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#### Important Dates

Full Paper Submission ends on : 31<sup>st</sup> March 2017  
Author notification ends on : 22<sup>nd</sup> April 2017  
Camera ready &  
Copyright form Submission ends on : 25<sup>th</sup> April 2017  
Author Registration ends on : 27<sup>th</sup> April 2017  
Conference Dates : 12<sup>th</sup> May 2017

#### Who can send papers?

Research Scholars & PG Students of Engineering & Technology only.

#### How to submit Papers?

The papers are to be submitted through EasyChair Conference Management Tool at  
<https://easychair.org/conferences/?conf=icete2017>. Queries related to the conference may be sent to  
[icete2017@nitte.edu.in](mailto:icete2017@nitte.edu.in)

#### Paper Formats & Ethics:

Visit <http://www.icete-nitte.in> for the paper formats.

All papers must be original and not simultaneously submitted to another journal or conference

#### Registration Fee:

Includes Paper Publication Fee, Conference Kit, Food and Beverages during the conference

For Foreign Delegates : US \$ 100

For Indian Delegates : Rs. 3,000/-

**Publication : All accepted papers will be published in special issue of NMAMIT  
Annual Research Journal with ISSN number.**

#### Accommodation :

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

#### Contact details :

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NITTE



7<sup>th</sup> INTERNATIONAL CONFERENCE  
ON  
EMERGING TRENDS IN ENGINEERING

May 12<sup>th</sup>, 2017



Organized by  
**NMAM Institute of Technology**

An Autonomous Institution

Affiliated to Visvesvaraya Technological University, Belagavi

(A Unit of Nitte Education Trust)

NITTE-574 110, UDUPI DISTRICT, KARNATAKA

URL:<http://nmamit.nitte.edu.in>

Approved by AICTE, New Delhi

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## About the Institute

NMAM Institute of Technology, Nitte, an autonomous Institution under Visvesvaraya Technological University (VTU), Belagavi was established in the year 1986 in memory of Nitte Mahalinga Adyanthaya, a distinguished engineer of the erstwhile Dakshina Kannada district in Karnataka. It is one of the constituent Institutions under Nitte Education Trust, Mangalore, which runs about 36 Institutions in various areas of education right from primary school to post-graduation centers, including professional courses like Engineering, Management, Medical, Nursing, Dental, Paramedical and others. Nitte University, a NAAC accredited A-grade University is run by the Nitte Education Trust founded by late Justice K.S. Hegde, a well-known judge of Supreme Court of India and former speaker of Indian Lok Sabha. The institute is recognized by the All India Council for Technical Education, New Delhi and majority of the programmes are NBA accredited as OBE under tier-1. It has also been certified to the ISO 9001:2008 quality standards by NVT Quality Certification (ANAB accredited) NMAMIT has been recognized as a lead Institute under TEQIP, a world bank sponsored project executed through MHRD, New Delhi. The Institute is having very active MOUs for research and project collaborations with Pennsylvania State University, USA, Ritsumeikan University, Japan and National University of Singapore, Singapore. NMAM Institute of Technology, Nitte offers undergraduate programmes and Research programmes in seven branches of engineering viz: Bio-Technology, Civil Engineering, Computer Science & Engineering, Electronics & Communication Engineering, Electrical & Electronics Engineering, Information Science & Engineering and Mechanical Engineering. The institute also offers Post Graduate (Master of Technology) programmes in Civil Engineering, Computer Science Engineering, Electronics & Communication Engineering, Electrical & Electronics Engineering and Mechanical Engineering, Information Science & Engineering and Bio-Technology. All departments have been recognized as research centers for offering M.Sc. (Engg.) & Ph.D. programmes under VTU. The Institute also offers post-graduation and research programmes in Computer Applications and Business Management and Ph.D. programmes in Basic Sciences and Mathematics.

The Institute is located on the Padubidri-Karkala State Highway which is well connected with Mangalore (60KM) and Udupi/Manipal (45Km) through NH66 & NH169. The participants can alight at Mangalore or Udupi Railway Stations/Bus Terminals, or Mangalore Airport to reach the Institute.

## About the Conference

NMAM Institute of Technology is organizing International Conference on Emerging Trends in Engineering (ICETE) since 2011 and ICETE-2017 is the seventh international conference being conducted at NMAMIT, since its inception. ICETE-2017 provides an international platform for Post-Graduate students, research scholars of Engineering & Technology and industry professionals to deliberate, explore and contribute their research findings and to discuss the latest developments in the fields of Engineering & Technology.

## The Conference comprises of FOUR streams

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

## Thrust Areas

### Stream 1: Civil Engineering & Biotechnology

Advances in Construction Materials and Technology  
Advanced Geospatial Technology for Resource Planning & Management  
Advances in Geotechnical Engineering  
Green and Energy Efficient Buildings  
Impact of Climate Change on Natural Resources & Environment

Biomedical Engineering  
Environmental Biotechnology  
Fermentation Technology  
Food and Agricultural Biotechnology

### Stream 2: Computer Science/Information Science & Engineering

Adhoc, Wireless and Sensor Networks  
Algorithms  
Artificial Intelligence  
Bio-Informatics  
Grid and Cloud computing  
Compilers  
Computer Architecture & VLSI  
Computer Networks & Security  
Data Compression  
Data Mining

### Stream 3: Electrical, Electronics & Communication Engineering

Adaptive and Array Signal Processing  
Analog and Digital VLSI Technologies  
Biomedical Engineering  
Coding and Modulation technology  
Control Systems  
Digital Signal Processing  
Digital Speech Processing  
FACTS  
Fuzzy Logic / Neural networks  
HVDC  
Image and Video Compression  
Industrial Drives  
Low power VLSI Design  
MEMS / NEMS

Integration of Urban Transportation Systems  
Precast, PSC and Composite Constructions  
Rehabilitation and Retrofitting Technology  
Seismic Resistant Design of Structures  
Soft Computing Techniques in Water Resources Engineering

Medical Biotechnology  
Nano Biotechnology  
Pharmaceutical Biotechnology

Distributed and Parallel Processing  
High Performance Computing  
Human Computer Interaction  
Image Processing  
Internet and Web Applications  
Mobile Computing  
Neural Networks  
Pattern Recognition  
Software Engineering  
Theoretical Computer Science

Micro controllers and Embedded Systems  
Microwave and Optical Communication  
Multimedia Communication  
OFDM and Multicarrier System  
Power Electronics  
Power System Operation, Control and Stability  
Power, Instrumentation and Control systems  
Remote Sensing and Satellite Communication  
RF Circuit Design  
Robotics  
Wireless Communication  
Wireless LANs and Mesh Networks  
Wireless Networks and Cellular Networks

### Stream 4: Mechanical Engineering

Alternative refrigerants and systems  
Alternative fuel technology  
CAD / CAM / CNC  
Composites and smart materials  
Computational fluid dynamics  
Condition Monitoring & Maintenance Management  
Energy management  
Engine Technologies  
FEM  
Heat transfer and Fluid flow systems  
Knowledge Management

Micromachining & MEMS  
Modern Manufacturing Technologies  
Recent Advances in Machining  
Robotics and Advanced Automation in manufacturing  
Surface Metrology  
Sustainable Energy Technology  
Total Quality Management  
Tribology  
World Class Manufacturing

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

## Programme Committee Chair :

Dr. Muralidhara, Professor, P.G.Co-ordinator, Dept. of Mechanical Engineering

## Conference Secretary:

Dr. Udaya Kumar K Shenoy, Professor, Dept. of Computer Science and Engineering

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**Computer Science and Information Science :** Prof. Jyothi Shetty, Asso. Professor, Dept. of CSE

**Electronics and Electrical :** Dr. Shivaprakasha, Asso. Professor, Dept. of E&C Engg.

**Mechanical:** Dr. Narasimha Marakala, Professor Dept. of Mechanical Engineering

## Organizing Committee:

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