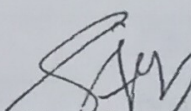


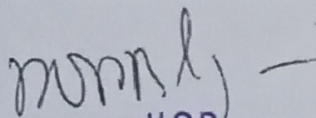
Application for Permission to Attend  
Conferences/Seminars/Workshops/FDP and Paper Presentation

1. Name of the staff : Sanjay S
2. Designation and department : Asst. professor
3. Name of the conference/seminar/FDP : FDP
4. Type of conference(national/state level) : National
5. Place of conference : Moodbidri
6. Date of conference : 17th & 18th March 2017
7. Title of the paper submitted : —
8. Mention the items enclosed :
  - a. copy of the brochure (Yes / No)
  - b. copy of invitation letter (Yes / No)
  - c. acceptance letter (Yes / No)
9. Rough estimate of expenditure (total) :
  - a. Registration fees :
  - b. Bus/train/air fare :
10. Details of previous workshop attended : KSTA Conference (2015)

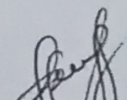
Date: 11/3/2017

  
Signature of the applicant

Recommendation of the HOD

  
H.O.D.

Dept. of Civil Engineering  
Alva's Institute of Engg. & Technology  
Mijar, Moodbidri - 574 225

  
Signature of the Principal  
PRINCIPAL

Alva's Institute of Engg. & Technology,  
Mijar, MOODBIDRI - 574 225, D.A.





**MITE**  
Mangalore



**INTERNATIONAL  
CONFERENCE ON**

# **Global Civil Engineering Challenges in Sustainable Development & Climate Change**

## **ICGCSC - 2017**

17<sup>th</sup> & 18<sup>th</sup> March, 2017    Venue: MITE Campus



**Organised by  
Department of Civil Engineering**

**MANGALORE INSTITUTE OF TECHNOLOGY & ENGINEERING**

(An ISO 9001:2008 Certified Institution)

A Unit of Rajalaxmi Education Trust®, Mangalore

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

**In Association with**



**LOCAL CAFET - INNOVA Technical Society  
MITE, Mangalore Chapter**





## The Host Institution

Mangalore Institute of Technology and Engineering (MITE) was established in the year 2007 by the Rajalaxmi Education Trust® to fulfil the growing needs of the industry and the aspirations of the 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 and preparing the youngsters to face the challenges that the future has in store for them. At MITE, we believe that education is the manifestation of perfection in a human being and we insist on the development of 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. 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 has been functioning for the past five years. The preparations to setup the Nano Science & Technology Research Center (NTRC) at MITE are going on at the moment.

MITE is located amidst lush greenery & a serene ambience in Moodbidri. The MITE campus is spread over a sprawling area measuring upto 74 acres in the sylvan surroundings near Mijar en route to Karkala, Karnataka State, INDIA. The campus integrating the modern design, the construction technology and the eco - friendly techniques, provides the right setting to the students for effective learning.

The Institute has a world class infrastructures and state-of-the-art lab facilities. Besides it also offers seven UG and seven PG programmes, viz:



## UG Courses - BE

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



## Research Centres @ MITE

- Physics
- Chemistry
- Mechanical Engineering
- Computer Science & Engineering
- Mathematics
- Electronics & Communication Engineering



## The Host Department

The department of Civil Engineering started functioning at MITE in the year 2012. It focuses on the overall development of the students through innovative teaching and learning processes. The main objectives of the department are to produce qualified, competent and employable Civil Engineering graduates, to cater to the needs of the industry and the society by imparting the requisite knowledge and training in different areas of Civil Engineering and other emerging technologies. The department has highly dedicated and qualified faculties involved in both teaching and research activities. Students from different parts of the country have enrolled themselves for Civil Engineering studies, at our institute.

The department has established well equipped laboratories such as Strength of materials lab, Geodetic Engg. lab, Mechanics of fluid lab, Earth science and materials lab, Computer aided building drawing lab, Applied hydraulic lab, Concrete and highway materials lab, Geotechnical Engineering Software Application lab and Environment Engineering laboratory.



The MITE-Local CAFET INNOVA Technical Society, Mangalore Chapter has been established by the department of Civil Engg. in association with CAFET-INNOVA Technical Society, Hyderabad. It is an International non-profit organisation functioning to encourage the teaching faculties, young and talented students towards the field of Research & Development (R&D) and harness their intellectual abilities for the betterment of our institution as well as the industry.

## About the Conference

With a focus on development, the critical roles of civil engg. in addressing the large-scale pressing challenges facing the societies worldwide have been widely recognised. Such large - scale challenges include access to affordable health care; tackling the coupled issues of energy, transportation and climate change; providing more equitable access to information & clean drinking water, mitigation of natural and man - made disasters, environmental protection and natural resource management, among various others. As such, mobilizing the civil engg. community to become more effective in delivering real products and services of benefit to society, especially in the developing world, is a vitally important international responsibility.

The overall global issues & challenges include: the need to reduce poverty, promote sustainable social and economic development, globalisation; & the need to bridge the digital and broader technological and knowledge divides. The specific emerging issues and challenges include: Climate change mitigation, adaptation and the urgent need to move to a low-carbon

future; and calls for increased investment in infrastructure, engineering capacity and associated research and development.

The civil engineering profession recognizes the reality of limited natural resources, the desire for sustainable practices (including life-cycle analysis and sustainable design techniques), & the need for social equity in the consumption of resources. To achieve various objectives, it is expected that this conference will be able to identify various problems and set the direction for the future line of action for all global civil engg. challenges for sustainable development and the effects of climate change. Ethics requires civil engineers to strive to comply with the principles of sustainable development in the performance of their professional duties. This conference will work on a global scale to promote public recognition & understanding of the needs and opportunities for sustainable development.

## Organising Council

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 Sagar S, Asst. Professor

## Publication

The selected papers for the conference will be published in the form of proceedings volume of the International Conference with ISSN / ISBN cited number in a soft/hard copy. With the permission

from ISSN / ISBN authorities, we may publish in International Journal of Earth Sciences & Engg. (IJE), ISSN 0974-5904 [SJIR 0.17; Quartile Q3; H-index 4 and CSIR - NISCAIR, INDIA IF 0.13] is indexed in Scopus, Ei-Compendex & Geobase (products hosted on Engg. Village) Elsevier, Amsterdam, Netherlands, Geo-Ref Information Services, USA; List B of Scientific Journals in Poland; Directory of Research.

**\* Authors have to bear processing expenses with publishers.**

## Best Paper Award

One best paper will be selected from each technical session during the conference with appreciation certificates.

## Indented Beneficiaries

Scientists and Engineers from R & D organisations, Professionals from Govt. & Public sector undertakings, Research scholars, Academicians, Builders, Realtors and Developers, Architects, and Students are invited to contribute research papers and participate in the deliberations of the conference from all over the globe.

## Important Dates

Last date for submission of Abstract:	15 <sup>th</sup> October 2016
Intimation of Abstract acceptance:	15 <sup>th</sup> November 2016
Submission of full length paper:	15 <sup>th</sup> December 2016
Acceptance of full length paper:	30 <sup>th</sup> January 2017
Registration:	15 <sup>th</sup> February 2017
Conference Date :	17 <sup>th</sup> & 18 <sup>th</sup> March 2017

## Registration

Delegates from Academic Institutions :	INR 3000/- each
Delegates from Industry & Research estbls.:	INR 3500/- each
Research Scholars/Students :	INR 1500/- each
Participants:	INR 1000/- each
Additional Copy of the Proceedings :	INR 1500/- each
Foreign delegates (inclusive of accommodation) :	150 USD
Group Registration (5 and above) :	10% Discount
Early bird Delegate Reg. (Before 15 <sup>th</sup> Jan 2017)	10% Discount

**\*Registration includes conference kit, refreshments, lunch & networking dinner.**

## Payment Details

The applications for participation in the conference shall be sent to the coordinator as given in the attached form at along with the registration fee through a DD drawn in favor of '**Chief-Coordinator MITE Seminar & Workshops**' payable at Vijaya Bank, Moodabidri Branch. The fee can also be paid through **NEFT** to the following account details.

A/c Name : Chief-Coordinator MITE  
 Seminars & Workshops  
 A/c Number : 114901011001148  
 Bank Name : Vijaya Bank  
 Branch : Moodabidri  
 IFS Code : VIJB0001149

## Accommodation

The accommodation for the participants will be provided with the nominal charges in the guest houses or the hostels on twin sharing basis depending on the demand and for them and their availability.

## Call for Papers

The ICGCSC-2017 will provide an open forum for the dissemination of the up-to-date research contribution, innovative modeling approaches & the case studies in all the aspects of Civil Engineering practices. The conference technical program will consist of plenary addresses, keynote addresses by eminent scientists / engineers / academicians and technical paper



presentations. The authors are requested to submit the abstracts in English. The abstract body should be limited to 300 words & the full paper should be within 8 pages as per the prescribed format on or before the deadline through online provision provided in the college international conference website [www.miteconference.org/](http://www.miteconference.org/)

**Email ID: [icgcsc-2017@mite.ac.in](mailto:icgcsc-2017@mite.ac.in)**

The full paper should include a cover letter and the complete details (affiliation, address, telephone, fax, email id and other contact information) of the corresponding author. The full papers submitted by the authors will be peer-double-blind reviewed by the technical committee members and based on the reviewer's comments / suggestions, they will then be selected for oral presentation during the conference.

## **Conference Themes**

*Latest developments in the BELOW MENTIONED areas*

### **Challenges & Issues in Civil Engineering**

- Climate change - its impact on the civil engineering projects
- Design for climate change
- Design for flexibility
- Everyday life, ideology and culture
- Interlinking of Indian rivers-challenges and prospects
- CO<sub>2</sub> emission and reductions
- Health and safety
- Reduce the noise, pollution, flooding and microclimatic effects
- Eco-materials and technologies
- Sustainable design, construction and development
- Oceans as non-conventional source of energy

- Use of non - conventional materials Waste minimization
- Use of industrial waste
- Shore protection and beach nourishment
- Mixed-use urban development
- Building integrated renewable energy
- Monitoring energy consumption of building
- Building environmental assessment methodology
- Chloride corrosion in concrete beams
- Environment-friendly construction & development
- Atmospheric modeling and numerical prediction
- Carbon capture technologies, CO<sub>2</sub> transport, storage and use
- Climate change and sustainability

### **Earth Science and Engineering**

- Natural disaster mitigation and management
- Earthquake engineering
- Rock sciences and rock engineering applications in civil and infrastructural engineering projects
- Geospatial technology for sustainable environment
- RS-GIS & GPS applications in engg. projects
- Natural resources and resources Engineering
- Earth and planetary materials
- Bio - engineering techniques for erosion control in slopes
- Latest technology for surficial stability in steep slopes
- Landscape planning and design

### **Advances in Structural Engineering**

- Cost effective design & construction techniques
- Analysis of large dynamic structure in environment industry
- Structural creativity, technological progress
- Earthquake resistant structures
- Smart structures

- Nano materials in structural engineering
- Damage detection & identification of Structures
- Structural reliability and design
- Building sustainability assessment tools
- Fire resistance of structures
- Advances in ocean engineering
- High-rise structures and large-span structures
- Seismic analysis of interlocking blocks in walls
- Post-earthquake infrastructure rehabilitation
- Engineering structure safety and disaster prevention
- Reducing the impact of earthquakes in cities
- Rehabilitation of damaged sites
- Effect of wind load on high rise buildings

### **Transportation & Highway Engineering**

- Smart cities and integrated urban planning
- Advanced digital system for cities
- Intelligent system for urban mobility
- Town planning and sustainable architecture
- Mixed traffic control & behavior
- Runway resurfacing and repair using modern materials & techniques
- Highway design and safety
- Modern concepts of rural road development
- Road, bridge and railway engineering
- Road structure and pavement
- Mass transportation system
- Transportation design and modeling
- Seaport engineering
- Coastal and offshore protection & engineering
- Airport design and construction
- Design considerations for roadside safety
- Urban sprawl and density optimisation
- City planning and daily life



### **Geo-Technical Engg./Geo Environmental**

- Dynamic behaviour of soils from field & laboratory tests
- Mechanism of soil liquefaction
- Seismic response of retaining structures
- Shear strength of soil
- Geotech practices for environment management and disaster mitigation
- Geochallenges
- Engineering aspects of reinforced soil
- Geotextiles, geomembranes, geogrids and geonets
- Prediction of soil response to earthquake motion
- Soil-pipe interaction:- The environmental aspect
- Shape optimisation of reinforced underground tunnels
- Advanced soil improvement techniques
- Foundation design in marine soils
- Application of large deformation analysis in soil mechanics
- Pavement evaluation and application of geotextiles in pavements



### **Construction / Concrete Technology**

- Recycled aggregate concrete and pavement materials
- Alternate building materials
- Advanced construction materials and civil engineering practices
- Sustainable construction management
- Geopolymer concrete
- Risk-safety construction management
- Innovative thermal insulation systems
- Eco - friendly construction materials
- Cost-effective construction technology
- Fatigue behavior of concrete
- Application of fibres in concrete
- Fire behavior of steel penetrating concrete wall
- Plum concrete
- Advances in prestressed concrete design
- New cement - based materials
- Building sustainability assessment tools
- Application of composite materials
- Optimisation tools for construction projects
- Quality, contracts, conflicts, negotiations & execution of projects
- Planning and control of infrastructure operations
- Project management softwares

### **Water Resources & Irrigation Engineering**

- Artificial recharge structures and 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 constructs
- Subsurface & ground-water flow
- Urban drinking water supply & distribution
- Urban environment management & policy
- River, estuary & natural waterways
- Construction & renewable energy sources
- Design & technologies for energy efficiency & conservation
- Designing Inclusive environments
- Water supply and sanitation

### **Environmental Engg. & 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 and control
- Energy and environment
- Environmental management and modeling
- Biofuels
- Environmental impact assessment and mitigation
- Passive solar buildings
- Buildings, urban life and environment
- Conserve energy, water & other resources
- Hazardous waste disposal





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## Address for Communication

### **Dr. Ganesh Mogaveer**

Organising Chair – ICGCSC-17

Professor & HOD

Department of Civil Engineering

Email ID: [icgcsc-2017@mite.ac.in](mailto:icgcsc-2017@mite.ac.in)

Mobile: +91 9448983955/ +91 9591843955

### **Dr. Jayaprakash M C**

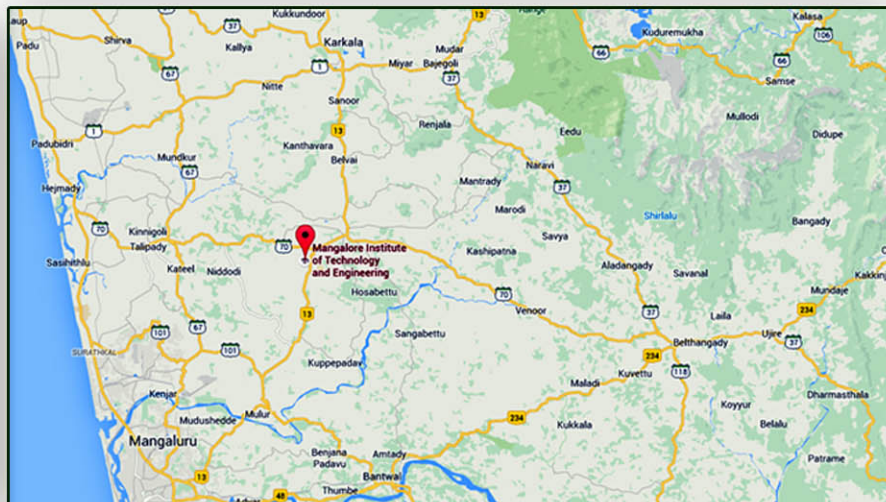
Organising Secretary – ICGCSC-17

Senior Assistant Professor

Department of Civil Engineering

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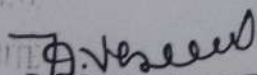
ICGCSC-2017

### Paper Presentation Certificate

This is to certify that Dr/Prof/Mr/Ms.....Sanjay S  
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entitled Treatment of Dairy Wastewater Aided with Simultaneous Electricity..  
.....Generation Using Dual Chambered Microbial Fuel Cell.....  
in the session of .....Environmental Engineering.....during the  
International Conference on "Global Civil Engineering Challenges in Sustainable  
Development and Climate Change" [ICGCSC-17] on 17<sup>th</sup> and 18<sup>th</sup> March 2017,  
organized by the Department of Civil Engineering, Mangalore Institute of  
Technology and Engineering (MITE), Moodbidri, in association with Local  
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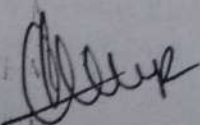
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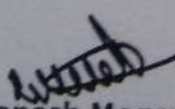
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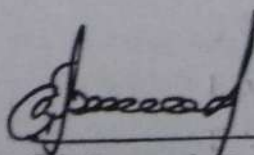
  
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Conference Chair



for G. S. Dwarakesh  
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No.:

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d				
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Prepared by

Principal

PRINCIPAL

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