



**International Conference on  
Civil Engineering Trends and  
Challenges for Sustainability  
(CTCS 2019)**

(Under the Aegis of ICETE 2019 - A Multi Conference Platform)

**May 23-24, 2019 | N.M.A.M.I.T., Nitte**



Publishing Partners

 **NITTE** | **N.M.A.M. INSTITUTE OF TECHNOLOGY**  
EDUCATION TRUST (An Autonomous Institution affiliated to VTU, Belagavi)  
(ISO 9001:2015 Certified), Accredited with 'A' Grade by NAAC

## About the Institute

Nitte Mahalinga Adyanthaya Memorial Institute of Technology (N.M.A.M.I.T.), Affiliated to VTU, Belagavi, is an Autonomous Institution offering UG, PG and Doctoral Programmes. The institute is a unit of Nitte Education Trust, Mangalore. The institute currently offers 7 - UG programmes, 11-M.Tech programmes in Engineering, MBA and MCA programmes. All UG Programmes are accredited by **National Board of Accreditation** (NBA), New Delhi and is a ISO 9001:2015 certified Institution. It has been recognized as a 'Lead Institution' under the World Bank Funded TEQIP programme (both Phase I & II) and also accredited with National Assessment and Accreditation Council (NAAC), New Delhi with 'A' Grade. The Institute is in the band width of 100-150 in National Institutional Ranking Framework (NIRF) ranking - 2018, Government of India.

## About the Department

The Civil Engineering Department was started in 1987 with a UG Programme with an intake of 60. Annual Intake has been increased to 120 from the academic year 2012-13. M.Tech programme in Construction Technology was started in 2010 with an intake of 18 and M.Tech in Structural Engineering in the year 2017 with an intake of 24. The department is also recognized as a Research Centre under VTU, Belagavi offering M.Sc. (Engg.) and Ph.D. programmes. Presently 10 research scholars are pursuing their Ph.D. in the Department. In addition to this, the Department Students Association like OCEAN, IE(I), ISTE organizes seminars, workshops, educational tours, design competitions etc for civil engineering students. The department has taken up Karnataka State Council for Science & Technology (KSCST) and Nitte Deemed to be University funded research projects. The Department undertakes the consultancy and third party inspection from Government and private agencies. The department is recognized as ISRO-IIRS Outreach Center.

Civil Engineering Department is also working on development of Masonry Blocks and Paver Blocks using Industrial Waste Materials under Karnataka New Age Incubation Centre, N.M.A.M.I.T. funded by Dept. of IT, BT, S & T, Govt. of Karnataka. The department has been accredited by NBA for 3 years.

## About the Conference

N.M.A.M. Institute of Technology is organizing International Conference on Emerging Trends in Engineering (ICETE 2019) on May 23 & 24, 2019, which is the 9<sup>th</sup> International Conference since 2011. For the year 2019, in order to focus on the specific issues associated with various Engineering disciplines, the idea of a Multi Conference Platform had been mooted.

INTERNATIONAL CONFERENCE ON EMERGING TRENDS IN ENGINEERING (ICETE 2019) - A MULTI CONFERENCE PLATFORM, will be a collection of several International Conferences with the themes specific to various engineering streams. Besides, there will be an opportunity for students and research scholars of various branches of Engineering & Technology, and industrial professionals to deliberate, present and discuss research papers.

## Keynote Speaker

### **Dr. Mukesh Kashyap**

Senior Lecturer (Construction Management)  
School of Architecture Design and the Built Environment  
Nottingham Trent University, Nottingham, Nottinghamshire, UK

## Invited Speakers

### **Dr. G L Sivakumar Babu**

Professor, Department of Civil Engineering,  
Indian Institute of Science, Bengaluru.

### **Dr. Puttaraju**

Principal,  
SJB Institute of Technology, Bengaluru.

### **Er. Nagesh Puttaswamy**

AGM, Regional Head Technical Services,  
UltraTech Cement Ltd., Bengaluru.

## Theme of the Conference

This year, CTCS 2019 is a part of the Multi Conference which will be a collection of several themes specific to different engineering streams organized under a single umbrella of ICETE 2019 - A Multi Conference Platform.

The theme of the conference is sustainable construction of Structures with new trends and challenges. The four main areas of paper submission are;

### **Construction and Structural Engineering**

Risk Analysis, Safety and Security, Building Materials, Seismic Analysis of Structures, Concrete, Steel & Timber Structures, Composite Structures, Structural Health and Monitoring, Coastal Engineering, Masonry Structures, Offshore structures, Impact on climate change, Affordable Construction and Viability of Public-Private Partnership in Infrastructure Development.

### **Geotechnical Engineering & Transportation Engineering**

Transportation system & Planning, Reinforced Earth Structures, Ground Improvement Techniques, Soil Dynamics, Stability of Earth Retaining Structures, Shallow & Deep Foundations, Rock Engineering & Tunneling, Analytical and Numerical modeling in Geomechanics, Analysis, Soil Conservation, Mitigation and Management of Geo hazards.

### **Environmental Engineering and Water Resource Engineering**

Hydraulics and Water Resources Engineering, Waste Management, Reuse & Recycle technology, Heating, Ventilation and Air Conditioning, Water Conservation -Artificial recharge of ground water, Rain water Harvesting, Estimation of water resources, Interlinking of rivers and Interbasin water management.

### **Surveying and Geographical Information Systems**

Applications of RS & GIS in Civil Engineering such as Satellite Image Analysis and Aerial photogrammetry, Infrastructure Management, Weather Monitoring and Effects of Climate Change.

## **Program Committee**

### **Patron :**

**Sri. N. Vinaya Hegde**, Chancellor, Nitte Deemed to be University,  
President, Nitte Education Trust

### **General Chair :**

**Dr. Niranjana N. Chiplunkar** Principal, N.M.A.M. Institute of Technology, Nitte

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### **Conveners :**

**Dr. Sudesh Bekal**, Dean – R&D

**Dr. Muralidhara**, PG Coordinator

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### **Co-ordinators :**

**Dr. Arunkumar Bhat**, Professor, Civil Engg.

**Mr. Janakaraj M.**, Asst. Professor, Civil Engg.

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Dr. Anil Kumar

Mr. Shriram P Marathe

Mr. Shanmukha Shetty

Mr. Thushar S Shetty

## **Hospitality Committee :**

Mr. Y. R. Suresh

Mr. Y Umashankar Shetty

Mr. Roshan Rai

## **Accommodation/Transportation Committee :**

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Mr. Pushparaj A Naik

Mr. Pradeep Karanth

## **Venue Committee :**

Dr. Anil Kumar

Mr. Shriram P Marathe

Mr. Rakshith Kumar Shetty

Mr. Prithviraj H. K.

## **Secretary :**

**Dr. Gururaj Upadhyaya**

Assistant Professor, Dept. of Mechanical Engg, N.M.A.M.I.T, Nitte

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- **Dr. B.S. Sonde**, Director, ASM Technologies Ltd, Bangalore
- **Dr. G. Hemantha Kumar**, Vice Chancellor, Mysore University, Mysore
- **Dr. Omid Ansary**, Senior Associate Dean and Professor, Penn State University, U.S.A
- **Dr. Samson Ojoawo**, Deputy Dean, Faculty of Engg. & Technology 'LAUTECH', Nigeria
- **Dr. Shripad T. Revankar**, Professor, Purdue University, U.S.A
- **Dr. Shuhaimi Mansor**, Professor, Universiti Teknologi, Malaysia

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Mr. Sabyath Shetty

Ms. Thanushree Hegde

## **Web/Advertise Committee :**

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Ms. Thangamani R

Mr. Manjunath M.

## **Refreshment Committee :**

Mr. Gururaj Acharya

Mr. Prashanth Kumar

## **Miscellaneous :**

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Mr. Sundip Shenoy

Mr. Sushanth S. B.

Dr. Bhojaraja, B.E

Mr. Shaik Kabeer Ahmed

Mr. Ranjith A

### Organizing Committee :

- Sri. Yogeesh Hegde, Registrar (NET Campus)
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- Dr. K Rajesh Shetty, Dean (Admission & Alumni Affairs)
- Dr. Srinath Shetty K, Resident Engineer
- Dr. Srinivas Pai P, Deputy Controller of Examinations
- Dr. Uday Kumar K Shenoy, Professor, Department of Computer Science Engineering
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- Dr. Ramesh Bhat, Associate Professor & Head, Department of Chemistry
- Dr. H. Divakar Bhat, Librarian
- Dr. Rashmi D Hegde, Professor & Head, Department of Humanities
- Mr. Krishnaraja Joisa, Public Relation Officer

### Conference Advisory Committee :

- Dr. Mukesh Kashyap, Senior Lecturer (Construction Management) School of Architecture, Design and the Built Environment, Nottingham Trent University, England
- Dr. G L Sivakumar Babu, Professor, IISc Bengaluru
- Dr. Dharamveer Singh, Associate Professor, IIT Bombay
- Dr. H N Ramesh, Professor & Principal, UVCE, Bengaluru
- Dr. Puttaraju, Professor & Principal, SJBIT, Bengaluru
- Dr. Varghese George, Professor & Head, Civil Engineering, NITK, Surathkal
- Dr. Vipul Prakash, Professor, IIT Roorkee
- Dr. G P Chandradhara, Professor & Head, CT & M, JSS S&T University, Mysuru
- Dr. N. Suresh, Professor & Head, Civil Engg & Director of BFRC, NIE, Mysuru

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- Dr. R Shivashankar, Professor, NITK, Surathkal
- Dr. Katta Venkataramana, Professor, NITK, Surathkal
- Dr. A U Ravishankar, Professor, NITK, Surathkal
- Dr. S Shrihari, Professor, NITK, Surathkal
- Dr. B B Das, Associate Professor, NITK, Surathkal
- Dr. Prashanth J, Assistant Professor, NIT Silchar
- Dr. Umesh B, Assistant Professor, NIT Warangal
- Dr. Kiran Kumar Shetty M, Professor, MIT, Manipal
- Sri. V Madhava Rao, Associate Professor, JSS S&T University, Mysuru
- Dr. N C Balaji, Assistant Professor, NIE Mysuru
- Dr. Nitendar Palankar, Associate Professor, KLS GIT, Belagavi
- Dr. Sanjeev Sangami, Associate Professor, JCE, Belagavi

### Important Dates

Submission of Full length manuscript	: <del>16 Mar 2019</del> 30 Mar 2019
Notification of acceptance	: <del>31 Mar 2019</del> 20 April 2019
Submission of Camera-ready manuscript	: <del>10 Apr 2019</del> 01 May 2019
Last date for registration	: <del>01 May 2019</del> 10 May 2019

### Conference Location – Nitte

The Institute is located on the Padubidri-Karkala State Highway (SH01) which is 10 km away from Karkala, well connected with Mangalore (60 KM) and Udupi/Manipal (45 KM) through NH66 & NH169. The participants can alight at Mangalore or Udupi Railway Stations/Bus Terminals or Mangalore Airport to reach the Institute.

## How to submit research paper?

The papers are to be submitted through EasyChair Conference Management Tool <https://easychair.org/conferences/?conf=ctcs2019>. Queries related to the conference may be sent to [ctcs2019@nitte.edu.in](mailto:ctcs2019@nitte.edu.in).

1. The accepted papers will be subjected to peer review by the publishers.
2. The reviewed and selected papers will be published in either of the publishers as per the request by the Delegates/Researchers at free of cost.
  - a) Proceedings of Institution of Civil Engineers - Civil Engineering - Which is a Scopus Indexed publication, published by Institution of Civil Engineers (ICE) - London.
  - b) Proceedings of Applied Sciences & Engineering - a part of Springer Nature.
3. The paper is to be submitted in IEEE format (Minimum 08 pages) and the template is made available in conference website ([www.ctcs2019.in](http://www.ctcs2019.in)).

The research paper submitted should be original work and should not have been submitted in another conference or journal.



## Registration Fee:

The registration fee can be paid through Demand draft / NEFT. Demand Draft: In favor of "Principal, N.M.A.M.I.T., Nitte", payable at Syndicate Bank Nitte / SBI, Karkala, to be sent to the Conference Secretary before the due date.

### NEFT/RTGS

A/c Holder Name : Principal, N.M.A.M.I.T., Nitte  
Bank Name : Syndicate Bank, Nitte-574110 Account Type: S/B  
SB Account Number : 01152200033493  
IFSC/RTGS code : SYNB0000115; SWIFT code: SYNBINBB014  
MICR Code : 576025533.

The proof of NEFT payment (with UTR No., date & time, Paper Id) needs to be communicated through email to [ctcs2019@nitte.edu.in](mailto:ctcs2019@nitte.edu.in)

**For Foreign Delegates : 30 USD For Indian Delegates : Rs. 2000/-**

### Accommodation

Accommodation will be provided on twin sharing basis in the institute hostel on request depending on the availability and first come first serve basis.

## Contact details:

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