

**International Conference
on**

**Advances in ►►
Sustainable Materials and
Innovative Technologies
in Civil Engineering**

October 13 & 14, 2014



ICASMITCE' 2014



**Organized by
Department of Civil Engineering**



Nehru Institute of Technology

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Listed in Anna University
Annexure - II



Background

Civil infrastructure not only provides the world population with the needs to have access to food, clothing and shelter. It is also a key component in the functioning of our global economy. Properly planned, designed, engineered, built, operated and maintained civil infrastructure can simultaneously contribute to the sustainability of our planet and improve the quality of life.

World is rapidly changing presenting new challenges in local, regional, national and global levels to economy and sustainability of our planet. In this dynamic environment, the society depends on the expertise and the creative thinking of civil engineers to design, build, operate and maintain the world's public infrastructures sustaining and improving the quality of life everywhere. Today Civil Engineers need more than just a good engineering background a willingness to lead. They need new tools and new skills to help them adapt to rapidly changing business and economic conditions.

In this regard, join us at an international conference ICASMITCE' 2014 to share knowledge, set the stage for multi disciplinary collaboration, develop changing ideas and be a leader towards an innovative a dynamic future.

Objectives of the Conference

The goal of this conference ICASMITCE'2014 is to bring together the leading academicians, scientists, researchers, scholars, industrialists and decision makers in the various field of Civil Engineering from around the world to exchange new ideas, share knowledge, explore recent developments in the field of Civil Engineering and throw light for future directions.

Outcomes of the Conference

The conference ICASMITCE' 2014 promises to be an outstanding international platform for the participants to share their knowledge and expertise. The two days conference will consist of key note speeches, panel discussions, paper presentations in different sessions and poster presentations. Students and young participants will have a unique chance to be acquainted with new and advance Civil Engineering topics that will help them upgrade their careers, their respective organizations and the overall Civil Engineering community.

Nehru Group of Institutions

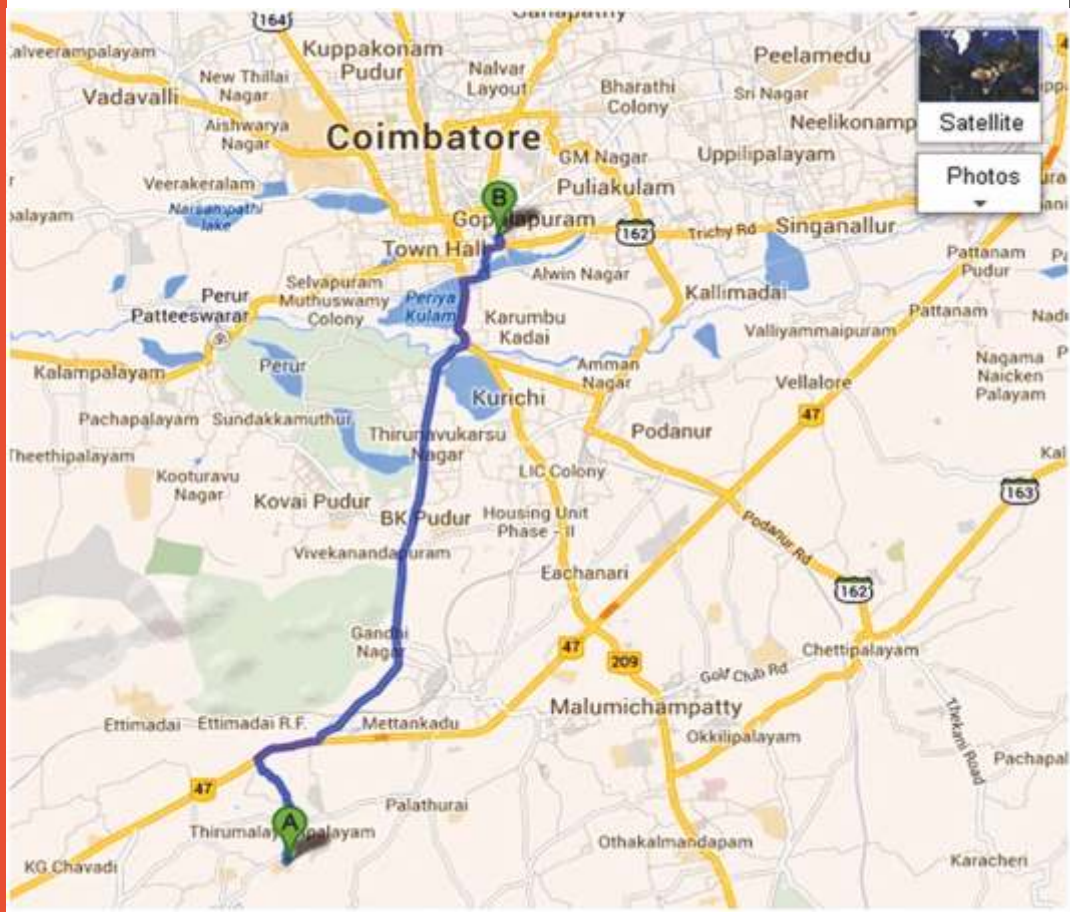
Nehru College of Educational and Charitable Trust, established at an auspicious moment in the year 1968, with the primary objective of rendering selfless and dedicated service to the cause of higher education originally in the field of Aeronautical Engineering and subsequently in the rest of Engineering branches, Management, Arts, Science, and Paramedical Sciences. Its educational service to the poor, underprivileged and downtrodden in the society is freely accessed and widely appreciated by the people, especially from Tamil Nadu and Kerala. Over the period of nearly four decades, it has established and patronized a number of prestigious Educational Institutions, all of which have grown to the stature of being accredited with ISO14001: 2004 certification by the International Certification Services. Nehru Institute of Technology is located at Kaliapuram in the midst of Western Ghats, in an environmentally unpolluted locality at the outskirts of Coimbatore. The College has completed 7 years of its service with excellent state of art facilities and committed faculty members.

Department of Civil Engineering

Department of Civil Engineering was started in the year 2008. The Department of Civil Engineering has highly qualified, committed and research oriented faculty members. The department arranges special guest lectures and in-plant training for students every semester on various topics to meet the global challenges of engineering industry. The department is committed to develop internationally prominent educational and research programme that will benefit the society.

Coimbatore

Coimbatore city is Manchester of South India and is the third largest city in Tamil Nadu. It is known for Manufacturing Textiles and Engineering Components. It also forms educational hub of South India with International standard schools, Universities supported by 150 Professional Institutions. The pleasant climate of Coimbatore with cultural heritage attracts the tourist from all parts of India and abroad. Summer resorts like Ooty, Coonoor, Kodaikanal and Top slip are some of the major site seeing spots of Tamil Nadu nearer to Coimbatore. The nearest International Airport is 29 kms from institute and 17 kms from Coimbatore Central Railway Station. The city is well connected to other major Indian cities like Chennai, Mumbai, Cochin and New Delhi by air and train routes.



Themes of the Conference

Themes of the Conference include specifically but not limited to the following fields of Civil Engineering :

- Sustainable building materials
- Diagnostic Analysis and Rehabilitation of Structures,
- Developments in Concrete Technology
- Recent advances in Reinforced and Pre stressed Concrete
- Earthquake Resistant Structures
- Nanotechnology in Civil Engineering
- Software Applications in Civil Engineering
- Innovative Construction Practices and Construction Management.
- Smart Materials and Intelligent buildings
- Greenhouse Effect and global warming
- Green and Energy efficient buildings
- Civil Engineering applications in Ocean Infrastructure Developments
- GIS and Remote Sensing in Civil Engineering Developments
- Coastal Hazards and Coastal Zone Management
- Integrated Water resources management
- Water resources assessment
- Impact of climate change on water resources
- Analysis and Design of Foundations
- Ground Improvement techniques
- Environmental Geo technology
- Ground water Quality
- Water, Waste water Treatment and Pollution control Techniques
- Recycling of waste and its Management
- Natural Hazards & disaster management and Role of Civil Engineer
- Urban flooding and Landslides
- Air Pollution and Management
- Traffic Engineering - Economics, Planning and Management
- Design of Pavements
- Intelligent transport systems

Poster Presentations

Authors are requested to bring their article printed in a flex of size A2 (60 cm x 42 cm) under the following subheadings: Introduction, literature review, methodology, results and discussion and conclusions.

Official Language : English

Dates to remember

Sl. No.	ACTIVITY	LAST DATE
1.	Submission of Abstract of Papers	30 th July, 2014
2.	Intimation of Acceptance of Abstracts	11 th Aug, 2014
3.	Submission of Full Papers and registration, copyright forms	30 th Aug, 2014
4.	Confirmation about participation by the author or by the participants	10 th Sep, 2014

Call for Papers

Abstract

- Abstracts of papers on the above themes of the conference are invited based on original work carried out and the abstract should be limited to 1000 words.
- Abstracts should be in MS Word and sent as soft copy by email.
- Abstracts should contain the complete address of the authors and email-ids.
- The authors should specify whether the abstract pertains to full paper or poster presentation

Full Papers

Based on the acceptance of abstract, full papers in MS Word as per the journal format mentioned in the website should be sent as soft copy. Full Papers should not exceed ten A4 size pages including figures, tables and references.

Selected full papers will be published in the peer reviewed INTERNATIONAL JOURNAL OF EARTH SCIENCES AND ENGINEERING; Scopus Journal Rating (SJR) 0.15 (2012); H-index: 2 (2012); Impact Factor 0.042 (2011).

Guidelines regarding copyright form and paper format for full length paper are available in the website: www.nehrucolleges.com

"Best paper awards will be given to Post graduate students by way of reimbursing their registration fee"



Resource Persons

Resource persons for invited lectures, chairman and rapporteur for the technical sessions and panel discussions will be from the following organizations :

South Dakota School of Mines and Technology, South Dakota.
Royal Melbourne Institute of Technology University, Australia.
University of Peredeniya, Srilanka.
Nepal Engineering College, Nepal.
Institute of Water and Flood Management, Bangladesh University of Engineering and Technology, Bangladesh.
Anna University, Chennai, Tamil Nadu, India.
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Government College of Engineering, Salem, Tamil Nadu, India.
Coimbatore Institute of Technology, Coimbatore, Tamil Nadu, India.
Karunya University, Coimbatore, Tamil Nadu, India.
Indian Road and Transport Technology, Erode, Tamil Nadu, India.
Bannari Amman Institute of Technology, Sathyamangalam, Tamil Nadu, India.

Participants

Participants are invited from the following categories as authors for paper presentation and as participants without paper presentation.

- Teachers from Academic Institutions
- Engineers and Managers from Industry and Professional Bodies
- Scientists from Research Organization
- Research Scholars and Students
- Public Interested in Civil Engineering



Registration Fee

	India	Abroad
Participants from Academic Institutions/ Industry	- ₹ 3000	\$125
Research Scholars and Students	- ₹ 2000	\$ 110
Accompanying person	- ₹ 1000	\$ 60

Registration fee includes conference kit, copy of the proceedings, lunch and refreshments on the conference days and a conference dinner. The amount shall be sent by DD in favor of "The Principal, Nehru Institute of Technology" payable at Coimbatore along with the accepted full paper.

Sponsorship

Sponsors are invited from various organizations, companies and associations etc. both from public and private sectors. Sponsor's logo will be included in banner and proceedings. The category of sponsors will be as follows:

- Platinum sponsors** – ₹ 50,000 and above
- Gold sponsors** – ₹. 25,000 – Rs. 50,000
- Silver sponsors** – ₹. 10,000 – Rs. 25,000

Exhibition

The exhibition will be held for two days (13 and 14, October 2014), giving exhibitors an opportunity to showcase their new technologies, products and materials. Prospective exhibitors are requested to contact the conference co-chair for further details through email.

Limited accommodation is available for the delegates participating in the conference at free of cost in our hostels on first-come, first-served basis. Please confirm your date of arrival with the details of accompanying person before 10th September, 2014 for hostel accommodation. Delegates interested to have accommodation other than hostels can avail accommodation facilities at Coimbatore by paying additional amount, please contact over email id to icasmitce2014@gmail.com for the same.

A Tour programme will also be arranged on payment basis to Ooty for the interested participants on 15th October, 2014 to the following sightseeing places: Dolphin Nose view point, Sims park, Ooty lake, Thread garden, Rose garden, Dodabetta peak, and Botanical garden

Organizing committee

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44. **Dr.K.M.Mini**, Professor and Head, Department of Civil Engineering, Amrita University, Coimbatore.



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Title of the Paper to be presented with co-authors names if any	
Details of the Registration fee	Amount
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Request for Accommodation	Yes/No

Hotel Accommodation :
 HOTEL CROWN PLAZA,
 Kuniyamuthur, Coimbatore,
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Non AC double	₹ 935/-
Single Non AC	₹ 475/-
AC Double deluxe	₹ 1406/-
AC standard	₹ 1237/-
Triple COT non ac	₹ 1237/-
Extra bed per head	₹ 200/-

* including tax

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Date :

Signature of applicant

Please send this form along with DD & Hard copy of the full article by 30th Aug, 2014 to:

Dr. J. Brema

Professor & Head,

Conference Chair, Department of Civil Engineering,

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