



**GLOBAL CONFERENCE ON  
ADVANCED SMART AND  
SUSTAINABLE TECHNOLOGIES  
IN ENGINEERING**

**30<sup>th</sup> & 31<sup>st</sup> JANUARY 2020**

Venue: MITE Campus, Moodabidri,  
Mangalore, Karnataka, INDIA.



**GCASSTE-2020**

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



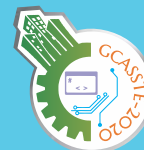
## THE HOST INSTITUTION

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 instill 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

## \* NBA Accredited Courses

## PG Courses

### M. Tech

- Computer Science and Engineering
- Mechatronics

### MBA

- Finance
- Marketing
- HR

## Research Centres @ MITE

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

# ORGANIZING COUNCIL

## Chief Patron

**Sri. Rajesh Chouta**

Chairman, Rajalaxmi Education Trust®, Mangalore, INDIA

## Patrons

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Principal, MITE, Moodabidri, INDIA

**Dr. Divakara Shetty S**

Dean (Academics), MITE, Moodabidri, INDIA

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Professor & Head, Dept. of Mechanical Engg., NITK, Surathkal, INDIA

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President, CITS, Hyderabad, INDIA

**Dr. Katta Venkataramana**

Professor, Dept. of Civil Engg., NITK, Surathkal, INDIA

**Dr. Raju Aedla**

Research Scientist, Kumamoto University, JAPAN

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Director, MDN Labs, Manipal, INDIA

**Dr. Alwyn Roshan Pais**

Associate Professor & Head, Dept. of Computer Science and Engg., NITK, Surathkal, INDIA

## Conveners

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Vice Principal & Head, Dept. of Mechanical Engg., MITE, Moodabidri, INDIA

**Dr. Venkatramana Bhat P**

Professor & Head, Dept. of Computer Science and Engg., MITE, Moodabidri, INDIA

**Dr. Ganesha Mogaveera**

Professor & Head, Dept. of Civil Engg., MITE, Moodabidri, INDIA

**Dr. Vinayambika S Bhat**

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

# 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 in to 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

**Dr. Ashok Rao**, Adviser & Research Professor, VVCE, Mysuru, INDIA

**Dr. Bambang Istijono**, Centre for DS, Andalas University, INDONESIA

**Dr. Ravi DR**, Environmental Officer, KSPCB, GOK, Bangalore, INDIA

**Dr. Dodagoudar GR**, Professor, IIT Madras, Chennai, INDIA

**Dr. Edy Tonnizam Mohamad**, Director, GEOTROPIK, Universiti Teknologi Malaysia (UTM), MALAYSIA

**Dr. Hafeez Basha R**, Chief Technology Officer, BRCORP, INDIA



## ADVISORY COMMITTEE (Contd...)

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**Dr. Sreedhar S**, Professor, Dept. of Mechanical Engg., IIT, Bombay, INDIA

**Dr. Visweswara Rao P**, University Malaysia Sabah (UMS), Kota Kinabalu, MALAYSIA

**Dr. R Velmurgan**, Professor, Dept. Aerospace Engg., IIT, Madras, INDIA

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**Dr. Rio D'Souza**, Principal, St. Joseph Engineering College, Mangalore, INDIA

**Dr. K Swaminathan**, Professor & Head, Dept. of Civil Engg., NITK, Surathkal, India

**Dr. Sathyashankara Sharma**, Professor & Head, Dept. of Mechanical Engg., MIT, Manipal, INDIA

**Dr. M Shankaranarayana Bhat**, Professor, Dept. of Electronics and Communication Engg., NITK, Surathkal, INDIA

**Dr. U N Kempaiah**, Professor, Dept. of Mechanical Engg., UVCE, Bangalore, INDIA

**Dr. B B Das**, Associate Professor, Dept. of Civil Engg., NITK, Surathkal, INDIA

**Dr. Mervin A Herbert**, Associate Professor, Dept. of Mechanical Engg., NITK, Surathkal, INDIA

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



## PUBLICATION

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

## BEST PAPER AWARD

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

### IMPORTANT DATES

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		
INDIAN PARTICIPANTS	Industry Professionals	4,500 INR *
	Academicians	3,750 INR *
	Research Scholars	2,750 INR *
INTERNATIONAL PARTICIPANTS	Industry Professionals / Academicians / Research Scholars	200 USD*

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

- \* The copies of the MoU which contains the Discounted Prices for Publication will be available in the Conference Website
- \* The publication of the papers will be subjected to the acceptance by the publishers after Peer Double Blind Review
- \* Participation certificates will be issued to all the participants
- \* Registration fee covers CD of abstract Proceedings, Refreshment, Lunch and Dinner.

## 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/ ZIP Code : 574225  
 State : Karnataka  
 Country : India  
 Country Code : +91



# 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](mailto: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

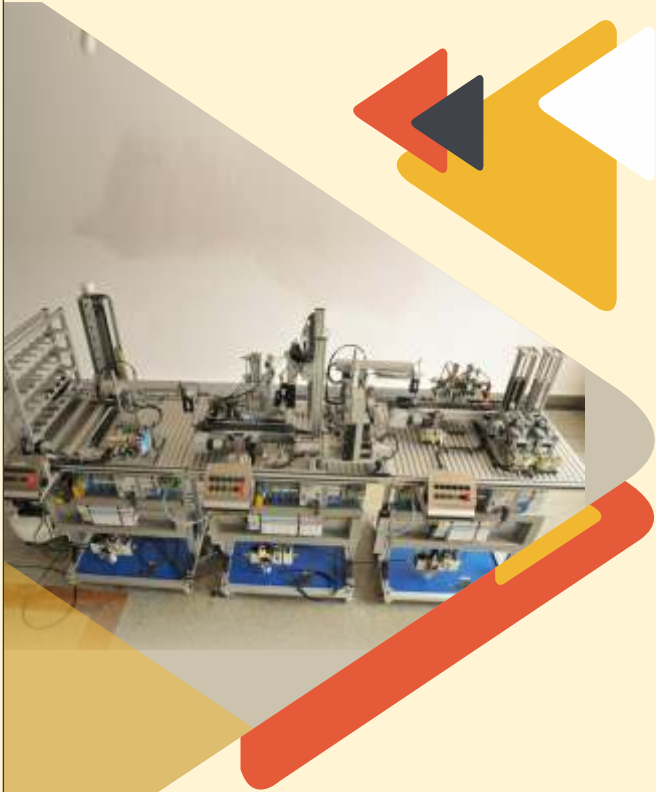
- ▶ Communications
- ▶ Signal and Image Processing
- ▶ Embedded Systems
- ▶ Nanoelectronics and Microelectronics
- ▶ Microprocessor and Microcontroller
- ▶ Very Large Scale Integration (VLSI)
- ▶ Field-Programmable Gate Array (FPGA) in Outer Space
- ▶ Nanotechnology
- ▶ Humanoid Robots
- ▶ Green Technologies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



# 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

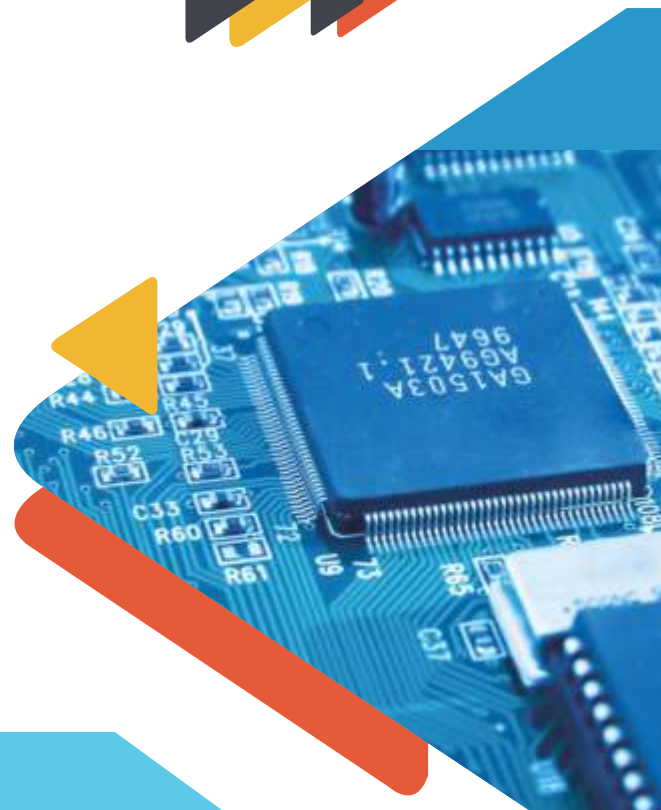




# CONFERENCE THEMES

## 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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