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University College of Engineering, Osmania University

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University College of Engineering, Osmania University

### CONVENOR

**Dr. G. Narendar**

Associate Professor  
Department of Mechanical Engineering, UCE, OU

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Department of Mechanical Engineering, UCE, OU

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### ADDRESS FOR CORRESPONDENCE

**Convenor : Dr.G.Narendar**

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## 2<sup>nd</sup> National Conference on

## ADVANCES IN MECHANICAL ENGINEERING & NANOTECHNOLOGY (AMENT-2020)

26-27 June, 2020



Organised by

**DEPARTMENT OF MECHANICAL  
ENGINEERING**

University College of Engineering (Autonomous)  
Osmania University, Hyderabad, Telangana  
(University with Potential for Excellence &  
Reaccredited with "A+" Grade by NAAC)

Supported by : TEQIP-III and RUSA 2.0



In Association with

**Department of Mechanical Engineering**

Veer Surendra Sai University of Technology  
Burla, Odisha (TEQIP-III Mentee Institution)

## ABOUT THE ORGANISING DEPARTMENT (80 years of Glorious service to the Nation)

The Department of Mechanical Engineering was established in the year 1939, since then it has grown significantly by offering U.G, P.G and Doctoral degree courses. It has celebrated Platinum Jubilee year in 2014. As a part of centenary celebrations of the Osmania University during 2017-18, various workshops/ Seminars/ Conferences were conducted. It is equipped with state of the art equipment, infrastructure and research facilities like CPTIP, CET and CERAC. The Department receives research and modernization grants from UGC, MHRD and AICTE. Till date more than 140 Ph.Ds were awarded by the Department. It also encourages students to participate in various competitions like SAE BAJA & GO-KART etc.

## UNIVERSITY COLLEGE OF ENGINEERING (AUTONOMOUS)

The University College of Engineering (UCE) was established in the year 1929 and has the distinction of being the oldest and the biggest among the Engineering Colleges in the country. The college achieved Autonomous status in the year 1994. Over the years, the Engineering college has maintained a reputation of imparting excellence in Engineering education along with co-curricular and extra curriculum activities. It is part of elite group of institutes selected for funding from World Bank under TEQIP-I, TEQIP-II and TEQIP-III schemes. It is ranked 17<sup>th</sup> position in Top Engineering Colleges in India and also ranked 7<sup>th</sup> best Engineering college in South India in 2019 by Times of India.

## OSMANIA UNIVERSITY

Established in 1918, Osmania University is the seventh oldest university in the country. It is one of the premier institutions of higher learning epitomizing the national agenda for higher education. The University has been reaccredited with "A+" Grade by NAAC and is recognised by UGC, MHRD as a University with Potential for Excellence (UPE) in recognition of its overall performance and contributions to the advancement of technical knowledge. Also, Osmania University has been selected for funding under the RUSA 2.0 programme of the MHRD, Government of India.

## AIM AND SCOPE OF THE CONFERENCE

The aim of the conference is to provide a platform for the exchange of experience among researchers in research and practical advancements in various fields of Mechanical Engineering including Nanotechnology.

The Scope of the conference includes all theoretical, practical, technical advances in the following topics (but not limited to):

- Characterization and manufacturing of Micro and Nanomaterials
- Applications of nanotechnology
- Advanced Welding and Forming Processes
- Additive Manufacturing
- Metallic and nonmetallic composites
- Functional and Smart Materials
- Tribology and Surface Engineering
- Non-traditional Machining Processes
- Manufacturing process modeling, simulation and optimization
- Lean and Flexible manufacturing
- Production, Operations and Supply Chain Management
- Near Net shaping Processes
- Vibration Analysis and Condition Monitoring
- Fatigue and Fracture Mechanics
- Biomechanics
- Non-destructive Testing and Evaluation
- CAD/CAM/CIM/MEMS/ROBOTICS
- Manufacturing Automation, FMS
- Computational Techniques & CFD Thermal Systems, Heat Transfer, Advanced IC Engine Technologies and Turbomachines
- Energy Conservation, Renewable Energy Techniques, Biofuels, Fuel Cells
- Automobiles and Automotive Engineering

## CALL FOR ABSTRACTS AND FULL PAPERS

Abstracts containing the title, name of the author (s), their affiliations and brief description of their research work in MS word format (Text Font: Times New Roman, size 12, Full Justified, 1.15 line spacing), are to be mailed to ament2020@gmail.com on or before 20<sup>th</sup> March, 2020. Selected papers will be published in a UGC listed reputed Journal, however the cost of publication shall be borne by the authors.

## IMPORTANT DATES

Submission of Abstracts	20-3-2020
Acceptance of Abstracts	25-3-2020
Submission of Full Paper	20-4-2020
Acceptance of Full Paper	30-4-2020

## REGISTRATION FEE

Faculty Members	Rs. 2500
Research Scholars & Students	Rs. 1500
Industry / R&D Institutes	Rs. 4500

Registration fee shall be paid in the form of Demand Draft drawn in favour of Organising Secretary, AMENT-2020 payable at Hyderabad.

## VENUE OF CONFERENCE

Department of Mechanical Engineering  
University College of Engineering  
Osmania University, Hyderabad

