

### About Warangal:

Warangal is the second largest city of the new state of Telangana. It is situated at a distance of 140 km from the state capital Hyderabad (Nearest Airport). It is well connected by Rail (Kazipet Junction is two km away and Warangal Station is 12 km away) and by Road (NH 202). Warangal is renowned for its rich historical and cultural heritage. It was the seat of erstwhile Kakatiya dynasty. It is a seat of tourist attractions with a number of historical monuments like Thousand Pillars Temple, Warangal Fort, Bhadrakali Temple, Ramappa Temple and Lknnavaram Lake located in a radius of 30 kms.

### Brief profile of the Department of Mechanical Engineering:

The Department of Mechanical Engineering offers an UG program, seven PG programs and Ph.D program as well. The department has experienced faculty and well-established laboratories. The department has liaison with reputed industries and R&D organizations like NIFTDC, BHEL, DMRL, DRDL, ARCI, Praga Tools GTRE, etc. Presently the department is handling several R&D projects and consultancy. The department has been recognized as QIP Centre for M.Tech and Ph. D

### About NIT Warangal

National Institute of Technology Warangal, formerly known as Regional Engineering College was established in 1959. Over the years it has developed into a premier institute of higher learning and is ranked among the top technical education institutions in India. There are 14 Departments offering 8 undergraduate and 31 post-graduate besides doctoral programs. About 5000 students across the country and about 500 international students study on the campus. It is a fully residential campus sprawling over 250 acres with excellent infrastructure in the form of state of the art library, seminar halls, guest houses and laboratories

### Themes of ETME-2019

The conference focuses on the latest developments in the field of mechanical engineering. The conference also aims to provide an interactive platform to the academia, researchers and the industry. Participations from different industries, universities and academic institutions from all over the country and abroad are anticipated.

The organizing committee hereby invites academicians/scientists /technologists engaged in basic as well as applied research from the Universities, Research Institutions and Industries to participate. The scientific sessions will comprise plenary talks, invited talks, technical talks and contributed papers (both oral and posters) on the following topics.

### Themes to be covered (not limited to.....)

#### Design

Conditioning monitoring, Structural Health Monitoring, Vibration, Rotor dynamics, Tribology, Robotics, Energy Harvesting Devices, Ultrasonic, NDT, Retrofitting of structures.

#### Thermal

Heat and mass transfer, Refrigeration and air conditioning, Renewable and Non-Renewable sources of Energy, Energy policy/economics, Computation Fluid dynamics, Energy storage, Aerodynamics, Compressible/Incompressible flows, Green building, Waste management, IC engines/ combustion, Bio-heat transfer, Thermo physical properties, Phase change materials

#### Manufacturing

Composite Materials, Engineering Materials, CAD/CAM, Simulation of Manufacturing Processes, Metal Forming, Casting and Welding, Coatings and Machinability of Materials, Micro Manufacturing, Non-Conventional Manufacturing Processes, Logistics and Supply Chain Management, Operations Management and Industrial Engineering

### For further information please contact the Organizing Secretaries.

**Dr. M. J. Davidson**

**Dr. B. Satish Ben**

**Dr. D. Jaya Krishna**

Associate Professors

Department of Mechanical Engineering

National Institute of Technology, Warangal

Telangana State, India

**Ph: 8332969324, 9848065254, 8332969369**

**E-mail: [etme.nitw2019@gmail.com](mailto:etme.nitw2019@gmail.com)**

### Conference Website:

**<https://sites.google.com/view/ncetme>**



*National Conference  
on*

## **Emerging Trends in Mechanical Engineering (ETME – 2019)**

**On the eve of  
Diamond Jubilee Celebrations of  
NIT (REC), Warangal**

**9<sup>th</sup> - 10<sup>th</sup> January, 2019**

Call for Registration and Participation

**Chairman  
Prof. P. Bangaru Babu**

**Organized by  
Department of Mechanical Engineering**

**Sponsored under**

**TEQIP III**

**National Institute of Technology**

**Warangal – 506 004**

**Telangana State, India**



### Patron

**Prof. N. V. Ramana Rao, Director**  
National Institute of Technology, Warangal

### Chairman of the Organizing Committee:

**Prof. P. Bangaru Babu**

Professor & Head Department of Mechanical Engg.,  
National Institute of Technology, Warangal

### Joint Secretaries

**Dr. V.R.K Raju**

**Dr. Srikanth Korla**

**Dr. G. Raghavendra**

### Local Organizing Committee

Prof. Madhu Murthy K	Member
Prof. Krishnanand Lanka	Member
Prof. Srinivasa Rao S	Member
Prof. Neelakanteswara Rao A	Member
Prof. Gururaja Rao C	Member
Prof. Venu Gopal A	Member
Prof. Selvaraj N	Member
Prof. Srinadh K V S	Member
Prof. G. Amba Prasad Rao	Member
Prof. Suresh Babu V	Member
Prof. Narasimha Rao R	Member
Prof. Adepu Kumar	Member
Sri. Venkateswara Rao G	Member
Sri. Gupta G R K	Member
Sri. Ashokkumar Reddy I	Member
Dr. Veeresh Babu A	Member
Dr. Y. Ravi Kumar	Member
Dr. P. Subash Chandra Bose	Member
Dr. Vasu V	Member
Dr. Naga Srinivasulu G	Member
Dr. P Vamsi Krishna	Member
Dr. K Kiran Kumar	Member
Dr. Hari Kumar Voruganti	Member
Dr. Chandramohan V.P	Member
Dr. T. Sadasiva Rao	Member
Dr. Syed Ismail	Member
Dr. Karthik Balasubramanian	Member
Dr. Venkatesh Gudipadu	Member
Dr. M Vijaya Kumar	Member
Dr. P Suresh	Member
Dr. Satyanarayan Patel	Member

### National advisory committee

**Prof. S. K. Das, Director, IIT Ropar**  
**Prof. T. Sundararajan, IIT Madras**  
**Prof. K. Srinivasa Reddy, IIT Madras**  
**Dr. K. Balasubramanian, Director, NFTDC**  
**Prof. C S P Rao, Director, NITAP**  
**Prof. Puli Ravi Kumar, Member Secretary, TSCOST**  
**Prof. Ch Ratnam, AU**  
**Dr. B. Premachandran, IIT Delhi**  
**Dr. G. Sateesh, IIT Madras**  
**Dr. J. Srinivas, NIT Rourkela**

### Conference Language

The conference presentations and deliberations will be in English

### Call for abstracts

Authors should submit an abstract of an original, unpublished paper not exceeding 500 words excluding figures or tables. The abstract format can be downloaded from the conference web site. The abstract must be submitted online through conference web site <https://sites.google.com/view/ncetme>. Each registered participant can submit a maximum of two abstracts only. If there is any difficulty during the abstract submission, please contact via email: [etme.nitw2019@gmail.com](mailto:etme.nitw2019@gmail.com)

### Proceedings

All the abstracts accepted from registered participants will be published in the conference proceeding with ISBN number. Selected papers presented at ETME 2019 will be published in SCI and Scopus indexed Journals after peer reviewing process. The journal format for manuscripts can be downloaded from the conference/journal web sites.

### Accommodation:

Accommodation for outstation participants will be provided on request in the Hotels outside the Institute / Institute Hostels.

### Registration:

Conference registration can be done by downloading the registration form available and submission of abstract can be made on line through the official website <https://sites.google.com/view/ncetme>

### Registration Fee to:

Category	Early bird Registration Upto 10/12/2018		Late Registration Upto 01/01/2019	
	Indian (Rs.)	Foreign (\$)	Indian (Rs.)	Foreign (\$)
Delegate	2000	250	3500	300
Research Scholars	1000	150	2500	200
PG Students	500	150	1500	200
Accompanying Persons	2000	100	2000	--
Delegate from Industry	7000		10000	

- Conference kit including conference bag and abstract booklet, conference proceedings, Access to events in the conference program, Conference Dinner, Tea/Coffee, Snacks and Lunch on all two days of the conference.

- The registration fee excludes accommodation charges.

Registration fee may be sent in the form of a DD or remitted through On-line / NEFT to the Bank Account given below with an intimation to the Chairman, ETME-2019 by e-mail ([etme.nitw2019@gmail.com](mailto:etme.nitw2019@gmail.com)). Accommodation charges can be sent as DD in favor of "ETME-2019", payable at Warangal.

Account Name	DIRECTOR, NIT WARANGAL
Account Number	52109375198
Bank	State Bank of Hyderabad
Branch	REC Warangal (NIT Campus)
Branch Code	20149
IFSC code	SBHY0020149