



# বাংলাদেশ প্রকৌশল বিশ্ববিদ্যালয়

উপদেশ, প্রসারণ ও গবেষণা কার্যক্রম পরিদপ্তর

ঢাকা-১০০০, বাংলাদেশ

পরিচালক

টেলিফোন: ৯৬৬৩১২৯ (অফিস), পিএবিএক্স: ৯৬৬৫৬৫০-৮০, ৮৬১৬৮৩৩-৩৮, ৮৬১৪৬৪০-৪৪, ৮৬১৮৩৪৪-৪৯/৭৩৫৪, ৭৪৯৩, ৭৫১৫ (অফিস)  
Fax: +880 2 9665622 Email: daers@buet.ac.bd

নং-ডিএইআরএস/CASR/F-7/বিবিধ/ICETE-2013-Inida/ডিআর- ৩৫৪(৫)

তারিখ- ২৪/০৩/২০১৩

বিভাগীয় প্রধান,  
যন্ত্রকৌশল/ পুরকৌশল /তড়িৎ ও ইলেকট্রনিক কৌশল/  
কম্পিউটার সায়েন্স কৌশল বিভাগ  
পরিচালক, আই. আই. সি. টি  
বাংলাদেশ প্রকৌশল বিশ্ববিদ্যালয়, ঢাকা-১০০০।

বিষয়ঃ **International Conference on Emerging trends in Engineering (ICETC-2013)**  
**during 15-16 May-2013, Karkala, INDIA.**

উপরোক্ত বিষয়ে NMAM Institute of Technology for Karnataka State, INDIA থেকে প্রাপ্ত স্ব-  
ব্যাক্ষ্যায়িত পত্র ও তদসংযুক্তিসমূহ অবগতি ও প্রয়োজনীয় কার্যার্থে এতদসঙ্গে প্রেরিত হলো। উল্লেখ্য, বিষয়টি ব্যাপক  
প্রচারের ব্যবস্থা গ্রহণের জন্য অনুরোধ জানানো যাচ্ছে।

উক্ত Conference সম্পর্কিত যাবতীয় তথ্যাদি **website: [www.icete-nitte.in/](http://www.icete-nitte.in/)** (ii) E-mail: [icete\\_nitte@nitte.edu.in](mailto:icete_nitte@nitte.edu.in) থেকে সংগ্রহ করার জন্য অনুরোধ জানানো যাচ্ছে।

ধন্যবাদান্তে,

  
(অধ্যাপক ডঃ সেখ রিয়াজ আহমেদ)  
পরিচালক, ডি এ ই আর এস

অবগতির জন্য অনুলিপিঃ

নং-ডিএইআরএস/CASR/F-7/বিবিধ/ICETE-2013-Inida/ডিআর- ৩৫৪(৫)/২

তারিখ- ২৪/০৩/২০১৩

- ১। পিএস টু ভিসি (মাননীয় ভিসি মহোদয়ের সদয় অবগতির জন্য), বাংলাদেশ প্রকৌশল বিশ্ববিদ্যালয়, ঢাকা।
- ২। রেজিস্ট্রার, বাংলাদেশ প্রকৌশল বিশ্ববিদ্যালয়, ঢাকা।

hp/Drive-F/CASR Let/All Head (Bangla page) 6/2013

Dr. Riaz Ahmed (P)



# NMAM INSTITUTE OF TECHNOLOGY

(An Autonomous Institution affiliated to VTU, Belgaum)

(NBA Accredited, ISO 9001:2008 Certified)

Nitte – 574110, Karkala, Udupi District, Karnataka, India



## International Conference on Emerging Trends in Engineering (ICETE - 2013)

MAY 15<sup>th</sup> & 16<sup>th</sup> 2013

Date: 15-02-2013

**Patron:**

Sri N. Vinay Hegde  
Chancellor, Nitte Univeristy  
President, Nitte Education Trust

**General Chair:**

Dr. Niranjana N. Chiplunkar  
Principal, NMAM Institute of Technology, Nitte

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Professor & Head, Mechanical

**Coordinators:**

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Dr. Narasimha Marakala  
Assoc. Professor, Mechanical

**Programme Committee Members:**

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Dr. I.R. Mithanthaya, Vice Principal & Dean  
(Academics)  
Dr. Sudesh Bekal, Dean (R & D)  
Dr. K.M. Hegde, Director, MCA  
Dr. M.K. Parashuram, Director & HOD, E & C  
Dr. C. Vaman Rao, HOD, Biotechnology  
Dr. Arun Kumar Bhat, HOD, Civil  
Prof. K. Vasudev Shettigar, HOD, E & E  
Prof. Prasanna Kumar HR. CSE  
Dr. R. Balasubramani, HOD, ISE  
Dr. Shashirekha B. Rai, HOD, Maths & Humanities  
Dr. Seetharam Shettigar, HOD, Physics  
Dr. Janardhana Nayak, HOD, Chemistry

**Organizing Committee:**

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Prof. Srinath Shetty K., Resident Engineer  
Prof. K. Rajesh Shetty, Assoc. Prof., E&C  
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Mr. Venkatesh Kamath, Asst. Prof., Biotech  
Mr. Pradeep Kumar, Asst. Prof. E & E  
Prof. Narasimha Bailkeri, Asst. Prof., Mech.  
Mr. Nithin Kumar, Asst. Prof., Mech.  
Mr. Sundip Shenoy, Asst. Prof., Civil  
Dr. Ramesh Bhat, Asst. Prof., Chemistry

To,

The Director  
Bangladesh University of Engineering & Technology

Dear Sir / Madam,

Sub: International Conference on Emerging Trends in Engineering  
(ICETE-2013) – Reg.

NMAM Institute of Technology, Nitte has been organizing this event as a forum for PG students, research scholars and industry professionals to deliberate explore and contribute their research in different fields of engineering and technology at the national level. Since 2011, this event is being organized as an International event, with active participation of speakers from renowned Universities in the world.

This event is being organized this year during May 15<sup>th</sup> and 16<sup>th</sup> 2013. This event brings researchers, academicians and professional engineers from all over the country and outside to deliberate upon recent developments in different fields of science and technology.

The conference comprises of 4 tracks – Computer Science & Engg., Mechanical Engg., Electrical, Electronics & Communication Engg. and Civil Engg. The various topics, but not limited to these, under each track are given in the enclosed conference brochure. In each stream, specific tutorials will be conducted by experts from Industry and Institutions.

All papers submitted will be peer reviewed and accepted papers will be published in the Conference Proceedings with ISBN number. The best papers selected from each track will be published in the forthcoming issue of the NMAMIT Annual Research Journal.

We request you to give wide publicity for the above event by displaying the brochure on all the notice boards and encourage your faculty members, research scholars and PG students to contribute to this event by sending their research papers and actively participate in the deliberations of this two day international event.

Hoping for receiving a good response from your organization.

Thanking You.

With Warm Regards

(Dr. Niranjana N. Chiplunkar)  
General Chair – ICETE - 2013

**Patron:**

Sri N. Vinay Hegde  
Chancellor, Nitte University  
President, Nitte Education Trust

**General Chair:**

Dr. Niranjan N. Chiplunkar  
Principal, NMAM Institute of Technology, Nitte

**Programme Committee Chair:**

Dr. K. Subrahmanya Bhat  
Professor & Head, ME

**Coordinators:**

Dr. Srinivas Pai.P, Professor, ME  
Dr. Narasimha Marakala Assoc. Professor, ME

**Programme Committee Members:**

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Dr. I.R. Mithanthaya, Vice Principal & Dean (Academics)  
Dr. Sudesh Bekal, Dean (R & D)  
Dr. K.M. Hegde, Director, MCA  
Dr. M.K. Parasuram, Director & HOD, ECE  
Dr. C. Vaman Rao, HOD, BT  
Dr. Arun Kumar Bhat, HOD, Civil  
Prof. K. Vasudev Shettigar, HOD, EEE  
Prof. Prasanna Kumar H.R, HOD, CSE  
Dr. R. Balasubramani, HOD, ISE  
Dr. Shashirekha B. Rai, HOD, Maths & Humanities  
Dr. Seetharam Shettigar, HOD, Physics  
Dr. Janardhana Nayak, HOD, Chemistry

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Dr. Rathnamala, Assoc. Prof., ECE  
Mr. Venugopal P.S., Asst. Prof., CSE  
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Mr. Pradeep Kumar, Asst. Prof., EEE  
Prof. Narasimha Bailkeri, Asst. Prof., ME  
Mr. Nithin Kumar, Asst. Prof., ME  
Mr. Sundip Shenoy, Asst. Prof., Civil  
Dr. Ramesh Bhat, Asst. Prof., Chemistry

**Important Dates**

Full Paper Submission : March 25th, 2013  
Author Notification : April 15th, 2013  
Camera ready &  
Copyright form Submission : April 30th, 2013  
Author Registration : May 5th, 2013  
Conference Dates : May 15th & 16th, 2013

**Who can send papers?**

Research Scholars & PG Students of Engineering & Technology only

Please send your paper to: [icete\\_nitte@nitte.edu.in](mailto:icete_nitte@nitte.edu.in).

**Kindly mention the track in which you wish to submit the paper.**

**Paper format:**

IEEE format not exceeding 6 pages

Registration Details:

For Foreign Delegates : US \$ 100

For Indian Delegates : Rs.3000/-

**Accommodation:**

Twin sharing accommodation in the institute hostel/guest house can be arranged on request depending on the availability. For more details please visit <http://www.icete-nitte.in/>

**Contact details:****Dr. Srinivasa Pai P.**

Coordinator ICETE -13  
Dept. of Mech. Engg., NMAM Institute of Technology, Nitte  
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**NET**

## INTERNATIONAL CONFERENCE ON EMERGING TRENDS IN ENGINEERING

# ICETE - '13

May 15-16, 2013

(TEQIP FUNDED)



*Organized by*

**Dept. of Mechanical Engineering  
NMAM Institute of Technology**

An Autonomous Institution under VTU, Belgaum  
(A Unit of Nitte Education Trust)  
NITTE-574 110, UDUPI DISTRICT, KARNATAKA

Approved by AICTE, New Delhi  
Accredited by NATIONAL BOARD OF ACCREDITATION  
ISO 9001:2008 CERTIFIED



### About the Institute

NMAM Institute of Technology was established in 1986. The college is affiliated to Visvesvaraya Technological University (VTU), Belgaum and is recognized by the All India Council for Technical Education, New Delhi. It is accredited by the National Board of Accreditation and is certified to the ISO 9001:2008 standards by KEMA, Netherlands. The Institution has been granted Academic Autonomy under the Visvesvaraya Technological University from 2007-08.

The Institute offers under graduate programs in 7 branches of Engineering - Biotechnology, Computer Science & Engineering, Civil Engineering, Electrical & Electronics Engineering, Electronics & Communication Engineering, Information Science & Engineering and Mechanical Engineering. The college offers the following postgraduate programs - Master of Technology, Master of Computer Applications and Master of Business Administration. All departments have been recognized as research centers for offering M.Sc (Engg.) by research & PhD programmes under VTU.

### About the Conference

ICETE-13 (International Conference on Emerging Trends in Engineering) provides an international platform for Post graduate students and research scholars of Engineering & Technology and industry professionals to deliberate, explore and contribute their research findings and to discuss the latest development in the fields of Engineering & Technology. Experts will be conducting tutorials on current topics of relevance in different streams of engineering.

### The Conference comprises 4 tracks

1. Computer Science & Engineering
2. Mechanical Engineering
3. Electrical, Electronics & Communication Engineering.
4. Civil Engineering and related areas.

### Track 1: Computer Science and Engineering

Algorithms	Artificial Intelligence
Software Engineering	Bio-Informatics
Compilers	Computer Architecture & VLSI
Pattern Recognition	Wireless Sensor and Ad hoc Networks
Data Compression	High Performance Computing
Image Processing	Distributed and Parallel Processing
Data Mining	Human Computer Interaction
Mobile Computing	Internet and Web Applications
Neural Networks	Computer Networks & Security
Cloud computing	Theoretical Computer Science

### Track 2: Mechanical Engineering

Alternative refrigerants and systems	Alternative fuel technology
Tribology	Engine Technologies
Condition Monitoring & Maintenance Management	Sustainable Energy Technology
World Class Manufacturing	Energy management

Total Quality Management	Modern Manufacturing Technologies
Knowledge Management	FEM
Heat transfer and Fluid flow systems	Composites and smart materials
Recent advances in Machining	Computational fluid dynamics
	Micromachining & MEMS
	CAD / CAM / CNC

### Track 3: Electrical, Electronics and Communication Engineering

Digital Signal Processing	Micro controllers and Embedded Systems
Coding and Modulation technology	OFDM and Multicarrier System
Multimedia Communication	Remote Sensing and Satellite Communication
Wireless Communication	Power, Instrumentation and Control systems
MEMS / NEMS	Fuzzy Logic / Neural networks

RF Circuit Design	Digital Speech Processing
Biomedical Engineering	Adaptive and Array Signal Processing
Image and Video Compression	Analog and Digital VLSI technologies
Microwave and Optical Communication	Wireless Networks and Cellular Networks
Low power VLSI Design	Control Systems

Wireless LANs and Mesh Networks  
Power system operation, control and stability

### Track 4: Civil Engineering

Alternate materials in construction	Green Building
Environmental Engineering	Architectural Engineering.
Geotechnical Engineering	Water Resources
RS & GIS	Transportation Engineering
Structural Engineering	Construction Project Management

### Note:

- All accepted papers will be published in the Conference Proceedings with the ISBN number.
- The selected best papers will be published in the upcoming issue of NMAMIT Annual Research Journal.

## INTERNATIONAL CONFERENCE ON EMERGING TRENDS IN ENGINEERING

### ICETE - '13

May 15-16, 2013

### Registration form

Name : .....

Affiliation : .....

Department : .....

Research Scholar / PG Scholar : .....

Telephone No. : .....

Email : .....

Accommodation required or not : .....

Registration details : .....

Signature : .....

Date :

Place :

Endorsement by the Head of the Institution

Please send this form to

**Dr. Narasimha Marakala**

Coordinator ICETE-13

Dept. of Mech. Engg.

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