

Collaborative activities for research, Faculty  
exchange, Student exchange/ internship for  
the Academic Year 2015-16

## INTERNSHIP CERTIFICATE

This certificate is presented to the following students of Mangalore Institute of Technology & Engineering, in recognition of outstanding accomplishments and contributions for the internship program from 04 January 2016 to 28 January 2016.

Sl No	USN	Name
1	4MT12CS004	ACHARYA KIRAN UMESH
2	4MT12CS007	AJAY SHENOY R
3	4MT12CS017	ANKITH DAMODAR BANGERA
4	4MT12CS018	ANKITHA
5	4MT12CS019	ANUSHA
6	4MT12CS023	ARSHAQ SHABEER
7	4MT12CS024	ASHWINI K RAO
8	4MT12CS025	ASWIN V K
9	4MT12CS027	AVITA JOYLINE DSOUZA
10	4MT12CS029	BHAVANI SHANKAR
11	4MT12CS031	CHETHANA R BHAGWATH K
12	4MT12CS035	DISHA CHANDRASHEKAR

During this period, we found students to be sincere, diligent and hardworking

We wish them all the best in future ventures.

Yours Truly,

For Juego Studio Pvt Ltd



Suman BK

CEO

## CHIEF PATRON

Sri. Rajesh Chowta  
Chairman - Rajalaxmi Education Trust, Mangalore

## PATRON

Dr. G.L. Easwara Prasad  
Principal, MITE

## CONVENERS

Dr. Ganesh Mogaveera  
Prof & Head, Dept. of Civil Engg., MITE  
Dr. Jayaprakash, M.C.  
Sr. Asst. Professor, Dept. of Civil Engg., MITE

## NATIONAL ADVISORY COMMITTEE

Prof. G R Rai  
Advisor, MITE

Dr. Manamohan Kalgal  
Jt. President & Head, Technical Services at Ultra Tech Cement Ltd.

Dr. V Ramachandra  
Asst. Vice President (Tech.) & Zonal Head South, Ultra Tech Cement Ltd.

Dr. K. Md. Najeeb,  
Rtd. Member Secretary CGWA, GOI

Dr. Katta Venkataramana  
Dean Academic, NITK Surathkal

Dr. D Venkat Reddy  
Professor, NITK Surathkal

Dr. V Rama Sastry  
Professor, NITK Surathkal

Er. Nagesh Puttaswamy  
Regional Head, Technical Services & Kar. South, UltraTech Cement Ltd.

Dr. Dwarakish G S  
Professor, NITK Surathkal

Dr. Dodagoudar G R  
Professor, IIT Madras

Dr. Shrihari  
Professor, NITK Surathkal

Dr. Sunil B M  
Professor, NITK Surathkal

Er. Premananda Shenoy  
Roy & Shenoy, Mangalore

Er. Anil Hegde  
Vimal Anil Consultants, Mangalore

Dr. Raju A  
Founder & Secretary General-CITS

## ORGANISING MEMBERS

Mr. Badraddin P.M., Sr. Asst. Professor  
Mr. Yashwanth M.K., Asst. Professor  
Mrs. Sangeetha, Asst. Professor  
Mr. Thejus H.K., Asst. Professor  
Mr. Anushith Kumar M.J., Asst. Professor  
Ms. Apoorva, Asst. Professor

Mr. Venkatesh S.V., Asst. Professor  
Mr. Karthik A.N., Asst. Professor  
Mr. Mohan H.S., Asst. Professor  
Mr. Abhilash D.T., Asst. Professor  
Mr. Vinod G., Asst. Professor  
Mr. Harish Kumar C.E., Asst. Professor

## IMPORTANT DATES

Last date for Submission of Abstract	25 <sup>th</sup> January 2016
Intimation of Abstract Acceptance	30 <sup>th</sup> January 2016
Last date for Submission of Full length Paper	15 <sup>th</sup> February 2016
Payment of Registration Fee	06 <sup>th</sup> February 2016

## Abstract

Participants interested in oral/poster presentation should submit an abstract for consideration by the technical committee. Before submitting the abstract, the presenter should ensure that the co-authors are aware of its content.

## Regulations

- \* Abstract should not exceed 350 words including title, authors and affiliation
- \* Abstract should be prepared using MS Word in Times New Roman 12 font size with double line spacing

**Note:** Prospective authors are encouraged to submit their full length paper (as per IEEE A4 format.doc). Accepted papers must be registered and presented at the conference by one of the authors. As per the reviewers decision papers will be published in the form of proceeding volumes and selected papers will be published in *IEEE database (ISSN 0974-5904)* as per the slot available. *The publication processing charges should be borne by the respective authors.*

## REGISTRATION FEES

For Faculty & Research Scholars:	INR 1000.00
For Students:	INR 500.00
Industry, Govt. Organisations & NGO:	INR 1500.00
Participant/Accompanying Person:	INR 500.00
Spot Registration:	INR 1500.00

**Note:** Application for participation in the conference shall be sent to the convener as given in the attached format along with the registration fee by DD drawn in favor of 'Chief - Coordinator MITE Seminar and Workshops' payable at Vijaya Bank, Moodabidri Branch. The fee can also be paid via NEFT to the following account.

A/c Number :	114901011001148
A/c Name :	Chief-Coordinator MITE Seminar & Workshops
Name of the Bank :	Vijaya Bank
Branch :	Moodabidri
IFS Code :	VJIB0001149

## ACCOMMODATION

Participants will be provided accommodation with the nominal charges in guest house or hostel on twin sharing basis depending on demand and availability.

## ADDRESS FOR COMMUNICATION

### Conveners

Dr. Ganesh Mogaveera  
Professor & HOD  
Email: hodciv@mite.ac.in  
Mobile: 9448983955/9591843955

Dr. Jayaprakash MC  
Senior Assistant Professor  
Email: jayaprakash@mite.ac.in  
Mobile: 9901322304



## NATIONAL CONFERENCE

on

## Advanced Trends in Civil Engineering & Sustainable Development

26<sup>th</sup> & 27<sup>th</sup> February, 2016  
VENUE: MITE CAMPUS, Moodabidri



Organised by



Invent Solutions

Department of  
Civil Engineering

In association with



LOCAL CAFET - INNOVA Technical Society  
MITE, Mangalore Chapter



MANGALORE INSTITUTE OF TECHNOLOGY & ENGINEERING

(An ISO 9001:2004 Certified Institution)

A Unit of Rajalaxmi Education Trust S., Mangalore

(Affiliated to the VTU, Belagavi, Karnataka & Approved by AICTE, New Delhi)

BadagaMijar, Moodabidri - 574225 Ph. 08258-262695 to 99

Web: www.mite.ac.in



## OBJECTIVE OF THE CONFERENCE

Civil Engineers must develop new skills for a changing world, which are innovative and promote multidisciplinary approaches. Civil Engineers are committed to provide the tools & advice to governments & policymakers at national & supranational levels on the skills and infrastructure required for a sustainable future. It is time to pause and devise ways to utilize these resources to compose a world of smarter building with stronger features. It is expected that this national conference will be able to identify various problems & set the direction for future line of action for the advanced trends in Civil Engineering for sustainable development.

Civil Engineering is a broad field that applies Engg. principles primarily to the public domain infrastructure, including transportation, water resources, buildings and other structures such as dams and bridges. Civil Engineers balance the needs of society with technical and economic feasibility. Sustainable development shares recent developments and discussion topics, highlighting projects & innovations that embrace the sustainability and it will promote broad understanding of economic, environmental, political, social, and technical issues and processes - thereby enhancing quality of life of the society. Civil Engineers have an obligation to protect cultural and natural diversity and they are central to the planning, design, construction, operation and maintenance of infrastructure networks that underpin civil society and economic activity and protect human health and welfare. Emerging trends have reinforced the key role of these networks in enabling global societal resilience.

## INSTITUTION OVERVIEW

Mangalore Institute of Technology and Engineering (MITE) was established in the year 2007 by Rajalaxmi Education Trust to fulfil the growing needs of the industry and aspirations of young students of Mangalore District and other parts of the country. In a world of opportunities for success, education plays a paramount role in moulding, shaping & preparing youngsters to face the challenges of the future. At MITE, we believe that education is the manifestation of perfection in a human being, and we instill the most needed human values and ethics in our students.

The Institution has received an in-kind software grant from SIEMENS PLM Software, a Center of Excellence (COE) for Digital Design, Validation and Digital Manufacturing has been established. The value of the software granted to the institute is around USD \$79 million. BOSCH-REXORTH has instituted a regional center of competence for automation technologies which is functioning from last five years. The preparations are ongoing to setup the Nano Science and Technology Research center (NTRC) at MITE.

MITE located amidst lush greenery and a serene ambience in Moodbidri, the campus spreads over an area of 74 acres in the sylvan surroundings near Mijar on route to Karkala. Integrating modern design, construction technology & eco-friendly techniques, the campus provides the right setting to the students for effective learning.

## MITE OFFER THE FOLLOWING COURSES

### UG Courses - BE

Aeronautical Engineering  
Civil Engineering  
Computer Science and Engineering  
Electronics & Communication Engineering  
Information Science and Engineering  
Mechanical Engineering  
Mechatronics Engineering

### Research Centres @ MITE

Physics  
Chemistry  
Mechanical Engineering  
Computer Engineering  
Mathematics  
Electronics & Communication Engineering

### PG Courses - M Tech

Computer Science & Engineering  
Computer Network Engineering  
Digital Electronics & Communication  
Mechatronics  
Machine Design  
VLSI & Embedded Systems Design  
Master of Business Administration

## THEMES

### Earth Science and Engineering

Climate change-its impact in Civil Engineering projects  
Disaster Mitigation and Management  
Earthquake Engineering  
Rock sciences & Rock Engg. Applications in Civil & Infra. Engg. projects  
Geospatial Technology for Sustainable Environment  
RS-GIS & GPS Applications in Engineering projects  
Natural Resources & Resources Engineering  
Earth and Planetary Materials

### Advances in Structural Engineering

Construction practices and Management  
Advanced Construction Materials & Civil Engineering Practices  
Alternate Building Materials  
Nano Materials in Structural Engineering  
Damage Detection & Identification of Structures  
Structural Reliability & Design  
Fire Resistance of Structures  
Advances in Ocean Engineering

### Transportation & Highway Engineering

Smart Cities and Integrated Urban Planning  
Advanced Digital System for Cities  
Intelligent System for Urban Mobility  
Town planning & Sustainable Architecture

### Geo-Technical Engineering/Geo Environmental

Dynamic behaviour of soils from field & laboratory tests  
Mechanism of soil liquefaction  
Seismic response of structures  
Shear strength of soil  
Geotech practices for Environment Management & Disaster mitigation  
Geochallenges

### Water Resources and Irrigation Engineering

Artificial Recharge Structures & Rain Water Harvesting Techniques  
Integrated Water Management  
Eco-hydrology  
Hydroclimatology  
River Processes and Systems  
Water resources planning, Policy and Management  
Water quality and water resources  
Surface and subsurface water problems in Civil Engineering constructions

### Environmental Engineering & Environmental Law

Renewable Energy Technology  
Green Buildings- Materials and Technology  
Solid Waste Management  
Global Change on Environment Applications  
Nuclear Decommissioning and Waste Management  
Air pollution & Control

## NATIONAL CONFERENCE

on

## Advanced Trends in Civil Engineering & Sustainable Development

## REGISTRATION FORM

Name: .....

Institution / Organisation: .....

Address: .....

Mobile: .....

E-mail ID: .....

Payment Details: Amount: .....

DD No: .....

Date: ..... Signature of Applicant

Sponsoring Authority

I hereby agree to depute Dr/Mr/Mrs/MS.....

..... for the National Conference on

"Advanced Trends in Civil Engineering & Sustainable Development"

Signature of Head of the Institution with seal

Note: Additional registration forms shall be typed in A4 size sheets / photocopied or downloaded from the college website [www.miteconference.org](http://www.miteconference.org)



**National Conference on  
Advances in Civil Engineering and Sustainable Development**

26th - 27th February, 2016

In association with

Local CAFET INNOVA Technical Society - Mangalore Chapter

Organized by

**DEPARTMENT OF CIVIL ENGINEERING**

**MANGALORE INSTITUTE OF TECHNOLOGY & ENGINEERING (MITE)**

Department of Civil Engineering, Mangalore Institute of Technology (ITE), Karnataka, India has organised Two Days National Conference on "Advanced Trends in Civil Engineering and Sustainable Development"

during 26th and 27th of February 2016, in association with Local CAFET INNOVA Technical Society- Mangalore Chapter, which has been inaugurated by Dr. TNSingh, Professor, IIT Bombay, India. It makes it all the more interesting that this conference comes as an immediate follow up on our recent workshop on "Civil Engineering - Challenges in 21st Century".



Inaugurating the National Conference by: Prof. TNSingh, Professor, IIT Bombay, India and Prof. D Venkat Reddy, NITK, Surathkal, India

The world is progressing at a fast rate and at the same time it poses many societal and global challenges which are of complex nature. The exploitation of natural resources has reached to an alarming level and many of us feel an unbalanced development. Sustainability can only be achieved if we can maintain a balance between the demand and supply vis-à-vis reserve for future generations. The profession of civil engineering has been categorised as the peace time war on nature due to various hazards associated with it. A constant and careful attention is therefore important for the development of society.


Components and subassemblies to be used in modern modular construction of small as well as

gigantic marvels like corporate offices of Multinational Corporates and factories are going to be a matter of routine very soon. High quality Concrete mixed at controlled factory environments, safely and securely transported to the construction site and then pumped up to the required altitude where it is required to be used, eliminating the use of human chains as was practiced in the past is just a very small example to this. These marvels will, undoubtedly, ensure improved structural strength, dependability and resilience to comfortably withstand extreme levels of seismological disturbances caused by nature and added by man-made adverse interaction with the environment. It is imperative that Civil Engineering with the support of other disciplines in Engineering gets fully ready to face the above situations and also other unknown challenges.



Releasing of Proceedings by: Prof. TNSingh, Professor, IIT Bombay, India and Prof. D Venkat Reddy, NITK, Surathkal, India

Civil engineers must develop new skills for a changing world, foster greater collaboration with other professionals, and promote multidisciplinary approaches. Civil engineers are committed to provide the tools and advice to governments and policymakers at national and supranational levels on the skills and infrastructure required for a sustainable future. It is time to pause and devise ways to utilize these resources to compose a world of smarter building with stronger features. It is expected that

  
**Dr. GANESH MOGAVEER**  
**PROFESSOR & HEAD**  
**DEPT. OF CIVIL ENGG.**

MITE,

BADAGA MIJAR MOGOORI - 57422

this national conference will be able to identify various problems and set the direction for future line of action for all advanced trends in civil engineering for sustainable development.

Civil engineering is a broad field that applies engineering principles primarily to the public domain infrastructure, including transportation, water resources, buildings and other structures such as dams and bridges. Civil engineers balance the needs of society with technical and economic feasibility. Sustainable development shares recent developments and discussion topics, highlighting projects and innovations that embrace the sustainability and it will promote broad understanding of economic, environmental, political, social, and technical issues and processes thereby enhancing quality of life for all of society. Civil Engineers have an obligation to protect cultural and natural diversity and they are central to the planning, design, construction, operation and maintenance of infrastructure networks that underpin civil society and economic activity and protect human health and welfare. Emerging trends have reinforced the key role of these networks in enabling global societal resilience.



The conference is organised at a time when the country is passing through a paradigm shift of development for all and the outcome will certainly be a value addition for safe, secure and sustainable development to protect mother Earth and its environment.

In this context, Department of Civil Engineering organised two days National Conference on “Advanced Trends in Civil Engineering and Sustainable Development” during 26th and 27th of February 2016, in association with Local CAFET-

Innova Technical Society, MITE, Mangalore Chapter and it has been succeeded by eminent delegate speakers invited from various esteemed institution like IITs, NITs, NIE and around 45 advanced research papers were received across the country and that has been presented during the conference. The program was inaugurated by Dr T N Singh, Professor, IIT Bombay and followed by keynote address given by eminent speakers viz. Dr. D. Venkat Reddy, Dr. V Rama Sastry, Dr. Dwarakish G S, Dr. M K Nagaraj & Dr. S Shrihar from NITs, and also Dr. SK Prasad, SJCE & Dr. GSarangapani from NIE, Mysore.



Keynote Presentation by: Prof. T N Singh, IIT Bombay, India



Keynote Presentation by: Prof. V Rama Sastry, NITK, Surathkal, India

As per the reviewers decision around 40 papers was published in the form of proceeding volume with ISBN 978-93-5258-252-5, provided from MHRD, GOI and that has been presented during the conference. The conference theme was chosen to support the recent sustainable developments such as

- Earth Science and Engineering: Climate change-its impact in civil engineering projects, Disaster Mitigation and Management,

Geospatial Technology for Sustainable Environment, RS-GIS & GPS Applications in Engineering projects, Natural Resources & Resources Engineering

- Advances in Structural Engineering: Construction practices and Management, Earthquake resistant structure, Advanced Construction Materials & Civil Engineering Practices, Nano Materials in Structural Engineering, Advances in Ocean Engineering
- Transportation & Highway Engineering: Smart Cities and Integrated Urban Planning, Advanced Digital System for Cities, Intelligent System for Urban Mobility, Town planning & Sustainable Architecture.
- Geo-Technical Engineering/Geo Environmental: Dynamic behaviour of soils from

field & laboratory tests, Mechanism of soil liquefaction, Seismic response of retaining structures, Geotech practices for Environment Management & Disaster mitigation

- Water Resources and Irrigation Engineering: Artificial Recharge structures & Rain Water harvesting techniques, Integrated Water Management, Eco-hydrology, Hydroclimatology, Surface and subsurface water problems in civil engineering constructions
- Environmental Engineering & Environmental Law: Renewable Energy Technology, Green Buildings- Materials and Technology, Solid Waste Management, Global Change on Environment Applications, Nuclear Decommissioning and Waste Management



## *Certificate of Participation*

This is to certify that

PROF. SIDDANAGOWDA G. R.

Mangalore Institute of Technology & Engineering

has participated in **Faculty Enablement Program (FEP) on Foundation Program 4.0**

conducted by Infosys Limited

at Infosys Limited, Mangalore Development Centre during 14<sup>th</sup> – 19<sup>th</sup> December 2015

and has been awarded with B Grade.



Pramod Prakash Panda  
Vice President & Head,

Education, Training and Assessment, Infosys Limited



Satheesha B. Nanjappa  
Associate Vice President,

Education, Training and Assessment, Infosys Limited



## *Certificate of Participation*

This is to certify that

PROF. SANDEEP KUMAR S

Mangalore Institute of Technology & Engineering

has participated in **Faculty Enablement Program (FEP) on Foundation Program 4.0**

conducted by Infosys Limited

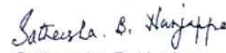
at Infosys Limited, Mangalore Development Centre during 14<sup>th</sup> – 19<sup>th</sup> December 2015

and has been awarded with A Grade.



Pramod Prakash Panda  
Vice President & Head,

Education, Training and Assessment, Infosys Limited



Satheesha B. Nanjappa  
Associate Vice President,

Education, Training and Assessment, Infosys Limited