 & Certificate
16	“Young Scientist Award” – EE	800kw Wind Turbine Detail Modeling Wind Turbine Model With Pitch Control	Sidharth Joshi, RK University, Rajkot	Rs. 3,000 & Certificate
17	“Young Scientist Award” - CE/IT	-NA-	-NA-	
18	“Young Scientist Award” - BM	Comparative Study Of Store Selection Factors For Consumer Electronics Stores.	Chirag B. Rathod, Sankalchand Patel College of Engineering, Visnagar	Rs. 3,000 & Certificate

AWARDEES



PRESS NOTE

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Visnagar

તા. ૬-૨-૨૦૧૨, સોમવાર

સાંકળચંદ એન્જી.કોલેજ ટેકનોલોજી અને મેનેજમેન્ટ ઉપર પરિસંવાદ યોજાયો

(પ્ર.ન્યુ.સ.) વિસનગર, રવિવાર તાજેતરમાં સાંકળચંદ પટેલ કોલેજ ઓફ એન્જીનીઅરીંગ, વિસનગર ખાતે તા. ૨૦ અને ૨૧ જાન્યુઆરી ૨૦૧૨ના દરમિયાન ટેકનોલોજી અને મેનેજમેન્ટ વિષય પર દ્વિદિવસીય પરિસંવાદ નું આયોજન કરવામાં આવ્યું હતું. આ પરિસંવાદ નો મુખ્ય હેતુ ટેકનોલોજી અને મેનેજમેન્ટનો વિવિધ ક્ષેત્રો ના સંશોધનકર્તા, વિખ્યાત વૈજ્ઞાનિકો અને વિદ્યાર્થીઓને એક મંચ પુરો પાડવો એમ હતો.

કુલે ૨૮૦ જેટલા સંશોધનો પત્રો સંસ્થા દ્વારા મેળવવામાં આવ્યા. જેમાંથી ૮૦ જેટલા વિવેચકોએ ૨૧૫ સંશોધનપત્રો પસંદ કરવામાં આવ્યા જ્યારે ૧૭૪ સંશોધન પત્રોની નોંધણી થઈ હતી. જેમાં ૧૪૨ સંશોધન પત્રો રજૂ કરવામાં આવ્યા હતા. ભારતના વિવિધ રાજ્યો જેવાકે મહારાષ્ટ્ર, પંજાબ, ઉત્તર પ્રદેશ, મધ્ય પ્રદેશ, રાજસ્થાન, તમિલનાડુ, ઉત્તરાખંડ, અને ઓરિસ્સા તદ ઉપરાંત આઈ.આઈ.એમ., આઈ.આઈ.ટી, એન.આઈ.ટી, ઈસરો નીરમા જેવી સંસ્થાઓના સંશોધકોએ પણ પરિસંવાદમાં ભાગ લીધો હતો. IEEE, IETE, ISTE, CSI અને INNS-ઈન્ડિયા જેવી સંસ્થાઓના સહયોગ પણ પરિસંવાદને સાંપડ્યો હતો. પરીસંવાદ ૬ અલગ સ્તરોમાં વહેંચાયેલો હતો. તે અંગે પ્રથમ શ્રેષ્ઠ

રૂ.૫ હજાર અને યુવા વૈજ્ઞાનિકનું પરિતોષિત રૂ.૩ હજાર એનાયત કરવામાં આવ્યું હતું. પસંદગી પામેલ સંશોધનપત્રો International Journal of Science and Technology and Paripex- India Journal મા પ્રકાશિત કરવામાં આવશે. ઉદ્ઘાટન સમારંભમાં શિક્ષણ તેમજ ઉદ્યોગ જગતના વિખ્યાત લોકો ઉપસ્થિત રહ્યા હતા. જેવાકે ડૉ.અક્ષય અગ્રવાલ (ઉપકુલપતિ જી.યુ.ટી.) શ્રી મહેન્દ્ર એન. પટેલ (પ્રમુખ GCCI અમદાવાદ), ડૉ.નરોત્તમ સાહુ (સલાહકાર GUJCOST) શ્રીમતી તરાના પ્રટેલ ચેટરજી (સંસ્થાપક LearnEd.Inc. USA) જ્યારે સમાપન સમારંભમાં પ્રો.એમ.એન.પટેલ, (આચાર્ય એલ ડી એન્જીનીઅરીંગ કોલેજ અમદાવાદ) ડૉ.એલ.એન. પટેલ, (ઉપકુલપતિ ગણપત વિશ્વવિદ્યાલય) અને ડૉ.જી પી વડોદરિયા (રજીસ્ટ્રાર જી.ટી.યુ) વગેરે એ સમારંભની શોભા વધારી હતી. પરિસંવાદની સફળતા માટે ટ્રસ્ટના પ્રમુખ શ્રી બી સી પટેલે આચાર્ય ડૉ. એચ.એન.શાહ, કો ઓર્ડીનેટર પ્રો.જી.ડી.મકવાણા, પ્રો.પી.જે.પટેલ, તથા સર્વે ફેકલ્ટી અને સ્ટાફ ગણને અભિનંદન પાઠવ્યા હતા.

વિસનગરમાં ટેકનોલોજી-મેનેજમેન્ટ વિષય પર પરિસંવાદ

વિસનગર : વિસનગરની સાંકળચંદ પટેલ કોલેજ ઓફ એન્જીનીયરીંગ કોલેજ ખાતે ૨૦મી અને ૨૧મી જાન્યુઆરીના રોજ ટેકનોલોજી અને મેનેજમેન્ટ વિષય પર દ્વિદિવસીય પરિસંવાદનું આયોજન કરવામાં આવ્યું હતું. પ્રથમ શ્રેષ્ઠ વિદ્યાર્થી પત્રનું ઈનામ રૂ. ૧૦ હજાર, દ્વિતીય રૂ. ૫ હજાર અને યુવા વૈજ્ઞાનિકનું પરિતોષિત રૂ. ૩ હજાર એનાયત કરવામાં આવ્યું હતું. ઉદ્ઘાટન સમારંભમાં ડૉ.અક્ષય અગ્રવાલ (ઉપકુલપતિ જી.ટી.યુ.) મહેન્દ્ર એન. પટેલ (પ્રમુખ જી.સી.સી.આઈ. અમદાવાદ), ડૉ.નરોત્તમ સાહુ (સલાહકાર ગુજ.કોસ્ટ), તરાના પટેલ ચેટરજી, જ્યારે સમાપન સમારંભમાં પ્રો.એમ.એન.પટેલ (આચાર્ય એલ.ડી.એન્જી. કોલેજ, અમદાવાદ), ડૉ.એલ.એન.પટેલ (ઉપકુલપતિ ગણપત વિશ્વવિદ્યાલય) અને ડૉ.જી.પી.વડોદરિયા (રજીસ્ટ્રાર જી.ટી.યુ.) વગેરેએ સમારંભની શોભા વધારી હતી. પરિસંવાદની સફળતા માટે ટ્રસ્ટના પ્રમુખ બી.સી.પટેલે આચાર્ય ડૉ.એચ.એન.શાહ, કો ઓર્ડીનેટર પ્રો.જી.ડી.મકવાણા, પ્રો.પી.જે.પટેલ તથા સર્વે ફેકલ્ટી અને સ્ટાફ ગણને અભિનંદન પાઠવ્યા હતા.

૦૧/૦૨/૨૦૧૨ સંદેષ