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(Affiliated to Visvesvaraya Technological University Belagavi)

Badaga Mijar, Moodabidri-574225, Karnataka

# 3.2.2 Conference/Workshops/Seminars Conducted on Research Methodology, Intellectual Property Rights (IPR) & Entrepreneurship PART I

	<b>Conference</b>					
Sl. No.	Date	Activity	List of Enclosure	Page No.		
			Brochure	1-12		
			Report	13-14		
1	30.01.2020 & 31.01.2020	Global Conference on Advanced Smart and Sustainable	-	15		
	31.01.2020	Technologies in Engineering (GCASSTE) – 2020	Index Page of Conference Proceedings	16-28		
			News Paper Report of the event	29-30		



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	2   13.08.2018   International Conference on "Distributed Computing, VLSI, Electrical circuits and Robotics"	Brochure	31-38	
		"Distributed Computing, VLSI,	Report	39-41
2			Sample Certificate	42
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	International Conference on "Advances in Manufacturing, Materials and Energy Engineering" (ICon MMEE 2018)		Brochure	47-54
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		<i>8</i>	Sample Certificate	57
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			News Paper Report of the event	68
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	17.03.2017 &	Global Civil Engineering Challenges in Sustainable		86
4	18.03.2017	<b>Development and Climate Change</b>	Index Page of Conference Proceedings	87-92
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	26.02.2016	Advanced Trends in Civil Engineering and Sustainable	Report	96-99
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Jointly Organised by:

Civil Engineering | Computer Science and Engineering | Electronics and Communication Engineering | Mechanical Engineering

#### MANGALORE INSTITUTE OF TECHNOLOGY & ENGINEERING

An ISO 9001: 2015 Certified Institution, Accredited by NAAC and 4 Courses Accredited by NBA
A Unit of Rajalaxmi Education Trust\*, Mangalore, Karnataka, INDIA
(Affiliated to the Visvesvaraya Technological University (VTU), Belagavi, Karnataka)
(Approved by the All India Council for Technical Education (AICTE), New Delhi)
Badaga Mijar, Moodabidri – 574225 Ph. 08258-262695 to 99 www.mite.ac.in

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## THE HOST INSTITUTION

The Mangalore Institute of Technology & Engineering (MITE) was established in the year 2007, by the Rajalaxmi Education Trust® with perseverance for excellence, to foster innovation, and to prepare the students for a global career. Here at MITE, we believe that education is the manifestation of perfection in a human being and we instil the most needed human values and ethics in our students. MITE has made a name for itself as one of the most elite Engineering Institutes in a very short span of time.

Located amidst the nature's bliss, the lush green, serene campus, spread over 74 acres, houses the best in-class infrastructure offering 7 Undergraduate, and several Postgraduate and Research Programs. MITE has collaborations with Binghamton University, the State University of New York, USA, ITE West Singapore, MDIS Singapore and Kumamoto University, Japan.

The campus also has the coveted **Siemens Center of Excellence** for Digital Design, Validation & Digital Manufacturing and **Bosch Rexroth Center of Competence** in Automation Technologies. MITE has established a state-of-the-art Incubation Center with a grant of INR 1.2 Crores from the Government of Karnataka and INR 65 Lakhs from MSME, the Government of India, which has become a hub of opportunities for the budding entrepreneurs.

Conceding the fact that each individual exhibits innovation inherently, MITE has established a campus that would aid students to manifest their true selves by promoting effective learning, and creativity, to ensure that they become formidable individuals to 'Invent Solutions'.

#### MITE OFFERS THE FOLLOWING COURSES



#### **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 and Engineering
- Mechatronics

#### МВА

- FinanceMarketing
- HR

#### **Research Centres @ MITE**

- Civil Engineering
- Computer Science and Engineering
- Electronics and Communication Engineering
- Mechanical Engineering
- Mathematics
- Physics
- ▶ Chemistry

#### \* NBA Accredited Courses

#### **ORGANIZING COUNCIL**

#### **Chief Patron**

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Chairman, Rajalaxmi Education Trust®, Mangalore, INDIA

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#### Dr. Vinavambika S Bhat

Professor & Head, Dept. of Electronics and Communication Engg., MITE, Moodabidri, INDIA

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GCASSTE-2020 | 30th & 31th JANUARY 2020



## ABOUT THE CONFERENCE

MITE is organizing a two day Global Conference on "Advanced Smart and Sustainable Technologies in Engineering" (GCASSTE-2020) that deals with the advanced technologies in the fields of Civil Engineering, Mechanical Engineering, Electronics and Communication Engineering & Computer Science and Engineering. The objective of the conference is to help in solving critical engineering problems, improving the overall quality of life and hence benefitting the society at large. With engineering turning into an inter-disciplinary endeavor, conglomeration of scientists, researchers, academicians and professionals from varied fields are essential to find solutions that would accelerate sustainable growth. Resonating with this fact, the multi-faceted Global Conference embraces a paradigm shift and unequivocally aims at providing a unique opportunity to exchange academic and professional experience in smart and sustainable technologies.

The conference would broaden the perspectives and would indeed aid the delegates to explore avenues of research, contemplate, augment and comprehend new approaches through the keynote lectures by the distinguished speakers. The Global Conference aims to be cohesive and concise and will encourage discussion on the latest innovations, trends and practical concerns and challenges faced in these distinctive fields.

#### ADVISORY COMMITTEE



**Dr. Alok Rastogi**, Associate Professor, Binghamton University, USA

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Dr. Prashanth Kumar H, Asst. Professor, Dept. of Electronics and Communication Engg., NITK, Suratkal, INDIA



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#### **PUBLICATION**

The selected and good quality papers will be recommended for publication either in Scopus Indexed Journal or Springer Book Series (Indexed by Scopus)



The "Best Paper Award" will be given from each discipline based on the recommendations by the Technical Chair and Co-chair

IMPORTANT DATE	ES .
Submission of Abstract	1 <sup>st</sup> September 2019
Intimation of Abstract Acceptance	15 <sup>th</sup> September 2019
Submission of Full-Length Paper	1 <sup>st</sup> November 2019
Acceptance of Full-Length Paper	1 <sup>st</sup> December 2019
Registration Deadline	15 <sup>th</sup> December 2019
Conference Date	30 <sup>th</sup> - 31 <sup>st</sup> January 2020



	REGISTRATION FEE	
AN	Industry Professionals	
D I	Academicians	3,750 INR *
IN	Research Scholars	2,750 INR *
INTERNATIONAL	Industry Professionals / Academicians / Research Scholars	200 USD*



	PUBLICATION CHARGES	I N D I AN PARTICIPANTS	INTERNATIONAL PARTICIPANTS
	Mechanical Engineering Stream	10,000 INR *	150 USD *
Scopus Indexed	Computer Science and Engineering Stream	12,500 INR *	180 USD *
Journal	Civil Engineering & Electronics and Communication Engineering Streams	7,500 INR *	110 USD *
	Springer Book Series (Scopus Indexed)	3,500 INR *	50 USD *

<sup>\*</sup> The copies of the MoU which contains the Discounted Prices for Publication will be available in the Conference Website

#### **PAYMENT DETAILS**

Registration fee by DD should be drawn in favour of "Chief-Coordinator MITE Seminar & Workshops" payable at Vijaya Bank, Moodabidri Branch. The fee can also be paid through RTGS/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
IFSC Code : VIJB0001149
Swift Code : VIJBINBBMLR
Bank Telephone No. : 08258 - 237452

Postal/ZIPCode : 574225 State : Karnataka

Country Code : +91



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<sup>\*</sup> The publication of the papers will be subjected to the acceptance by the publishers after Peer Double Blind Review

<sup>\*</sup> Participation certificates will be issued to all the participants

<sup>\*</sup> Registration fee covers CD of abstract Proceedings, Refreshment, Lunch and Dinner.

#### **ACCOMMODATION**

Accommodation will be arranged on request with following Tariff which includes Breakfast

#### Star Hotel in Mangalore\*

- For Single Occupancy: INR 4000 per day
- For Double Occupancy: INR 4750 per day

#### Hotel Rooms in Moodabidri\*

- AC: INR 1350 per day
- Non AC: INR 850 per day
- \* Taxes Extra

#### **CONFERENCE VENUE**

Mangalore Institute of Technology and Engineering (MITE), Moodabidri, Karnataka, INDIA

#### **CALL FOR PAPERS**

The authors are requested to submit the abstracts on or before 1<sup>st</sup> September, 2019 through EasyChair. The abstracts are to be submitted in English, not exceeding 300 words. The full length paper should be submitted on or before 1<sup>st</sup> November, 2019. The total number of pages should be limited to 8 and it should be submitted in the format provided on the website. The papers will be Peer Double Blind Reviewed by the Technical Committee and the corresponding authors of the accepted papers will be intimated within 1<sup>st</sup> December, 2019.

The conference website and the Email ID are as provided below:

Website: https://miteconference.org

E-mail: gcasste@mite.ac.in

The paper should include the following details:

- 1. Name of the Author/Authors
- 2. Affiliation
- 3. Contact Number
- 4. Email ID of the Corresponding Author



#### **CONFERENCE THEMES**

#### **Civil Engineering**

- ▶ Challenges and Issues in Civil Engineering
- ▶ Earth Science and Coastal Engineering
- ▶ Advances in Structural Engineering
- Composite and Smart Materials
- ▶ Remote Sensing and GIS Applications / Drone Engineering
- ▶ Recent Technologies in Transportation & Highway Engineering
- Geological, Geotechnical & Geoenvironmental Engineering
- ▶ Alternative Construction Materials and Technologies
- Water Resources and Irrigation Engineering
- ▶ Environmental Engineering & Environmental Law

## **Electronics and Communication Engineering**

- Communications
- Signal and Image Processing
- Embedded Systems
- Nanoelectronics and Microelectronics
- Microprocessor and Microcontroller
- Very Large Scale Integration (VLSI)
- ▶ Field-Programmable Gate Array (FPGA) in Outer Space
- Nanotechnology
- Humanoid Robots
- Green Technologies for Smart Cities



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#### **CONFERENCE THEMES**

#### **Mechanical Engineering**

- Mechanical Design and Manufacturing
- Sustainability and Energy Conservation
- ▶ Composites, Smart Materials and their Machining
- Nano Materials and Manufacturing
- ▶ Thermal Engineering
- Automation and Robotics
- ▶ Advances in Automobile Industry
- Quality Management and Optimization
- Tribology
- Vehicle Dynamics
- ▶ Fracture Mechanics and Stress Analysis
- Noise and Vibration
- ▶ Mechatronics and other Interdisciplinary Areas
- ▶ Heat Treatment and Surface Engineering
- ▶ Modeling and Simulation Concepts in Manufacturing
- Maintenance and Machine Diagnostics

#### **CONFERENCE THEMES**

## **Computer Science** and Engineering

- ▶ Computer Networks & Internet Technologies
- ▶ Information Security
- ▶ Database and Distributed Computing
- Natural Language Processing
- ▶ IoT and Edge Computing Applications
- Genetic Algorithms
- Artificial Neural Networks (ANN)
- ▶ Big Data, Data Science and Data Mining
- Cloud Computing
- ▶ Computer Vision and Image Processing
- ▶ Pattern Recognition
- ▶ Robotic Process Automation (RPA)
- Machine Learning and Deep Learning

#### **Contact Us**

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Badaga Mijar, Moodabidri-574225, Karnataka

#### Global Conference on Advanced Smart and Sustainable Technologies in Engineering (GCASSTE)-2020

Two-day "Global Conference on Advanced Smart and Sustainable Technologies in Engineering (GCASSTE 2020)" was jointly organized by the Department of Civil Engineering, Electronics & Communication Engineering and Mechanical Engineering from 30<sup>th</sup> to 31<sup>st</sup> January 2020. GCASSTE 2020was patronized by MITE, and sponsored bythe All India Council for Technical Education (AICTE), New Delhi under the scheme of Grant for Organizing Conference. The conference was inaugurated by Chief Guest Dr. Prahlad V, National University of Singapore (NSU), Singapore. He highlighted the significance of participating in conferences and motivated budding researchers to involve in innovative technology. The conference covered advanced technologies that are more sustainable, solving critical engineering problems improving the overall quality of life andthereby benefitting the society at large. The program was presided by Mr. Rajesh Chouta, Chairman Rajalaxmi Education Trust, Mangalore.

The conference had received 220 full-length papers from across the globe including countries like USA, Dubai, Singapore, Japan, Indonesia, and Nigeria. After thorough scrutiny and review, 169 papers were selected and presented at different tracks in the two-day conference. The Conference also had eminent keynote speakers from Singapore and Indonesia.



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Badaga Mijar, Moodabidri-574225, Karnataka



Conference was inaugurated and keynote addressed by Chief Guest Dr. Prahlad V, National University of Singapore (NSU), Singapore

Head of the Dept of Mechanical Englineering

Mangalore Institute of Technology 574 225

Badaga Millar, Meo DBIDRI 574 225



## GLOBAL CONFERENCE ON ADVANCED SMART & SUSTAINABLE TECHNOLOGIES IN ENGINEERING





## GCASSTE-2020

Organized by

#### MANGALORE INSTITUTE OF TECHNOLOGY & ENGINEERING

(An ISO 9001:2015 Certified Institution, Accredited by NAAC)
(A Unit of Rajalaxmi Education Trust®, Mangalore)

## PAPER PRESENTATION CERTIFICATE

This is to certify that Mr. Sathisha has presented a paper entitled Adaptive Wireless Charging System for Electric Vehicles in the Global Conference on Advanced Smart & Sustainable Technologies in Engineering held at MITE, Moodabidri, India on January 30° & 31°, 2020.

Dr. Rajashekar C. R

Co-ordinator

Dr. G L Easwara Prasad Principal

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### PROCEEDINGS (Abstract) OF GLOBAL CONFERENCE

ON

## "ADVANCED SMART AND SUSTAINABLE TECHNOLOGIES IN ENGINEERING"



## GCASSTE-2020

30th & 31st JANUARY, 2020

JOINTLY ORGANISED BY -

DEPARTMENT OF CIVIL ENGINEERING, ELECTRONICS & COMMUNICATION ENGINEERING AND MECHANICAL ENGINEERING

#### MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING

(An ISO 9001:2015 Certified Institution, Accredited by NAAC and 4 Courses Accredited by NBA)

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### Global meet on smart and sustainable technologies

Mangaluru: Mangalore Institute of Technology & Engineering (MITE) is organising a two day Global Conference on Advanced Smart and Sustainable Technologies in Engineering on January 30 and 31. A release said the conference deals with the advanced technologies that are more sustainable, solving critical engineering problems, improving the overall quality of life and hence benefitting the society at large. Dr Prahlad Vadakkepat, Professor, Electrical & Computer Science Engineering, National University of Singapore (NUS) would be delivering a keynote on AI, Robotics and Industry 4.0. Dr Bambang istijono, Centre for D S, Andalas University, Indonesia would be presenting a keynote on the reduction of floods caused by rain using infiltration wells and rain reservoirs in Padang city, ENS

## THE TIMES OF INDIA; MANGALURU WEDNESDAY, JANUARY 29, 2020

## Two international conferences at MITE from tomorrow

TIMES NEWS NETWORK

Mangaluru: The Mangalore Institute of Technology and Engineering (MITE), Moodbidri, will host a two-day global conference on 'Advanced Smart and Sustainable Technologies in Engineering (GCAS-STE)-2020' from Thursday.

The conference jointly organised by civil, electronics and communication and mechanical engineering departments, deals with advanced technologies that are more engineering problems, improving the overall quality of life and hence benefiting the society at large.

With engineering turning into an interdisciplinary endeavour, the conglomeration

of scientists, researchers, academicians and professionals from varied fields are essential to finding solutions that would accelerate sustainable growth. The conference had received 220 full-length papers from across the globe.











# 2018 IEEE International Conference on Distributed Computing, VLSI, Electrical Circuits and Robotics (DISCOVER)











Conference Id - 43909

13<sup>th</sup> & 14<sup>th</sup> August 2018

Venue: MITE Campus

#### Hosted by

#### Mangalore Institute of Technology & Engineering

(An ISO 9001:2008 Certified Institution) (A Unit of Rajalaxmi Education Trust (R.), Mangaluru) Affiliated to VTU, Belagavi and approved by AICTE, New Delhi Badaga Mijar, Moodbidri - 574 225, D.K., India



#### **About Mangalore Institute of Technology & Engineering (MITE)**

Mangalore Institute of Technology & Engineering (MITE) was established in the year 2007 by Rajalaxmi Education Trust® to fulfill the growing needs of the industry and aspirations of young students of Dakshina Kannada District and other parts of the country. In the 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, Digital validation & Digital Manufacturing. The value of software granted to the institute is around US \$79 million. BOSCH-REXORTH has instituted a regional center for 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 is going on at the moment.

MITE is located amidst lush greenery and a serene ambience in Moodbidri. The MITE campus spreads over an area of 74 acres in the sylvan surroundings near Mijar en route to Karkala. Integrating modern design, construction technology and eco-friendly techniques, the campus provides the right setting to the students for effective learning. The institute has a world class infrastructures and state-of-the-art lab facilities. It offers 7 UG and 7 PG courses, viz:

#### **UG Programmes - Bachelor of Engineering**

- Aeronautical Engineering
- ▶ Civil Engineering
- ► Computer Science & Engineering
- ➤ Electronics & Communication Engineering
- ► Information Science & Engineering
- Mechanical Engineering
- Mechatronics Engineering

#### **PG Programmes - Master of Technology**

- ➤ Computer Science & Engineering
- Computer Network Engineering
- ▶ Digital Electronics & Communication
- Mechatronics
- Machine Design
- Nanotechnology
- VLSI & Embedded System Design

#### **MBA Programmes**

- Banking & Finance
- Finance
- Human Resources Management
- Marketing

#### **Research Centers**

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

#### **About Binghamton University**

Binghamton University, is a public research university with campuses in Binghamton, Vestal, and Johnson City, New York, United States. Since its establishment as Triple Cities College in 1946, the school has evolved from a small liberal arts college to a large doctoral-granting institution. Presently consisting of seven colleges and schools, it is now home to more than 17,250 undergraduate and graduate students. Binghamton is one of the four university centers in the State University of New York (SUNY) system.

Binghamton University is ranked 8th Best Public University and 15th overall amongst '25 Best Value Colleges 2016' by Forbes Magazine. Binghamton has been ranked by U.S. News & World Report 2017 as one of the top 50 Public Universities for 18 consecutive years. Currently, the University is executing and planning several projects to accommodate growth in the student body, research capacity and quality of education. The university is designated as an advanced research institution, with a division of research, an independent research foundation, several research centers including a New York State Centre of Excellence and partnerships with other institutions. In the fiscal year 2016, the university had research expenditures of US \$ 39.8 million.

Binghamton University students, both undergraduate and graduate, work one-on-one with exceptional faculty and ground-breaking scholars. They take advantage of special academic opportunities like combined degrees, foreign language study groups and an unparalleled international education program.

#### **About IEEE Mangalore Sub Section**

IEEE Mangalore Sub-Section approved by MGA Board on 23rd Nov. 2013 is dream of Engineers in general and IEEE Members of Coastal Region of Karnataka in particular. The efforts of more than 90 members in this region covering 30 odd Engineering colleges and Many Industries in the geographical area of S. Kanara, Udupi, North Kanara, Chikmagalur, Shimogga and Coorg Districts of Karnataka.

#### **Objectives of the Conference**

2018 IEEE International Conference on Distributed Computing, VLSI, Electrical circuits and Robotics (DISCOVER) is being conducted by the IEEE Mangalore Sub-Section (R0011901) at Mangalore Institute of Technology & Engineering (MITE), Moodbidri, Mangalore, India. A series of Keynote Talks, followed by paper presentations and poster presentations have been planned to foster strong networking among the delegates. Accepted and presented papers will be published in IEEE Xplore® Digital Library (Conference ID: 43909) through the IEEE Conference Publications Program (CPP). DISCOVER solicits paper submissions across five tracks as listed below. Kindly note that the submissions are not limited to the topics mentioned in each track. Technical Program Committee of DISCOVER will select One Best Paper in each of the tracks mentioned below. Best Paper Awards will be announced and distributed during the Conference.

#### **Call for Papers**

DISCOVER solicits Paper submission in five tracks as listed below. Kindly note that the submissions are not limited to the topics mentioned in each track.

#### I. Distributed Computing

Multi-core Architecture, Parallel & Distributed Systems, Agent-Based Systems, Autonomic Computing, Mobile & Ubiquitous Computing, Service-Oriented Computing, Scalable Servers and Systems, GPU Programming, Parallel & Distributed Algorithms

#### 2. Communications

Network algorithms, Network Control & Management, Disaster Recovery of Networks, Cognitive Communications, Wireless Sensor Networks, Software Defined Networks, Future Internet Architecture, Optical Networks, Internet of Things, Network Performance Analysis.

#### 3. VLSI

VLSI Circuits and Systems, RF Circuit Design and Testing, Emerging Trends in VLSI, Reconfigurable Systems, System on Chip, Heat Dissipation Analysis, Design of MEMS Devices, Optical MEMS Devices, Analog / Mixed Signals, RF Circuit Analysis.

#### 4. Electrical/Electronic Circuits

Electrical AC/DC Circuits, Analog and Digital Circuits, High-speed/low-power circuits, Near and sub-threshold circuits, Nonlinear Circuits & Systems, Neural/fuzzy-logic circuits, Energy efficient circuits, FPGA based systems.

#### 5. Robotics

Robotic Technologies, Robots for Industrial Applications, Robots for Domestic Premises, Robots for Education, Robots for Health Care, Robots for Transportation, Robots for Commercial Usage, Humanoids.

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#### Important Dates

Paper submission deadline: Sunday, March 18, 2018
Acceptance notification: Monday, April 30, 2018
CRC submission deadline: Sunday, May 20, 2018
Last date for registration: Sunday, May 20, 2018
Conference dates: August 13-14, 2018
(Monday & Tuesday)

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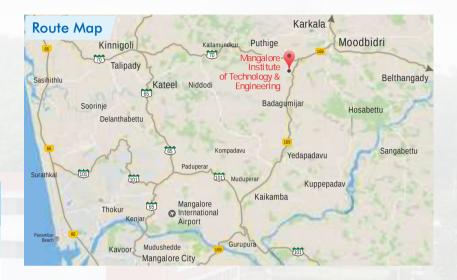
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## International Conference on Distributed Computing, VLSI, Electrical Circuits and Robotics 'DISCOVER'

IEEE International Conference on Distributed Computing, VLSI, Electrical Circuits and Robotics (DISCOVER) was conducted at Mangalore Institute of Technology & Engineering (MITE), Moodbidri on 13<sup>th</sup> and 14<sup>th</sup> August 2018. The conference was jointly organized by IEEE Mangalore sub-section and MITE. The aim of the conference was to create an opportunity for the researchers of various Colleges / Universities / Industries / Research Organizations to exhibit and present their innovation, creativity and research. Dr. Tulika Mitra, Professor, School of Computing, National University of Singapore inaugurated the conference. Prof. Alok Rastogi, Department of Electrical and Computer Engineering, The Watson School of Engineering and Applied Sciences, Binghamton University delivered a keynote address. He explained about the various semiconductor devices and the process involved in the manufacturing of semiconductor chips, non-volatile memory and photovoltaic cells. Total 130 papers were received from all over the globe. However, after three rounds of peer review, to maintain the quality of the papers 50 papers were selected for conference presentation. The conference presentations were conducted in 5 different tracks namely distributed Computing, Communication, VLSI, Electrical and Communication Circuits and Robotics.



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Keynote address by Prof. Alok Rastogi, Department of Electrical and Computer Engineering, The Watson School of Engineering and Applied Sciences, Binghamton University



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#### SUNDAY TIMES OF INDIA, MANGALURU AUGUST 12, 2018

#### Int'l conference:

Mangalore Institute of Technology and Engineering and IEEE Mangalore sub-section will organize the 2018 IEEE International Conference on distributed computing, VLSI, electrical circuits and robotics (DISCOVER) at MITE, Moodbidri, at 9.30am on Monday. Rajesh Chouta, chairman, MITE Moodbidri, is the president and Tulika Mitra, professor of computer science, School of Computing, National University of Singapore, will be the chief guest.







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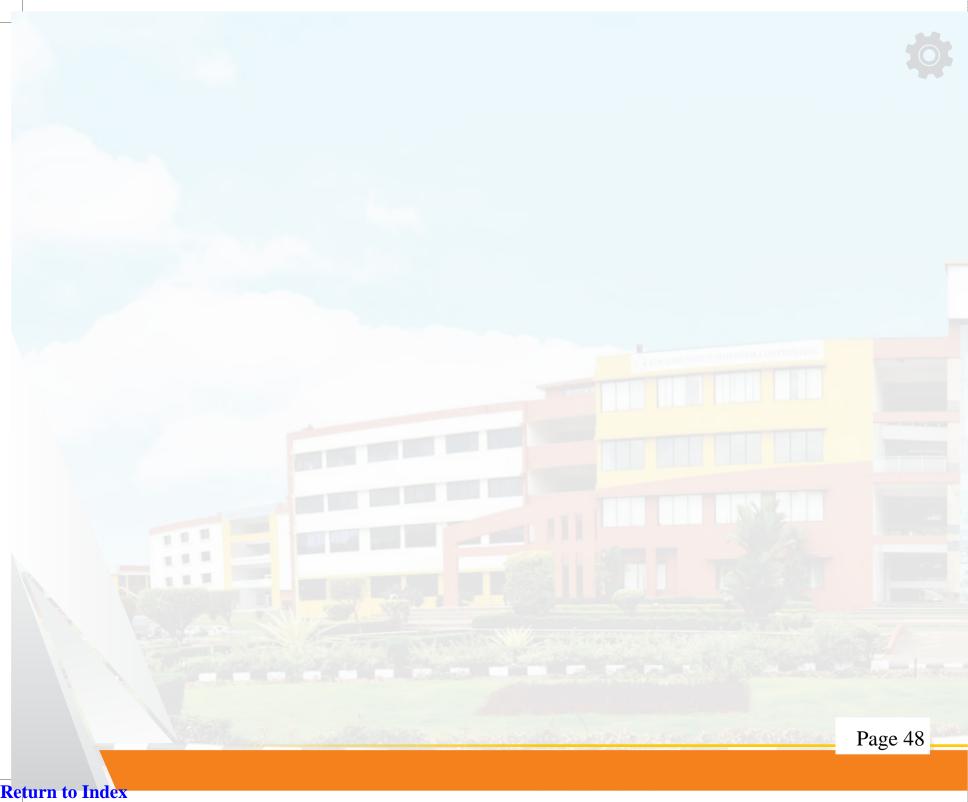
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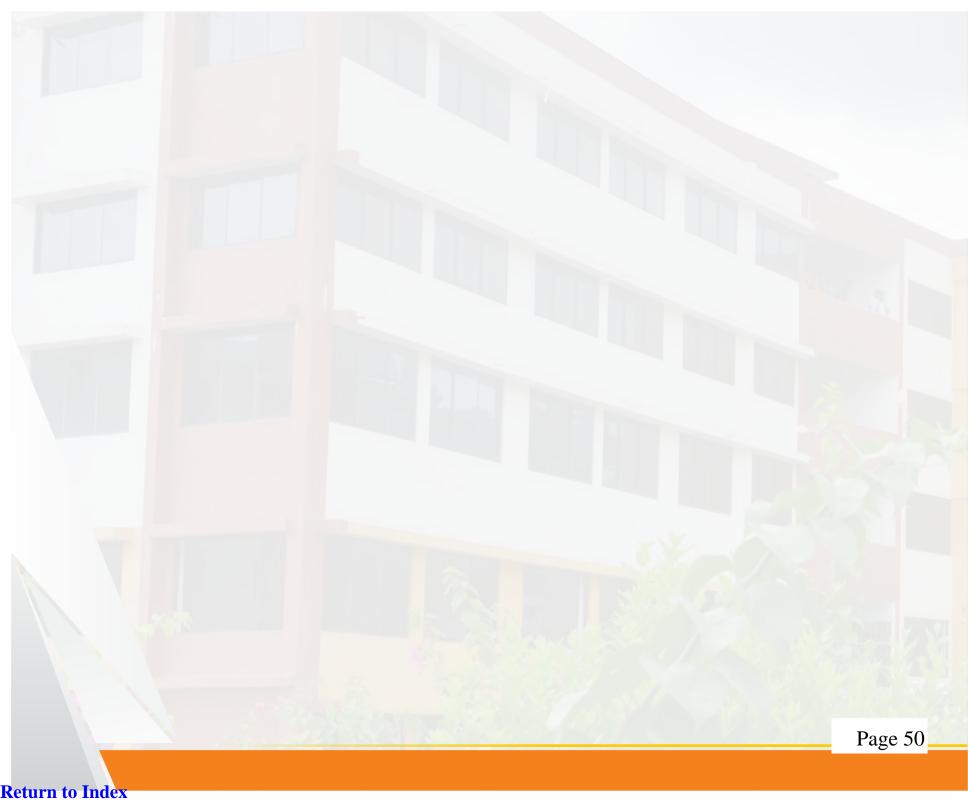


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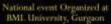
















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## International Conference on Advances in "Manufacturing, Materials and Energy Engineering" (ICon MMEE 2018)



Conference was inaugurated by Dr. Krishnaswami (Hari)Shrihari, Dean and Professor,
Binghamton University – State University of New York

The international conference on "Advances in Manufacturing, Materials and Energy Engineering" (ICon MMEE 2018) was jointly organized by Department of Mechanical Engineering, Mangalore Institute of Technology & Engineering, Moodbidri and Binghamton University, New York, during the 2<sup>nd</sup> and 3<sup>rd</sup> March 2018. The event brought together various domain experts, academicians and researchers from academic institutions and industries with the objective of keeping abreast about the recent trends in research and development in the diversified fields of Mechanical Engineering. Dr "Krishnaswami 'Hari' Shrihari, Dean and Professor, Binghamton University – State University of New York has inaugurated the



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International Conference. In his inaugural address, he threw light on the need to integrate the knowledge of compartmentalized disciplines such as materials, manufacturing, energy engineering etc. so as to achieve rapid technological progress. He also emphasized on the fact that entrepreneurship in India has its genesis in establishment of banking institutions byquoting the major banks in the region. The inaugural ceremony was followed by keynote addresses from Dr Krishnaswami (Hari) Shrihari, Dr K P Ramachandran, Associate Dean(Postgraduate Studies & Research), Caledonian College of Engineering, Muscat, Sultanate of Oman, Dr Paul R Chiarot, Associate Professor, Binghamton University, State University of New York, Dr. Mohammad T Khasawneh, Professor and Chair, Systems Science & Industrial Engineering, State University of New York at Binghamton and Dr Shuichi Torii, Professor, Kumamoto University, Japan.



International Conference proceedings volume released by Dr. Krishnaswami Shrihar

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0058_IConMMEE2018.pdf	Karthik	Manufacturing Engineering	A Study on Fatigue Characteristics of Al-SiC Metal Matrix Composites Processed Through Microwave Energy
0069_IConMMEE2018.pdf	Dayananda	Manufacturing Engineering	A Study on Compressive Strength Attributes of Jute Fiber Reinforced Cement Concrete composites
0070_IConMMEE2018.pdf	Bindusara	Manufacturing Engineering	A Study on Mechanical Properties of Symmetrical and Asymmetrical Woven Jute Fiber Composite Polymer
0071_iConMMEE2018.pdf	Manjunatha	Manufacturing Engineering	Effect of amount of boron carbide on wear loss of Al6061 matrix composite by Taguchi technique and response surface analysis
0072_IConMMEE2018.pdf	Hallad	Manufacturing Engineering	Graphene reinforced natural fibre (Henquin) nano composites for structural application
0073_IConMMEE2018.pdf	Sajjan	Manufacturing Engineering	Development and characterization of Silicon Carbide incorporated Graphene Amine-based Polymer nanocomposites for structural applications
0074 IConMMEE2018.pdf	Hallad	Manufacturing	Keylar reinforced Polymer matrix composite for structural applications

		Engineering	
0075_IConMMEE2018.pd	Joshi	Manufacturing Engineering	A comparative study of mechanical properties of as cast and heat treated AI6063-MWCNT composite fabricated by stir casting process
0076_IConMMEE2018.pdf	Mohan	Manufacturing Engineering	Smart turn indicators
0077_IConMMEE2018.pdf	Naveen	Manufacturing Engineering	Role of Graphene oxide and addition of MoS2 in HDPE matrix for improved tribological properties
D078_IConMMEE2018.pdf	Sajjan	Manufacturing Engineering	Preparation of Polymer electrolyte Hydrogels using Poly(Vinylalcohol) and Tetraethylorthosilicate for battery applications
0079_IConMMEE2018.pdf	Bekal	Mechatronics and Materials engineering	Review on materials processing through microwave energy
0080_IConMMEE2018.pdf	Mendonca	Mechatronics and Materials engineering	Influence of Aluminium Oxide nanoparticles in a compression ignition engine with Simarouba biodiesel
0081_IConMMEE2018.pdf	Mahadev	Mechatronics and Materials engineering	A review on prodution of Aluminium metal foams
0082_IConMMEE2018.pdf	Bhanupratap	Mechatronics and Materials engineering	Morphological study of the flexural behaviour of nanoclay filled Jute/Kevlar reinforced Epoxy hybrid composite
0083_IConMMEE2018.pdf	Karthik	Mechatronics and Materials engineering	Study and analysis of torque handling capacity of slot headed grub screw
0084_IConMMEE2018.pdf	Sagar	Mechatronics and Materials engineering	Effect of solutionizing and ageing on hardness of Aluminum Im13-MgO particulate metal matrix composite
0085_IConMMEE2018.pdf	Varma	Mechatronics and Materials engineering	The effect of TiC on microstructure and mechanical properties of AA 2024 MMCs
0086_IConMMEE2018.pdf	Alok	Mechatronics and Materials engineering	Experimental study on vapor adsorption refrigeration system with Carbon- Methanol pair
0087_IConMMEE2018.pdf	Shetty	Mechatronics and Materials engineering	Detection of intruders in wear houses using infrared based thermopile sensor array
0088_IConMMEE2018.pdf	Madhusudhana	Mechatronics and Materials engineering	Experimental study on fracture toughness of natural fibres reinforced hybrid composites
0089_IConMMEE2018.pdf	Kumar	Mechatronics and Materials engineering	A study on diesel engine using waste cooking oil with biotic additive

0105_IConMMEE2018.pdf	Somashekhar	Mechatronics and Materials engineering	Study of mechanical properties of coconut shell powder and Tamarind shell powder reinforced with Epoxy composites
0104_IConMMEE2018.pdf	Bellubbi	Mechatronics and Materials engineering	Reduction in through put time of drum shell manufacturing by single-v welding configuration
0103_IConMMEE2018.pdf	Ali	Mechatronics and Materials engineering	Fuel cells- a signpost to future
0102_IConMMEE2018.pdf	Ramesh	Mechatronics and Materials engineering	Design of efficient powertrain system for a motorsports race car using a bike engine.
0101_IConMMEE2018.pdf	Naik	Mechatronics and Materials engineering	Design of effective hydraulic braking system for formula motorsport car.
0100_IConMMEE2018.pdf	Ramesha	Mechatronics and Materials engineering	A study on mechanical properties of Al-17 Si metal matrix composites.
0099_IConMMEE2018.pdf	Harish	Mechatronics and Materials engineering	Impact of ball burnishing process parameters on surface integrity of an Aluminium 2024 alloy
0098_IConMMEE2018.pdf	Santosh	Mechatronics and Materials engineering	A review: Mechanical properties of his steel by deep cryo-treatment
0097_IConMMEE2018.pdf	Kumar	Mechatronics and Materials engineering	Study on the effect of varying volume fraction on mechanical properties of coconut shell powder reinforced Epoxy matrix composites
0096_IConMMEE2018.pdf	Kumaraswamy	Mechatronics and Materials engineering	Effect of stirring parameters on microstructure and mechanical properties of Aluminum hybrid metal matrix composite
0095_IConMMEE2018.pdf	Venkatesh	Mechatronics and Materials engineering	Comparative investigations on Al7075 MMC reinforced with wt. 9/6 Al2O3 and B4C
0094_IConMMEE2018.pdf	Sankar	Mechatronics and Materials engineering	Suspension design and testing of an all-terrain vehicle using multi-body dynamics approach.
0093_IConMMEE2018.pdf	Huddar	Mechatronics and Materials engineering	Experimental investigations on electrical heat-assisted drying of Cashew Kernels
0092_IConMMEE2018.pdf	Kulkami	Mechatronics and Materials engineering	Conductivity measurements of transition metal doped mixed Alkali Bismuth Borate glasses
0091_IConMMEE2018.pdf	Manjunatha	Mechatronics and Materials engineering	Investigations on mechanical behavior of Al7075 - nano B4C composites
0090_IConMMEE2018.pdf	Khandal	Mechatronics and Materials engineering	Effective utilization of waste heat from engine exhaust gas for preheating the fuel to enhance the performance of diesel engine

0106_IConMMEE2018.pdf	Kumar	Mechatronics and Materials engineering	A review on deterioration of mechanical behaviour of high strength materials under corrosive environment
0107_IConMMEE2018.pdf	Naik	Mechatronics and Materials engineering	Effect of 1,2,3 Benzotriazole on the corrosion of aged 18Ni 250 grade maraging steel in Phosphoric acid solution
0108_IConMMEE2018.pdf	Kharusi	Design engineering	Electrically operated multipurpose trolley
0109_IConMMEE2018.pdf	Kumar	Design engineering	Vibration based fault diagnosis techniques for rotating mechanical component: review paper
0110_IConMMEE2018.pdf	Kumar	Design engineering	Review on condition monitoring of bearings using vibration analysis techniques
0111_IConMMEE2018.pdf	Nandini	Design engineering	Structural behavior of non-prismatic Mono-symmetric beam
0112_IConMMEE2018.pdf	Patel	Design engineering	Teaching learning based optimization of squeeze casting process for quality castings
0113_IConMMEE2018.pdf	Kulkami	Design engineering	An experimental study of use of Fly ash (type-C & type-F) for shell moulding
0114_IConMMEE2018.pdf	Jayaraj	Design engineering	Robotics in construction industry
0115_IConMMEE2018.pdf	D'Mello	Design engineering	Surface roughness prediction in high speed turning of Ti-6Al-4V: A comparison of techniques
0116_IConMMEE2018.pdf	Naik	Design engineering	The benefits of energy efficiency in small and medium enterprises
0117_IConMMEE2018.pdf	Pai	Design engineering	A study on usage of total productive maintenance in selected SMEs
0118_IConMMEE2018.pdf	Raghavendra	Design engineering	Optimization of surface roughness in turning Operation in machining of Ti- 6Al- 4V (Titanium grade -5)
0119_IConMMEE2018.pdf	Addamani	Design engineering	Estimation and comparison of welding performances in p- GMAw using MRA and ANN for SS 304I material
0120_IConMMEE2018.pdf	Gurupavan	Design engineering	Machine vision system for correlating wire electrode status and machined surface in WEDM of AISi3N4 MMC's
0121_IConMMEE2018.pdf	Khavekar	Design engineering	Analysing the need for a comparative study of Shainin doe and traditional doe tools for deploping Six-sigma in Indian manufacturing companies
0122_IConMMEE2018.pdf	Deshmukh	Design engineering	A combined approach for supplier selection using AHP and fuzzy AHP in Indian gear manufacturing MSMES

0123_IConMMEE2018.pdf	Romesh	Design engineering	Advancements in the research of 4D printing-a review
D124_IConMMEE2018.pdf	Rnmesh	Design engineering	Energy efficient hydraulic clamping system using variable frequency drive in a CNC machine
0125_IConMMEE2018.pdf	Shalkh	Design engineering	Review and analysis of issues related to the implementation of knowledge management practice in Indian automotive SMEs
0126_)ConMMEE2018.pdf	Rishi	Design engineering	Implementing the lean framework in a small medium enterprise (SME) - a case study in a printing press
0127_IConMMEE2018.pdf	Vishwas	Design engineering	Effect of machining parameters on surface integrity during dry turning of A/Si 410 Martensiticstainless steel
0128_IConMMEE2018.pdf	Gadad	Design engineering	Fabrication and development of magnetically actuated POMs Micropump for drug delivery
0129_IConMMEE2018.pdf	Shettigar	Design engineering	Electrical energy amplifying generator
D130_IConMMEE2018.pdf	Singh	Design engineering	Genetic algorithm approach for optimizing surface roughness of near dry EDM
0131_IConMMEE2018.pdf	Mahesh	Design engineering	Finite element wear behavior modeling of super duplex stainless steel using ANSYS
0132_IConMMEE2018.pdf	Ugrasen	Design engineering	Estimation of machining performances using GMDH and ANN in wire EDM of Cu-1Cr-0.1Zr alloy
0133_IConMMEE2018.pdf	Vishwanatha	Design engineering	Modeling and prediction of surface roughness in Ti-6AI-4V turned surfaces: use of DTCWT image fusion and GLCM
0134_IConMMEE2018.pdf	Prabhu	Design engineering	Multi response optimization of friction stir welding process variables using TOPSIS approach
0135_IConMMEE2018.pdf	Niranjana	Design engineering	Design and analysis of vertical pressure vessel using ASME code and FEA technique
0136_IConMMEE2018.pdf	Prabhu	Design engineering	Optimisation of machine parameters to improve the quality of continuously cast slab
137_IConMMEE2018.pdf	Manjunath	Design engineering	Vibration analysis of Polytetrafluoroethylene (PTFE) deep groove ball bearing
138_IConMMEE2018.pdf	Satish	Design engineering	A Comparative Study of Energy Consumption Pattern and Environmental Impact in Residential Sector of Indian Cities

0139_IConMMEE2018.pdf	Amith	Design engineering	Synthesis and Characterization of Polyvinylpyrrolidone(PVP) Nanofibrous Thin Films

Head of the Dept of Mechanical Enga Mangalore Institute of Technology & Engineering Badaga Mijar, MOODBIDRI - 574 225

## INDIAN EXPRESS

## SATURDAY 03.03.2018

# 'Integrate knowledge of different discplines'

ENS@ Mangaluru

AN international conference on 'Advances in Manufacturing, Materials and Energy Engineering' (ICon MMEE 2018) jointly organised by Department of Mechanical Engineering, Mangalore Institute of Technology & Engineering, Moodbidri and Binghamton University, New York was inaugurated at MITE campus, Moodbidri near here on Friday.

Dr Krishnaswami (Hari) Shrihari, Dean, Binghamton University - State University of New York who inaugurated the conference, stressed the need to integrate the knowledge of compartmentalised disciplines such as Materials, Manufacturing, Energy Engineering etc. so as to achieve rapid technological progress. Also, he emphasised on the fact that entrepreneurship in India has its genesis in establishment of banking institutions by quoting the major banks in the region.

Rajesh Chouta, Chairman, Rajalaxmi Education Trust; Mangaluru, who presided over the function stressed on the roles; played by conferences in exchange of knowledge and technological advancements through interactions between researchers from different parts of the globe.

Dr G L Easwar Prasad, Principal, MITE briefed on the roadmap to success of the institution over a decade since its inception. A release said MITE has signed a Memorandum of Agreement with Binghamton University, New York in 2016. The two institutions agree to foster advancement in teaching, research, academic, collaboration and cultural understanding and to create avenues for enhancing learner experience at both ontities, as well as strengthe Page 68 entities





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

**ICGCSC - 2017** 

17th & 18th March, 2017 Venue: MITE Campus



Organised by

Department of Civil Engineering

MANGALORE INSTITUTE OF TECHNOLOGY & ENGINEERING

(An ISO 900): 2008 Certified Institution)
A Unit of Rajalaxmi Education Trust\*, Mangaiore
(Affiliated to the VTU, Belagavi, Karnataka & Approved by AICTE, New Delhi)

In Association with

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LOCAL CAFET - INNOVA rechinical Society
MITE, Mangalore Chapter

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To.

### 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, Kamataka 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 programes, 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 Enginering studies, at our institute:

The department has established well equipped laboratories such as Strength of materials lab, Geodetic Engg I ab, Mechanics of fluid lab, Earth science and materials lab, Computer aided building drawing lab, Applied hydraulic lab, Concrete and highway materials lat \_\_\_\_\_ Engineering Software Application lab and Environm Page 70 labaratory.

The MITE-Local CAFET INNOVA Technical Mangalore Chapter Society. has been established by the department of Civil Enga. in association with CAFET-INNOVA Technical Society, Hyderabad, it is an International non-profit functioning organisation encourage the teaching faculties, young and students towards the field of talented 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 engo 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 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

### 350

### **Organising Council**

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#### Patron

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#### Technical Chair

Dr. Dwarakish G S. Professor MTK Sureffice/

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### 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. (IJEE), ISSN 0974-5904 [SJR-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" October 2016 Intimation of Abstract acceptance: 15" November 2016 Submission of full length paper: 15" December 2016 Acceptance of full length paper: 30° January 2017 Registration: 15th February 2017 17h & 18h March 2017 Conference Date :



### Registration

Delegates from Academic Institutions : INR 3000A 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): Group Registration (5 and above) : Early bird Delegate Reg. (Before 15" Jan 2017)

150 USD 10% Discount 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 be provided with the nominal charges in the guest houses or the hostels on twin sharing basis depending on the dem and for them and their availability.

### Call for Papers

The ICGCSC-2017 will provide an open forum for the dissemination of the research up-to-date contribution. innovative modeling approaches & the case studies in all the aspects of Civil Engineering practices. The conference technical program will consist of plenary addresses, kampto addresses Page 72 🗊 by eminent scientiacademicians 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 formation or before the deadline through online provision provided in the college international conference website www.miteconference.org /

### Email ID: lcgcsc-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, 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

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### 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, geognds 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

### Constructional and Mining Engineering

- · Open-pit mining
- Underground mining
- · Coal preparation
- Coal Mine Design and Feasibility
- · Minerals processing
- Design methods
- Ground control
- · Support design
- · Mining and subsidence Geomechanics
- Drilling and blasting in constructional engineering materials
- . Ecological issues in mining
- Safe Mining Practices
- Physical & Chemical Processing of Minerals
- Resource Estimation

### 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
- Mining role in constructional engineering
- Issues and Challenges of construction materials excavation

### 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 & mgnt.
- · 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
- · Sold waste management
- · Global change on environment applications
- Nuclear decommissioning and waste management
- Air pollution and control
- · Energy and environment
- . Environmental management and modeling
- Biofules
- Environmental impact assessment and mitigation
- Passive solar buildings
- Buildings, urban life and environment
- · Conserve energy, water & other resources
- Hazardous waste disposal
- Environmental & ecological issues in mining





**Return to Index** 

ICGCSC-17





### Address for Communication

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Badaga Mijar, Moodabidri-574225, Karnataka

### **DEPARTMENT OF CIVIL ENGINEERING**



# INTERNATIONAL CONFERENCE ON "Global Civil Engineering Challenges in Sustainable Development and Climate Change" (ICGCSC - 17) on (17<sup>th</sup> – 18<sup>th</sup> March 2017)

DEPARTMENT OF CIVIL ENGINEERING at MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING, in association with CAFET-INNOVA technical society, MITE chapter is organizing a two-day international conference on "GLOBAL CIVIL ENGINEERING CHALLENGES IN SUSTAINABLE DEVELOPMENT AND CLIMATE CHANGE" during 17<sup>th</sup>-18<sup>th</sup> March, 2017 as a part of **Decennial celebration** of our esteemed institution.

<u>Department of Civil engineering</u> was started at MITE in the year 2012. The Department focuses on overall development of students through innovative teaching and learning. One of the main objectives of the Department is to produce qualified, competent and employable civil engineering graduates to cater the needs of industry and society by imparting requisite knowledge and training in different areas of Civil Engineering and emerging technologies.

A Local CAFET INNOVA Technical Society Centre was started under the Department of Civil Engineering of our institution in association with CAFET-INNOVA Technical Society, Hyderabad. It is an International non-profit organization set up to encourage teaching faculty and young talent especially students towards the field of Research & Development (R&D) and harness their intellectual abilities for the betterment of institution as well as industry.



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Badaga Mijar, Moodabidri-574225, Karnataka

This conference mainly focuses on sustainable development of the world through new and innovative ideas in civil engineering. With increased focus on development; critical roles of civil engineering in addressing the large-scale pressing challenges faced by society around the world are widely recognized. 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 clean drinking water, mitigation of natural and man-made disaster, environmental protection and natural resource management, among various other problems. Mobilizing the civil engineering community to become more effective in delivering real products & services of benefit to society, especially in the developing world, is a vitally important international responsibility. The overall global issues and challenges include: the need to reduce poverty, promote sustainable social and economic development, globalization; and the need to bridge the digital and broader technological and knowledge divides. Specific emerging issues & challenges include: Climate change mitigation, adaptation and the urgent need to move to a lowcarbon future; and calls for increased investment in infrastructure, engineering capacity and associated research and development.

This conference received more than 100 papers from different countries like Japan, Spain and Bangladesh and also from reputed institutions and industries within India. After a stringent review from expert committee 76 papers were selected for this conference. The selected papers for the conference will be published in the form of proceedings volume of the International Conference with ISBN cited number 978-93-5267-355-1 in a hard copy sanctioned by MHRD Government of India.

This conference will cover main themes relevant to the civil engineering fields like Earth Science and Engineering, Advances in Structural Engineering, Transportation & Highway Engineering, Geo-Technical Engineering/Geo Environmental, Construction / Concrete Technology, Water Resources and Irrigation Engineering, Environmental Engineering & Environmental Law.



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Badaga Mijar, Moodabidri-574225, Karnataka

This International conference will be a great opportunity for young engineers to put up their new innovative ideas towards the sustainable development of the world, where they will have interaction with Professors, delegates from India and abroad who will take part in this conference to express their vision and views towards sustainable development and climate change. Participation in this conference will undoubtedly provide a great opportunity for the students and young researchers across the world to enlighten their knowledge.

This conference will have distinguished panelists and key note speakers like Dr.Shuichi Torii Kumamoto University, JAPAN and Dr.Paloma Pineda Deputy Director, IIRSP, University of Seville, SPAIN. The inauguration of this conference will be presided by Sri Rajesh Chouta, Chairman and founder of Rajalaxmi education trust, Mangalore.

Outcome of this conference will not only advance the knowledge of young researchers but also provides a new goal to be achieved towards sustainable development like ensure healthy living and promote well-being for all at all age. Ensure access to affordable, reliable, sustainable and renewable energy for all. Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all. Make cities and human settlements inclusive, safe, resilient and sustainable. To make immediate action to combat climate change and its impacts by regulating emissions and promoting developments in renewable energy, opines Principal Dr. G L Easwara Prasad.

#### **CONFERENCE THEMES:**

Latest Development in the following BELOW MENTIONED main themes

- Challenges and Issues in Civil Engineering
- Earth Science and Engineering
- Advances in Structural Engineering
- Transportation & Highway Engineering
- Geo-Technical Engineering/Geo Environmental

# I

### MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING

(An ISO 9001: 2008 Certified Institution)

(Affiliated to Visvesvaraya Technological University Belagavi)

Badaga Mijar, Moodabidri-574225, Karnataka

- Construction / Concrete Technology
- Water Resources and Irrigation Engineering
- Environmental Engineering & Environmental Law

### **INDENTED BENEFICIARIES**

Scientists and Engineers from R & D organizations, 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.



Two days International Conference is inaugurated by Chief guest Dr. M Baba, Former Director –
Centre for Earth Science, Trivendrum, Kerala



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Lighting the lamp by Dr.Paloma Pineda Deputy Director, IIRSP, University of Seville, SPAIN



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Lighting the lamp by Dr. Shuichi Torii, Professor, Kumamoto University, JAPAN



International Conference proceedings volume released by Chief guest Dr. M Baba, Former

Director – Centre for Earth Science, Trivendrum, Kerala



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Panel discussion of two days International Conference is headed by Dr. T N Singh, Professor,
Department of Earth Sciences, IIT Mumbai and other expert committee members



Delegates gathered from various organization in the International Conference



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Appreciation Certificate handed over to Dr. Shuichi Torii, Professor, Kumamoto University, JAPAN by Dr. T N Singh, Professor, Department of Earth Sciences, IIT Mumbai



Keynote address of the conference by Dr.Paloma Pineda Deputy Director, IIRSP, University of Seville, SPAIN



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Felicitation to Dr. D V Reddy, President, CAFET Innova Technical Society, Hyderabad by Mr.
Rajesh Chouta, Founder, Rajalaxmi Education Trust, Mangalor

PROFESSOR & HEAD DEPT. OF CIVIL ENGG. MITE.

BADAGA MIJAR, MOODABIDRI - 574225



### Mangalore Institute of Technology and Engineering

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Badaga Mijar, Moodbidri - 574 225, Mangalore, Karnataka INDIA





# Certificate of Appreciation

Presented to

Jayaprakash M C

D.Venkat Reddy

Poorvi Shetty

In appreciation of their contribution as the authors of the paper entitled "Planning and Implementation of Rain Water Harvesting System in MITE, Moodabidri, Karnataka-Geological and Hydrogeological in Puts Typical Analysis" which has been accepted for presentation during the International Conference on "Global Civil Engineering Challenges in Sustainable Development and Climate Change"

[ICGCSC -17]

17th & 18th March 2017, MITE. Moodabidri, INDIA

Organised by

Department of Civil Engineering

Mangalore Institute of Technology & Engineering Moodabidri, Dakshina Kannada, INDIA

MITE Mangalore

In association with

Local CAFET - INNOVA Technical Society, MITE.

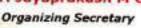
Dr. Jayaprakash M C

Dr. Ganesh Mogaveer HOD & Oraganizing Chair

Dr. GcL Easy

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Principal





Day-1

5

Paul and B. R. Jayalekshmi

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### Conference Schedule

### International Conference

### on "Global Civil Engineering Challenges in Sustainable Development and Climate Change"

#### 17-03-2017 Morning Session

Time	Programme	Venue
8:30 - 9:30	REGISTRATION	Main Building- Ground Floor
9:30 - 11:00	Inaugural Ceremony	Auditorium III
11:00 - 11:20	Tea Break	Auditorium III
11:20 – 12:30	Key note address by Prof. Paloma Pineda from University of Sevelle, SPAIN  Topic: Waste and Natural Materials: Green Alternatives for Eco-efficient  Structures	Auditorium III
12:30- 13:40	Key note address by Prof. Shuichi Torii from Kumamoto University, JAPAN  Topic: Production of Stable Bio-Emulsion Fuel with the aid of Underwater  Explosion	Auditorium III
13:40 - 14:12	Lunch Break	Hostel Mess MITE

### 17-03-2017 Afternoon Session

Theme: Structural Engineering

Chairing the Session: Dr. Katta Venkatramana, NITK, Surathkal Dr. Premananda Shenoy, Roy & Shenoy, Mangalore

SESSION COORDINATOR: DEEKSHITH SHETTY

Venue: Auditorium-I (Main Building First Floor)

SLNo Time Title of the Paper Influence of Stiffness of Diaphragms on the Geometric Non-linear Behavior of RC 1 14:12 - 14:24 framed Structures - Rakesh M N and Sharath H P Linear Interactive and Non-Linear Interactive Analysis of Buried Structures-A 2 14:24 - 14:36 Parametric Study - H J Puttabhasave Gowda and Akhil Ambhike Behaviour of Rectangular and L-Shaped Concrete Column - Subramanya R M. 3 14:36 - 14:48 Shanmukh Shetty, Smitha and B.G Naresh Kumar Seismic Response of Structures with Base Isolation - Seethu K and Katta 4 14:48 - 15:00 Venkataramana

Comparative Study on Wind Effects on Tall Reinforced Concrete Chimneys - Nevin

15:00 - 15:12

6	Study of RC Setback Building Frames under Earthquake Loading - Jishnu R and B R Jayalekshnil	15:12 - 15:24
7	Soismic Response of Tall RCC Buildings with Mass Irregularity - Smrithi Sohan, B R	16:00 - 16:12
8	Seismic Response of Slender and Stocky Tall Reinforced Concrete Chimneys - Kiran	16:12 - 16:24
9	Torsional Response of Buildings with Plan Irregularity under Seismic Loading -	16:24 - 16:36
10	Seismic Response of Tall RCC Buildings with Vertical Stiffness Irregularity -	16:36 - 16:48
11	Experimental Studies on the Structural Characteristics of Solid Concrete Block Masonry, Masonry Units and Mortars - Ganesh Mogaveer, Sanjay Gowda, Madhu Patil, Rasheet Kumar and Sushanth Shetty	16:48 - 17:00

### Theme: Water Resources Engineering

Chairing the Session: Dr. G S Dwarakish, NITK, Surathkal Dr. Lakshmikanth, KSPCB, Mangalore

Parallel Session

Venue: Auditorium-II (Main Building Second Floor)

	SESSION COORDINATO	R: VINOD G
SI.No	. Title of the Paper	Time
1	Keynote Lecture by Dr Lakshmikanth, KSPCB, Mangalore - Pt	14:12 - 14:4
2	Optimization of Fluoride Removal from Potable Water by Electrocoagulation Technology Using Response Surface Methodology - Chandrakant Watawati and Basanagouda K. Patil	14:48 - 15:00
3	Characterization of Groundwater Chemistry in High tide and Low tide conditions, a case study from Alvekodi in Bhatkal of Uttar Kannada District, Karnataka - Shridhar Yallurkar and Sandeep Nayak	15:00 - 15:12
4	Planning and Implementation of Rain Water Harvesting System in MITE, Moodabidri, Karnataka-Geological and Hydrogeological in Puts Typical Analysis - Jayaprakash M C, D. Venkat Reddy and Poorvi Shetty	15:12 - 15:24
5	Application of Electrical Resistivity Method for Ground Water Prospecting - Venkanagouda B B Patil and Lokesh K N	16:00 - 16:12
6	Study of Runoff Characteristics of Watershed Using Advanced Geospatial Hydrologic Modeling Tools - Jubina C K and Dwarakish G S	16:12 - 16:24
	Management of Probabilistic Peak Flood: Mahanadi Branches draining into Chilika Lagoon, Odisha, India - Siba Prasad Mishra and Joygopal Jena	16:24 - 16:36
8	Rainfall-Runoff Modelling Using HEC-HMS for Ungauged Stations in Hasur Watershed, Karnataka, India - Chetan M Benakannanavar, Chandrashekarayya G Hund V V Subbarao	16:36 - 16:48
	Groundwater Potential Mapping for Dodahalla Watershed Using ArcGIS - Basavaraj  B and Chandrashekarayya G H	16:48 - 17:00
-	ntegrated Urban Water Management System - Jacob Joel, Karthik Narayan, Rohil	17:00 - 17:12
Pi W	redicting Optimal Sowing Date for Dry Season Paddy in a Tropical Climate Using ater Balance Simulations - Sandeep J Nayak and Lakshman Nandagiri	17:12 - 17:24
Re	puse of Wastewater in Portland Slag Cement - G Reddy Babu	17:24 - 17:36

Theme: Concrete Technology

### Chairing the Session: Dr. B B Das, NITK, Surathkal Er. Keerthan Kumar, MCF, Mangalore

Parallel Session

Venue: Room No.201 (Main Building Second Floor)

Sl.No	SESSION COORDINATOR: AB	Time
	That of the Laper	
1	Experimental Investigation on Replacement of Coarse Aggregate with Steel Slag - Arhab Elahi, Muntasir Ahmed and Majedul Hasan Mazumder	14:12 - 14:24
2	Behavioural Studies on Compressive Strength of Cement Concrete by Partial Replacement of Sand with Stone Dust - Rajeev Reddy M S and Satyanarayana G V V	14:24 - 14:36
3	Development of Artificial Neural Network Models using Non-Dimensional Parameters for Recycled Aggregate Concrete - Presti Kulkarni and Shreenivas Londhe	14:36 - 14:48
4	Study on Strength Behaviour of Concrete Using Battery Slag and Electronic Waste as Partial Replacement for Fine Aggregates - T Mutyalaraju, Dev Kumar Marandi, B P Sharath and B B Das	14:48 - 15:00
5	Experimental Investigations on Strength and Weight Loss Due to Chemical Attack on Self Compacting Concrete - Shivaraj G Nayak and Ningarajn H J	15:00 - 15:12
6	To Study the Mechanical Properties of Fly Ash based Geopolymer Concrete with Partial Replacement of Bagasse Ash and GGBFS - Manjunath R, M C Narasimhan and Rajath R L	15:12 - 15:24
7	To study the behavior of Chicken Mesh residue in Concrete - Meghashree D K, Mohammed Sabith M, Subrahmanya R M and Jayakrishna D Bhat	16:00 - 16:12
8	PVC Dust Concrete - An Environmental Friendly Alternative Construction Material - Anand V R and A V Pradeep Kumar	16:12 - 16:24
9	Compressive Strength of Alternative Concrete Block Masonry units - G Sarangapani and K Gourav	16:24 - 16:36
10	Strength-Porosity Relationship for Ternary Blended Concrete - Ramesh Karantha, Arun R, Ravikumar R and D S Maganur	16:36 - 16:48
11	Knowledge extraction from Artificial Neural Network models developed for concrete strength - Preeti Kulkarni and Shreenivas Londhe	16:48 - 17:00
12	Alternative Cost Effective Roofing System for Building Construction - A Review - Umesh S S and A V Pradeepkumar	17:00 - 17:12
	End of Day one Session	
	CONFERENCE DINNER (19:00 - 22:00)	

### 18-03-2017 Morning Session

Theme: Composite Materials

Chairing the Session: Dr. Velumurugan, HT, Madras Dr. Jagadish Vengala, BMS IT, Bangalore

Venue: Auditorium-II (Main Building Second Floor)

Day-2	2 SESSION COORDINATOR: ABHILASH I	
SLNo	Title of the Paper	Time
1	Bi-axial Studies of FRP Composites Using Cruciform Specimens - Keynote Lecture by  Dr. Velumurugan, IIT, Madras	9:30 - 10:15
2	Performance of Bamboo Composite-Mortar Walling System - Keynote Lecture by Dr.  Jagadish Vengala, BMSIT, Bangalore	10:15 - 11:00

3	Prediction of Mechanical Properties of Coir Fibre reinforced Composites using ANN - Yashwanth M K and Farisa Ibrahim	11:48 - 12:00
4	Effect of Fire on Waste Plastic Fibre Reinforced Concrete - Savithri S Karanth, Valshall G Ghorpade and H Sudarsana Rao	12:00 - 12:12
5	Potential Use of Coco-Cola Tin Waste as a Fibres in Silica Fume Based Concrete - Manjunatha M. Javasheelat. Rahulbabu Angadi. Subramanya M M and Suhas H B	12:24 - 12:36
6	Application of Central Composite Design in Fenton's Oxidation of Herbicide 2, 4-D in Aqueous Medium - Sanjeev Sangami and Basavaraju Manu	12:36 - 12:48
7	Experimental Study on Strengthening of RC Beams by Using GFRP Wrapping - Punit Tilekar, Mahesh Chandra and Keerthi Gowda	12:48 - 13:00
8	Recycling of Bituminous Pavement by RAP Method - Rohan Pawar, Amit Patted and Keerthi Gowda B S	13:00 - 13:12
9	Effect of Sugar on Setting-Time and Compressive Strength of Concrete - Arpana Beeranna Devakate, Acharya V T and Keerthi Gowda B S	13:12 - 13:24

Theme: Environmental/Transportation/Geotechnical Engineering

Chairing the Session: Dr. D R Ravi, KSPCB, Bangalore Dr. H S Prasanna, NIE, Mysore

Parallel Session

Venue: Auditorium-I (Main Building First Floor)
SESSION COORDINATOR: RAKSHA/YAMUNA

SLNo	Title of the Paper	Time
1	Economic development v/s Environment - Keynote Lecture by Dr D R Ravi, KSPCB,  Bangalore	9:30 - 10:15
2	Correlation of Index Properties with Compaction Characteristics of Fine-Grained Soils  - Keynote Lecture by H S Prasanna	10:15 - 11:00
3	Treatment of Dairy Wastewater Aided with Simultaneous Electricity Generation Using	11:36 - 11:48
4	A Review of Air Pollution Monitoring Using Remote Sensing - M Gopika and G S  Dwarakish	11:48 - 12:00
5	A Review on Offshore Wind Energy System - Sharadkumar S and G S Dwarakish	12:00 - 12:12
6	Comparison and Design of Flexible Pavement for Different Composition of Pavement Material - Harish G R and Satish D	12:12 - 12:24
7	Concept of Smart Cities in India: A Review - Pruthvin C. Shetty and Dwarakish G S	12:24 - 12:48
8	Application of Natural Coagulants in Removal of Turbidity and Hardness - Pavanakumar Pastay, Venkatareddy Koppad and Keerthi Gowda B S	12:48 - 13:00

Theme: Earth Science and Coastal/Ocean Engineering

Dr. M. K. Nagaraj, NITK, Surathkal Os. Verkat Reddy.

NITK, Surath Fal

(Main Building Second Floor) Chairing the Session: Dr. T N Singh, HT, Mumbai

Venue: Room No.202 (Main Building Second Floor) rellel Session

Parallel Session		Venue: Room No.202 (Main Building Second Floor) SESSION COORDINATOR: BADRUDDIN P M	
ACANG.		Title of the Paper	Time
SI.No			9:30 - 10:36
1		Keynote Lecture by Dr. T N Singh, IIT, Mumbai mations from Kaolinitic Soils by Interaction with Lye at 80°C - A Micro P. Lakshmi, Szuthi and Ponnapureddy Harl Prasad Reddy	10:36 - 10:48
2	Neogenic For	mations from Kaolinitic Soils by interaction with Dy- gation - P Lakshmi Sruthi and Ponnapureddy Harl Prasad Reddy	

3	Adsorption behavior of Gondwana Shale with variable loading - Ashutosh Tripathy, Amit Verma and T N Singh	10:48 - 11:00
4	Review on semicircular breakwater - Surakshitha, K. Rekha and A V Hegde	11:36 - 11:48
5	Optimization of Vessel Turnaround time at a Scaport - Dayananda Shetty K and G S Dwarakish	11:48 - 12:00
6	Shoreline Change: A Review - Arunkumar Yadav, B M Dodamani and Dwarakish G	12:00 - 12:12
7	Near-Shore Wave Models: A Review - Naveenkumar P, Anusha H. Lakavalli, Mary Manisha M S and Dwarikish G S	12:12 - 12:24
8	Coastal Vulnerability Assessment - A Review - Mary Manisha M S, Naveen Kumar P, Anusha H. Lakkavalli and Dwarakish G S	12:24 - 12:48
9	Sea Level Rise: Progress in the Past and Challenges in the Future - Annsha H. Lakkavalli, Mary Manisha M S, Naveen Kumar P and Dwarakish G S	12:48 - 13:00
10	Trend Analysis of Spectral Curve of Red Loamy Suspended Sediment Using Spectro Radiometer - Vineet Kumar Porwal and Dwarakish G S	13:00 - 13:12
11	A Study on Seism-of Coastal Areas in Karnataka - Shreyasvl C and Katta Venkatramana	13:12 - 13:24

### Theme: Remote Sensing and GIS

Chairing the Session: Dr. Palani Murugan, ISRO, Satellite Center, Bangalore Dr. Vivek Kumar Gautam, ISRO, Satellite Center, Bangalore

Parallel Session

Venue: Room No.201 (Main Building Second Floor)
SESSION COORDINATOR: VINOD G

Sl.No	Title of the Paper	Time
1	Optimal Bandwidth Selection for Remote Sensing data to Estimate Chlorophyll-a in Inland Waters - Keynote Lecture by P Murugan	9:30 - 10:15
2	A New Three Band Index for Identifying Urban Areas using Satellite Images - Keynote Lecture by Vivek Kumar Gautam	10:15 - 11:00
3	Development of A Tool for Land Surface Temperature Retrieval from Landsat Data Products - P K Barane and G S Dwarakish	11:48 - 12:00
4	Investigations on Landslide Prone Areas Using RS, GIS and Geophysical Techniques:  A Review - Thejashree G, Lokesh K N and Dwarakish G S	12:00 - 12:12
5	Application of Remote Sensing and GIS in Land Use/Land Cover mapping and change detection in Vempalli Mandal of Cuddapah District - M Sunandana Reddy	12:12 - 12:24
6	Evaluation of Forest Cover Change of Western Ghats in Karnataka Using Remote Sensing and GIS - Rinnet Francis, Pruthviraj U, Bhojaraj B E and Amba Shetty	12:24 - 12:48
7	Analysis of Agricultural Drought Severity Using MODIS Satellite Images - Prabal Das, Moumita Palchaudhuri, Sujata Biswas and Paresh Chandra Deka	12:48 - 13:00
8	Ecotourism information and route navigation system by the integration of GPS and GIS for tourist places in Kodagu district - Kavitha P C, Shivanna G, Sanath Gowshik and Channabasappa K	13:00 - 13:12
9	Hydrogeological Aspects of Nagappatinam district using Remote Sensing and GIS - S Prem Kumar, GS Dwarakish and R Ram Kumar	13:24 - 13:36
	END OF THE SESSION	

### 18-03-2017 Afternoon Session

Time		
14:00 - 15:00	Programme	Venue
	Panel Discussion	admin services
15:00 pm Onwards	Valedictory	Auditorium II

Morning Session: Tea Break at 11:00 - 11:45 (LD Lab - Second Floor)

Afternoon Session: Tea Break at 15:24 - 16:00 (LD Lab - Second Floor)

Lunch Brenk: 13:40 - 14:15 (Hostel Mess, MITE)

# MITE to organise two-day international conference for civil engineers

MANGALURU, DHNS: The department of civil engineering at Mangalore Institute of Technology and Engineering will organise a two-day international conference on "Global civil engineering challenges in sustainable development and climate change" on March 17 and 18.

The conference will focus on sustainable development of the world through new and innovative ideas in civil engineering. It has received more than 100 papers from countries like Japan, Spain and Bangladesh and from reputed institutions and industries within India.

The conference will have distinguished panellists and key note speakers like Dr Shuichi Torii Kumamoto University, Japan and Dr Paloma Pineda Deputy Director, IIRSP, University of Seville, Spain. It will focus on themes like Earth Science and Engineering, Advances in Structural Engineering, Transportation & Highway Engineering, Geo-Technical Engineering/Geo Environmental, Construction / Concrete Technology, Water Resources and Irrigation Engineering, Environmental Engineering and Environmental Law.

#### PATRON

Dr. G.L. Enwara Pracad

Principal, MITE

#### CONVENERS

Dr. Ganesh Mogaveers

Fruit & Head, Dept. of Civil linear, MITE

Dr. Javaprakash, M.C.

Sr. Ass. Professor, Dept. of Civil Engg., MITE

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Dr. Rain A

Founder & Secretary General-CFTS

#### ORGANISING MENTICES

Mt Bahaddis P.M. Se date Professor Mt. Sammarth M.K., dast Professor Mts Sengiorla, date Professor Mt Tuijus II.K., date Professor Mt Analith Kamar M.L. date, Professor Ms Approva. Asia: Professor Mr. Venkatock S. V. Annt. Professor Mr. Kertiek A. N. Juni. Professor Mr. Mirhan H. S., Juni. Professor Mr. Abdilank D.T., Juni. Professor Mr. Vispel G. Annt. Professor Mr. Harnik Kumar C. E. Annt. Professor

#### IMPORTANT DATES

Last date for Schmission of Abstract 25° January 2016
Intimation of Abstract Acceptance 30° January 2016
Last date for Schmission of Full length Paper 15° February 2016
Payment of Registration Fee 06° February 2016

#### Abstract

Participants interested in and/paster presentation should submit as abstract the consideration by the technical committee. Before submitting the abstract, the presenter should crossre that the co-authors are sware 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 papertus per DEE. A4 format.doc). Accepted papers must be registered and presented at the conference by one of the authors. As per the recievers decision papers will be published in the form of proceeding volumes and selected papers will be published in LIEE database (ISSN 0874-1904) as per the rior available. The publication processing charges should be horse by the requestive authors.

#### REGISTRATION FEES

For Faculty & Research Scholars INR 1000.00
For Students INR 500.00
Industry, Govt. Organizations & 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 fite by DD drawn in favor of 'Chief'-Coordinater MITE Sentinar and Workshops' payable at Vijaya Bank, Moodabidri Branch. The fee can also be past via NEFT to the following occount.

A/o Number | 114901011001148

A/c Name: Chief-Coordinator MITE Seminar & Workshops

Name of the Bank: Vijaya Bank Branch Moodabidri IFS Code: VIJBB001149

#### ACCOMMODATION

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

#### ABBRESS FOR COMMUNICATION

#### Conveners

Dr. Ganesh Magavaer Professor & HOD

Email: bodeiv@mbg.ac.in Mobile: 94489839559591843955 Dr. Jayaprakash MC

Senior Assistant Professor Email: payagrakashiilmite ac in

Mobile: 9901322304



### NATIONAL CONFERENCE

On

Advanced Trends in Civil Engineering & Sustainable Development

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

### Organised by



Department of Civil Engineering

Invent Solutions

In association with

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LOCAL CAPET - INNOVA Technical Society MITE, Mangalore Chapter



#### MANGALORE INSTITUTE OF TECHNOLOGY & ENGINEERING

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#### 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 fratures. It is expected that this national conference will be able to identify various problems & sof 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 Enga, principles primarily to the publicdomain influstructure, including transportation, water resources, hubdings and other structures such as dama and bridges. Civil Engineers balance the needs of sectory with technical and economic feasibility. Sustainable development shares recent developments and discussion topics, highlighting projects & isnovations that embracethe 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 tole of these networks in mabling global societal resilience,

#### INSTITUTION OVERVIEW

Mangalore Institute of Technology and Engineering (MITE) was established in the year 2007 by Rajalaomi Education Trust to fulfil the growing needs of the industry and aspirations of young students of Mangalore District and other ports of the country. In a werid of apperentities for success, education plays a parametri role in mostiding, shaping & preparing womesters to face the challenges of the future. At MITE, we believe that education is the manifestation of perfection in a human being, and we initil the most needed human values and othics in our stadeors.

The Institution has received an in-kind software grunt 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 mitomatico rechnologies which is functioning from last five years. The preparations are ongoing to actup the Nano Science and Technology Research center (NTRC) at MITE.

MITE focated amidst jush groovery and a screen ambionou in Moodhidri, the campus spreads over an area of 74 acres in the sylvan surmandings near Mijar en route to Karkala. Intograting modern design, construction technology & oco-friendly techniques, the sampus provides the right setting to the students for effective learning.

PG Courses - M Tech

Machitropics

Machine Design.

Computer Science All agreeming

Digital Electronics & Communication

VLSI # Embedded Systems Design

Master of Business Administration

Computer Network Engineering

#### MITTE OFFER THE FOLLOWING COURSES

UG Courses - BE-Acronatical Ingreering Civil Engineering Computer Science and Engineering Electronics & Communication Engineering Information Science and Engineering Mochanical Engineering Mechatronics Engineering

Research Centres & METE

Physics Chemitter Mechanical fingmenting Cornectes Engineering Mathematics Electronics & Communication Engagement

THEMES

Earth Science and Engineering

Climate charge-its impact in Civil Engineering projects Disseter Mitigation and Management Earthquake Engineering Rock reiences & Rock Engg. Applications in Civil & Infra. Engg. projects

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

Earth and Planetury 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

Tramportation & 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 soo liquefaction

Selamic response of structures

Share strongth of soil

Geotech practices for Environment Management & Disaster mitigation

Goochaltengen

Water Resources and Irrigation Engineering

Amtificial Recharge Structures & Rain Water Harvesting Techniques

Integrated Water Management

Beo-bydrougy

Hydroclimatology

River Processes and Systems

Water researces planning, Policy and Management

Water quality and water resources

Surface and subsurface water problems in Civil Engineering constructions

Environmental Engineering & Environmental Law

Renewable Imensy Technology

Green Buildings-Materia's and Technology

Solid Waste Management

Global Change on Environment Applications

Nuclear Decommissioning and Waste Management

Air pollution & Control

### NATIONAL CONFERENCE

### Advanced Trends in Civil Engineering & Sustainable Development

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Institution / Organisation:	
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	Mrs/Ms
I hereby agree to depute Dr/Nr/	Mrs/Ms
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I hereby agree to depute Dr/Nr/ *Advanced Trends in Civil Engine	for the National Conference on Iring & Sustainable Development*
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I hereby agree to depute Dr/Nr/ *Advanced Trends in Civil Engine	for the National Conference on pring & Sustainable Development*
I hereby agree to depute Dr/Nr/ "Advanced Trends in Civil Engine Signature of Head of the Instituti	on with seal



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# Advanced Trends in Civil Engineering and Sustainable Development (ATCESD-2016)

Department of Civil Engineering has organized two days National Conference on "Advanced Trends in Civil Engineering and Sustainable Development (ATCESD-2016)" during 26<sup>th</sup> and 27<sup>th</sup> of February 2016, in association with the Mangalore Chapter of Local CAFET–INNOVA Technical Society, which has been inaugurated by Dr T N Singh, Professor, IIT – Bombay.



Conference was inaugurated by Dr T N Singh, Professor, IIT – Bombay

The world is progressing at a faster 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 categorized 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. <u>High quality Concrete mixed at controlled factory environments</u>, <u>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 chain as was practiced in</u>



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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 manmade 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.



International Conference proceedings volume released by TN Singh, Professor, IIT – Bombay

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 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,



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highlighting projects and innovations that embrace the sustainabilityand it will promote broad understanding of economic, environmental, political, social, and technical issuesand 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.







Keynote address of the conference by Singh, Professor, IIT – Bombay



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As per the reviewer's 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 themes was chosen as to support the recent sustainable development 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.

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# Mangalore Institute of Technology and Engineering

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Badaga Mijar, Moodbidri - 574 225, Mangalore Tq, D.K



### PAPER PRESENTATION CERTIFICATE

This is to certify that Prof/Dr/Mr/MsMEHAFOOZ.T	F A. FEMINA AIFA AND THEJAS H.K.	of
MITE, MOODABIDRI	has presented a Paper (ORAL) entitled	STUDY ON
STRENGTH CHARACTERISTICS OF NSC AND HSC USING US	SED FOUNDRY SAND AS A REPLACEMENT FOR FINE A	GGREGATE
in the section ofSTRUCTURAL ENGINEERING	Gduring the National Conference	e of "Advanced
Trends in Civil Engineering & Sustainable Developm	nent" [ATCESD -16] on 26 <sup>th</sup> & 27 <sup>th</sup> February 2016 o	organised by the
Department of Civil Engineering, Mangalore Institute	of Technology and Engineering (MITE), Moodbid	ri, in association
with Local CAFET-INNOVA Technical Society, MITE.	ed 1	1

Dr. Jayaprakash M C

Convener

Dr. Ganesh Mogaveer

H.O.D & Convener

or. Go Easwara Prasad

Principal

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## Mangalore Institute of Technology and Engineering

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# CERTIFICATE OF PARTICIPATION



This is to certify that Prof/Dr/Mr/Ms..... ASHWATHAM A SHETTY has

participated in the National Conference on "Advanced Trends in Civil Engineering and Sustainable

Development" [ATCESD -16] on 26th & 27th February 2016, organised by the Department of Civil

Engineering, Mangalore Institute of Technology and Engineering (MITE), Moodbidri, in association

with Local CAFET-INNOVA Technical Society, MITE.

Dr. Jayaprakash M C

Convener

car

Dr. Ganesh Mogaveer

H.O.D & Convener

Dr. G Easwa Page 101
Principal

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### National Conference on "Advance Trends in Civil Engineering and Sustainable Development"

### CONFERENCE SCHEDULE

### 26-02-2016 (Morning Session)

Time	Event	Venue
8.30-9.15 AM		
9.30-11.00 AM	Inaugural Ceremony	Auditorium-III
11.00-11.20 AM	Tea Break	LD Lab
11.20-12.15 PM	Keynote address by Dr T N Singh  Topic: Status of Rock-fall Assessment in India- A view towards sustainable development	
12.15-01.00 PM Keynote address by Dr. V. Rama Sastry Topic: Challenges in Rock Mechanics: Status of R&D in India		Auditorium-II
01.00-2.00 PM	Lunch Break	Hostel Mess

### 26-02-2016 (Afternoon Session)

Theme: Earth Science and Engineering

Venue: (Auditorium-II)

Chair the session by  Applications of Remote Sensing and GIS in Water Resources and Control Engineering		Dr. T N Singh, IIT, Bombay Dr. V. Rama Sastry, NITK, Surathkal Dr. Dwarakish G S, NITK, Surathkal	
		Keynote address by Dr Dwarakish G S	2.00-2.30
Sl.No	Title of the Paper	Authors	Time
1	Tunnel stability under different conditions : Analysis by numerical and empirical modelling	V. Rama Sastry, K. Ram Chandar, S. Madhumitha and T.G. Sruthy	2.30-2.45
2	Analysis of ground vibration due to metro trains by numerical modelling	Vedala Rama Sastry, Parvathy.S and ArshaSoman T.P	2.45-3.00





3	Bnvironmental and safety aspects of underwater blasting for rock dredging	Vedala Rama Sastry and Karthik C	3.00-3.15
4	Assessing the Explosive Energy Utilization in Mine Blasting - Role of High Speed Videography	Vedala Rama Sastry, Ballari Rajasekhar and Raghu Chandra Garimella	3.15-3.30
5	Flood Risk Assessment: A Review	Dwarakish G.S., Tilak L.N., Uday Kumar and Nithyapriya	3.30-3.45
6	Applications of Remote Sensing and GIS for Flood Alert System Using A Case Study of Adhwara Basin	Dwarakish.G.S., Uday Kumar, Tilak L.N, C.M.Bhatt, Srinivasa Rao G, and Abhinav Shukla	3.45-4.00
7	Physical and numerical simulation of instability of slope	AshutoshTripathy and T N Singh	4.00-4.15
8	GIS Based 4D Modeling	Elizabeth Baby George and Anaswara Das S. R.	4.15-4.36

Theme: Transportation and Highway Engineering / Geotechnical Engineering / Water resources and Irrigation Engineering / Environmental Engineering

Parallel Session Venue: Room No. 103 (Main Building First Floor)

	-2.3	Dr. M K Nagaraj, NITK,	SurathKal
	Chair the session by	Dr. S Shrihari, NITK, Surathkal	
Coping with Water Scarcity		Keynote address by Dr. M K Nagaraj	2,00-2,20
	Sanitation - Need of the Day	Dr. S Shribari	2.20-3.00
Sl.No	Title of the Paper	Authors	Time
1	Stability of Geogrid reinforced laterite soil as subgrade material for road construction	Sunil Haldankar and NagrajBacha	3.00-3.15
2	Impact of watershed development programme on soil nutrients- A case study of Itagi watershed, Karnataka	Palakshappa, K and Pruthviraj B. S	3.15-3.30



3	Emerging Trends in Ground Improvement Techniques	Alfaz, AkshayKumar and Sunil Haldankar	3.30-3.45
4	A Review On Hard Options To Prevent Beach Erosion: Do They Really Work?  L. Revanth Reddy, Shabnum Suhura and G.S. Dwarakish		
5	Physico-chemical charectieristics of Ground Water samples of SulliaTaluk, Dakshina Kannada District, Karnataka, Nisaj K. E		4.00-4.15
6	Development of North Karnataka through Satellite Port linked Multimodal Transport  Harish H. N, Kiran. G. Shirlala and A.V. Harinathb		



### 27-02-2016 (Morning Session)

Theme: Advances in Giril Engineering

Venue: (Auditorium-II)

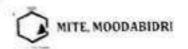
		Dr S K Prasad, SJCE, Mysore Dr. D V Reddy, NITK, Surathkal	
	Chair the session by		
Perforn	nance Based Design in Earthquake Engineering	Keynote address by Dr S K Prasad	9.15-10.00
Sl.No	Title of the Paper	Authors	Time
1	Torsional effect consideration in the earthquake analysis of asymmetric building	Sasha Rai P, Premanand Shenoy and Sunil Kumar K	10.00-10.15
2	A study on developing an expert system for selection of bridge foundation	Vrinda T and M. S. Kalappa	10.15-10.30
3	Role of Halloysite Nanoclay Carbon Nanotubes (Single walled and Multi walled) on compressive and flexural strength of Nano cement past- A critical Review	GhazalaAnjum and N.S. Kumar	10.30-10.45
4	Embodide energy assessment and comparisions for a residential building using conventional and Non-conventional building materials	Yogesha D S	10.45-11.00





2	Seismic performance of post tensioned compression members and beam column connection with energy	Rakshith B D and Sanjith J	10.15-10.30
3	An Experimental Investigation On The Strength Behavior of Concrete Made	Anand V.R, Bhuvanamitra and Prakash	10.30-10.45
4	With Glass Powder  Comparative Study On The Performance of Fly Ash Concrete With Concretes Made With Blended Cement	Anand V.R. Harshith Joshi and VikasUdupa	10.45-11.00
5	Reduction of Self Weight In Framed Structure	Amshith Kumar M J, Anup Kumar and Ashwatham A Shetty	11,00-11.15

		Authors	Time
SI.No	Experimental Study on Flexural Strength of Normal Beam by Replacing Tension Reinforcement with Waste Rubber Tyre	Dudal Kenchappa Mangeni and Keerthi Gowda B S	11.30-11.45
7	Carbonation as an energy efficient alternative for Steam curing of CMU Blocks and Precast Concrete	SachinGovind .V , Archana.K , Shobha.R and Shivkuma Mangloor	11.45-12.00
8	The Need of Building Information Modeling (BIM) In Indian Construction Scenario	Shivakumar Mangaloor, Shobha .R, Sachin Govind, Manish and Shashikanth	12.00-12.15
9	Innovative Potential of Photo catalytic Cement in Self Cleaning Concrete	Shobha.R, Manish Shashikanth, SachinGovind.V and Shivkumar Mangloor	12.15-12.30
10	Analysis of Steel Truss Member and a Parametric Study Using Spread Sheet	Bindusara T S and KeerthiGowda B S	12.30-12.45
11	An Experimental Study on Utilization of Fly Ash and Slag in the Production of Compressed Bricks	Dayananda N and KeerthiGowda B S	12.45-1.00
12	Comparative Study on OPC and PPC Composites with Foundry Sand as Partial Replacement for Fine Aggregate - An Experimental Approach		1.00-1.15
	Lunch- Ho	stel Mess	



### 27-02-2016 (Afternoon Session)

Time	Event	Venue
2.00 PM Onwards  PANEL DISCUSSION WITH VALEDICTORY		Auditorium
	Distribution of Certificates	
	Conference Dispersal	
	HIGH TEA	

National meet: A national conference on 'Advanced trends in civil engineering and sustainable development' was organized by the department of civil engineering, Mangalore Institute of Technology and Engineering, Moodbidri, in association with local Cafet-Innova Technical Society recently. T N Singh, professor IIT-Bombay, inaugurated the conference and Rajesh Chowta, chairman and founder, Rajalaxmi Education Trust, presided.



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