

## Patrons

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**Sh. R. S. Patel**, Vice Chairman, NSVKM, Visnagar  
**Sh. M. L. Patel**, Secretary, NSVKM, Visnagar

## Convenor

**Dr. H. N. Shah**, Principal, SPCE

## Coordinator

**Prof. G. D. Makwana**, Assistant Professor, (EC)  
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## Co-coordinator

**Prof. P. J. Patel**, Associate Professor, (EE)  
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## National Advisory Committee

### Track 1 : Civil Engineering

**Prof. M. N. Patel**, LDCE, Ahmedabad  
**Dr. M. Parida**, IIT-Roorkee  
**Dr. S. S. Jain**, IIT-Roorkee  
**Dr. S. L. Dinghra**, IIT- Bombay  
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**Dr. P. J. Gundaliya**, LDCE, Ahmedabad  
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**Dr. R. Jayaganthan**, IIT-Roorkee  
**Dr. A. A. Shaikh**, NIT, Surat  
**Dr. A. K. Saha**, NIT, Durgapur

### Track 3 : Electronics and Communication Engineering

**Dr. T. Srinivasan**, IISc, Bangalore  
**Dr. Sanjiv Gupta**, DAIICT, Gandhinagar  
**Dr. Deepak Godgaonkar**, DAIICT, Gandhinagar  
**Dr. D. J. Shah**, LCIT, Bhandu

### Track 4 : Electrical Engineering

**Dr. R. P. Maheswari**, IIT-Roorkee  
**Dr. B. R. Parekh**, BVM, Vallabh Vidyanagar  
**Dr. B. N. Suthar**, LDCE, Ahmedabad  
**Dr. Bhavesh Bhalja**, ADIT, Vallabh Vidyanagar

### Track 5 : Information Technology/Computer Science and Computer Engineering

**Prof. B. V. Buddhadev**, LDCE, Ahmedabad  
**Dr. Apruva M. Shah**, GHPCE, V.V. Nagar  
**Dr. Apurva A. Desai**, VNUGU, Surat  
**Dr. Narendra Chauhan**, ADIT, Vallabh Vidyanagar

### Track 6 : Business Management

**Dr. B.A. Prajapati**, North Gujarat University, Patan  
**Dr. Mahendra Sharma**, Ganpat University, Kherva  
**Dr. Pratik Modi**, IRMA, Anand  
**Dr. Akash Patel**, PDP, Gandhinagar  
**Dr. V. D. Garg**, Punjabi University, Patiala  
**Dr. Shivkumar**, Jiwaji University, Gwalior

## Conference Attractions

- For Student category, '**Best Paper Award**' with a cash prize of ₹ 10,000/- for first best paper and ₹ 5,000/- for second best paper in each track.
- For Academician and Industrialist category, '**Best Paper Award**' with a cash prize of ₹ 3,000/- in each track.
- Eminent speakers from IITs, NITs & Universities will deliver expert sessions on recent trends of various disciplines for Technology and Management.

## Important Dates

**Submission Deadline** : **November 1, 2011**  
**Notification of Acceptance** : **December 1, 2011**  
**Last Date of Registration** : **December 15, 2011**  
**Conference Dates** : **January 20-21, 2012**  
**For online paper submission, please send e-mail to** [nctm2012@spcevng.ac.in](mailto:nctm2012@spcevng.ac.in)

In Association with



# NCTM 2012

20-21 January 2012

## National Conference on Technology and Management



Organized by

**Sankalchand Patel College of Engineering**

Sankalchand Patel Sahakar Vidyadham,  
Gandhinagar-Ambaji State Highway Link Road,  
Kamana Char Rasta, Visnagar-384315,  
Dist: Mehsana, Gujarat, India  
[www.spcevng.ac.in/nctm2012](http://www.spcevng.ac.in/nctm2012)  
Email: [nctm2012@spcevng.ac.in](mailto:nctm2012@spcevng.ac.in)



## Objectives of Conference

NCTM 2012, being organized for the first time will be a biennial event hence forth. The Conference will provide the professionals from academic institutions, research laboratories and industry a forum to meet and discuss common issues pertaining to technology and management.

## About SPCE

Sankalchand Patel College of Engineering (SPCE), Visnagar, Gujarat, established in 1999 is a flagship institute of Nootan Group of Institutions, run by Nootan Sarva Vidhyalaya Kelavani Mandal (NSVKM), Visnagar. SPCE is affiliated with Gujarat Technological University, Ahmedabad, Gujarat, and its courses are approved by AICTE, New Delhi. It is a premier and one of the leading educational institutes in Gujarat.

SPCE accommodates 8 departments running 6 undergraduate courses namely Computer Engineering, Information Technology, Mechanical Engineering, Civil Engineering, Electronics & Communication Engineering, Electrical Engineering and 5 post-graduate courses namely Master of Engineering in Mechanical Engineering (CAD/CAM), Electronics & Communication Engineering (Wireless Communication Technology), Electrical Engineering (Power Systems), MCA and MBA. It has more than 180 skilled faculties and around 2500 students.

## Call for Paper

Original unpublished papers on relevant theme are invited from PG students, engineers, faculties, researcher scholars for presentation at conference.

### 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 Engineering

1. Data Communication
2. Wireless Communication
3. VLSI/Microelectronics
4. Signal & Image Processing
5. Advanced Digital Communication
6. RF/Microwave
7. Optical Communication
8. 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 & Computer 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. Marketing Management
8. Consumer Behaviour
9. Organizational Behaviour
10. Production and Operations Management
11. Research Methods
12. Financial Services
13. Stock Markets

The full papers are also invited for multi-disciplinary research areas as well as other relevant research areas not listed above. For paper format and guidelines for authors, please visit the conference website.

### For Registration

1. Download the registration form from the conference website.
2. Send the filled registration form and full papers by post or email to "**Co-ordinator - NCTM 2012, Sankalchand Patel College of Engineering, Visnagar.**"
3. The registration fee can be paid by 'Demand Draft in favour of "**Sankalchand Patel College of Engineering**" payable at Visnagar

### Accommodation

Accommodation will be provided first come first serve basis in hostel. Those who require accommodation facility in hotel have to pay extra in addition to registration fee.

### Registration Fee

<b>Student</b>	<b>: ₹ 1000</b>
<b>Academician</b>	<b>: ₹ 1500</b>
<b>Industrialist</b>	<b>: ₹ 3000</b>

Registration fee includes participation in all sessions, softcopy of conference proceedings, lunch, dinner and refreshments.



# Sankalchand Patel College of Engineering, Visnagar

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## NCTM 2012

NATIONAL CONFERENCE ON TECHNOLOGY AND MANAGEMENT

(20-21 January, 2012)

### Call for papers

**Track 1 :**  
Civil Engineering

**Track 2 :**  
Mechanical Engineering

**Track 3 :**  
Electronics and Communication

**Track 4 :**  
Electrical Engineering

**Track 5 :**  
Information Technology/Computer  
Science & Computer Engineering

**Track 6 :**  
Business Management

### Conference Attractions

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- Total Prizes of more than **₹ 1,00,000/-**

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For registration and more updates please visit

[www.spcevng.ac.in/nctm2012](http://www.spcevng.ac.in/nctm2012)

### Contact us

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Shri B. C. Patel  
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