



**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 Partner

 **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 9th 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 Speakers

Dr. Mukesh Kashyap

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

Dr. N A Premanand Shenoy

Structural Consultant Roy & Shenoy, Mangaluru.

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. V. 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

Co-Chair :

Dr. Shrinivasa Rao B.R., Vice Principal & COE

Dr. I. R. Mithanthaya, Vice Principal & Dean Academics

Conveners :

Dr. Sudesh Bekal, Dean – R&D

Dr. Muralidhara, PG Coordinator

Program Committee

Program Chair :

Dr. Udayakumar G. HOD, Civil Engg.

Co-ordinators :

Dr. Arunkumar Bhat, Professor, Civil Engg.

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

Publication Committee :

Dr. Mithun B. M.

Dr. Anil Kumar

Mr. Shriram Marathe

Mr. Shanmukha Shetty

Mr. Thushar Shetty

Hospitality Committee :

Mr. Y. R. Suresh

Mr. Y Umashankar Shetty

Mr. Roshan Rai

Accommodation/Transportation Committee :

Dr. Srinath K. Shetty

Mr. Pushparaj M

Mr. Pradeep Karanth

Venue Committee :

Dr. Anil Kumar

Mr. Shriram 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

Steering Committee :

- **Sri. Vishal Hegde**, Pro-chancellor, Nitte-Deemed to be University
- Dr. N.R Shetty, Chancellor, Central University of Karnataka, Gulbarga, Karnataka
- 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, Professor, Ladoke Akintola University of Technology, Nigeria
- Dr. Shripad T. Revankar, Professor, Purdue University, U.S.A
- Dr. Shuhaimi Mansor, Professor, Universiti Teknologi, Malaysia

Registration Committee :

Dr. S. K. Mahadeve Gowda

Mr. Sabyath Shetty

Ms. Thanushree Hegde

Web/Advertise Committee :

Dr. Radhakrishnan K.

Ms. Thangamani

Mr. Manjunath M.

Refreshment Committee :

Mr. Gururaj Acharya

Mr. Prashanth Kumar

Miscellaneous :

Mr. J. K. Lokesh

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)
- Dr. Subrahmanya Bhat, Professor & Dean (Student Welfare)
- Dr. K Rajesh Shetty, Dean (Admission & Alumni Affairs)
- Dr. Srinath K Shetty, Resident Engineer
- Dr. Srinivas Pai P, Deputy Controller of Examinations
- Dr. Uday Kumar K Shenoy, Professor, Department of Computer Science Engineering
- Dr. P Shankaran, Professor & Head, Department of Mathematics
- Dr. Manjunath K B, Assistant Professor & Head, Department of Physics
- 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, Construction Technology & Management, JSS S&T University, Mysuru
- Dr. N. Suresh, Professor & Head, Civil Engineering and Director of Building Fire Research Centre (BFRC), NIE, Mysuru

Technical Advisory Committee :

- Dr. M C Narasimhan, Professor, NITK, Surathkal
- Dr. Shivashankar, Professor, NITK, Surathkal
- Dr. A U Ravishankar, 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	: 16 Mar 2019
Notification of acceptance	: 31 Mar 2019
Submission of Camera-ready manuscript	: 10 Apr 2019
Last date for registration	: 01 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.

1. The accepted papers will be subjected to peer review by the ICE publishers.
2. The reviewed and selected papers will be published in proceedings of Institution of Civil Engineers - Civil Engineering - Which is a Scopus Indexed publication, published by Institution of Civil Engineers (ICE) - London, with Impact Factor 0.409 (2 Year); 0.387 (5 Year) & SJR 0.21 at free of cost.
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).



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

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:

Dr. Udayakumar G.

Chair, Professor & Head, Civil Engg
N.M.A.M.I.T., Nitte
Ph: +91 99801 35615
Email: hodcv@nitte.edu.in

Dr. Arun Kumar Bhat

Co ordinator
Professor, Dept. of Civil Engg,
Ph:+91 98937 31189
Email: arun.bhat@nitte.edu.in

Mr. Janakaraj M.

Co ordinator
Asst. Professor, Dept of Civil Engg
Ph: +91 72591 83863
Email: janakaraj@nitte.edu.in

Mr. Pushparaj M.

Accommodation Committee
Asst. Professor, Dept of Civil Engg
Ph: +91 94802 66693
Email: pushparajmanai@nitte.edu.in

Website: <http://www.ctcs2019.in>

Email: ctcs2019@nitte.edu.in



NITTE
EDUCATION TRUST

N.M.A.M. INSTITUTE OF TECHNOLOGY

(An Autonomous Institution affiliated to VTU, Belagavi)
(ISO 9001:2015 Certified), Accredited with 'A' Grade by NAAC

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

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

Registration Form

Name [In Capitals] :

Designation :

Institution/Organization :

Address for Correspondence :

.....

.....

City : State : Country :

Mobile No : Email :

Title of the Paper :

..... Paper ID :

Name & Designation of 1st Author:

Mode of Payment : **NEFT** **Demand Draft**

Details of Payment :

<p>Conference Registration Fee For Foreign Delegates: 30 USD For Indian Delegates: Rs. 2000</p>	<p>LAST DATE FOR REGISTRATION 01 MAY 2019 The payment of registration fee should be made by NEFT/DD Drawn in Favor of "Principal, N.M.A.M.I.T., Nitte", payable at Syndicate Bank Nitte / SBI, Karkala</p>	<p>NEFT Details A/c Holder Name: Principal, NMAMIT, Nitte Syndicate Bank, Nitte-574110 Account Type: S/B Account No.: 01152200033493 IFSC/RTGS code: SYNB0000115</p>
--	--	---

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