



**AVIT**  
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY



**VINAYAKA MISSION'S  
RESEARCH FOUNDATION**  
(Deemed to be University under section 3 of the UGC Act 1956)



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## DEPARTMENT OF MECHANICAL ENGINEERING ORGANIZES



### 3<sup>RD</sup> NATIONAL E-CONFERENCE ON RECENT INNOVATIONS AND ADVANCED TRENDS IN MECHANICAL ENGINEERING - NCRIATME - 2020



**25<sup>th</sup> & 26<sup>th</sup>  
JUNE 2020**

#### CALL FOR PAPER AND SUGGESTED THEMES

Original papers on the following indicative topics (but not limited to) are welcome to be submitted for the conference:

- 3D Printing(Additive Manufacturing)
- Green Manufacturing
- Nano Technology
- Alternative Energy (Solar energy & Other Renewable energies)
- Mechatronics
- Biomechanics
- Robotics
- Smart Construction Materials/Composites
- Automation and Intelligent system
- Eco friendly Construction materials
- CAD/CAM
- Agricultural Technology
- Energy Solutions
- Textile Industry
- Self driving Cars & New Automated transport solutions
- Rapid Tooling
- Cryogenics
- FEA/FEM
- Computational Fluid Dynamics
- High Speed Machining
- Welding
- Agile Manufacturing
- Micromachining/Metal Cutting/Unconventional Manufacturing
- Advances in Heating, Ventilation & Air Conditioning
- Environmental Engineering
- Solid waste management

CONFERENCE REGISTRATION FEE : **Rs. 250/-**

#### PAYMENT DETAILS-ONLINE MODE

Account Name : Aarupadai Veedu Institute of Technology  
Account Number : 027805003561  
Bank : ICICI BANK LTD  
IFSC Code : ICIC0000278  
Branch : CHENNAI KILPAUK

#### IMPORTANT DATES

Deadline for paper submission : 12.06.2020  
Acceptance Notification : 14.06.2020  
Final Manuscript submission : 16.06.2020

#### ABOUT MECHANICAL ENGINEERING DEPARTMENT

The Department offers a full-time undergraduate course in the Mechanical Engineering, Automobile Engineering & Full time Post Graduate Course in Manufacturing Engineering. The department also offers a part-time under graduate course in Mechanical Engineering and part-time post graduate course in Manufacturing Engineering and BVOC course in automotive manufacturing technology. The Department has well-equipped laboratories with state of the art facilities. The department has been organizing a cascade of seminars, guest lectures, workshops, Faculty Development Programs, symposia, conferences, industrial visits, in-plant training and inter collegiate programmes from time to time for the benefit of the faculty members and students through its Technical Association – "Association of Mechanical Engineers of AVIT", Engineering Design Collegiate Club (EDCC) and professional bodies like Indian Institute of Metals (IIM), ENFUSE, SAE Collegiate club, NIQR and IIPrE. The department is entrusted with research Centres in Alternative Fuels testing and Bosch Automotive Research. The department has established TARG-Thrust Area Research Group in three major fields of Mechanical Engineering, viz. Materials and Manufacturing Technologies, CAD/CAM, Automotive Research. The Faculty members and students being members of these groups continuously engaged in the research of the recent developments in Mechanical Engineering domain.

#### OBJECTIVE OF THE CONFERENCE

The primary objective of the conference is to provide opportunity for academicians, industry experts, practitioners, professionals, researchers and policy makers from different fields to engage in discussion based on issues related to dynamic and challenging economic environment. It will also provide a platform to get acquainted with latest developments and trends in the economy and business environment coupled with their implications for the organisations. The forum will facilitate interaction among members inside and outside their own respective disciplines to enjoy the fellowship of other professionals and scholars in the field.

#### PAPER FORMAT & PLAGIARISM

- Submissions must include title, abstract, author affiliation with the email address and keywords. Submitted papers should be maximum of 6 pages in length in standard IEEE conference format. All submitted papers will be checked for plagiarism software and those achieving a minimal similarity index of 20% will be republished in the Conference proceedings.

- *The proceedings of the conference will be published with ISBN number. The selected articles, on requests of the author(s) and on additional payment will be published in the Scopus indexed journal.*

**Conference sessions will be conducted in virtual platforms. One of the Authors must participate in the online presentation session. E-certificate will be mailed to the participating author.**

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**Contact Details: ncriatme20@avit.ac.in | www.avit.ac.in | 96772 73089 / 9940242566 / 95008 36981**