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## IMPORTANT DATE(S)

- Deadline for paper submission : **31.05.2021**  
Acceptance Notification : **03.06.2021**  
Final Manuscript submission : **07.06.2021**

## CONTACT DETAILS

### **The Convenor, ICRAMET 2021**

*Aarupadai Veedu Institute of Technology,  
Vinayaka Mission's Research Foundation  
Deemed to be University,  
Vinayaka Nagar, Rajiv Gandhi Salai (OMR),  
Paiyanoor-603 104.*

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9677273089 | 9940242566 | 9043148681**



**AVIT**  
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY



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

## 4<sup>th</sup> INTERNATIONAL e-CONFERENCE ON

## RECENT ADVANCEMENT IN MECHANICAL ENGINEERING AND TECHNOLOGY

## ICRAMET 2021

**24<sup>th</sup> & 25<sup>th</sup> JUNE, 2021**



**ORGANISED BY  
DEPARTMENT OF MECHANICAL  
ENGINEERING**



APPROVED BY AICTE



ACCREDITED BY NAAC



RECOGNIZED BY DSIR



## ABOUT AVIT

AVIT-Aarupadai Veedu Institute of Technology (A Constituent college of Vinayaka Mission's Research Foundation –Deemed to be University,Salem ) is one of the premier engineering colleges located in the tail end of Rajiv Gandhi Salai (Old Mahabalipuram Road), Paiyanoor, Chennai. The University is accredited by NAAC and the Institution courses are approved by AICTE. The institution is committed to impart quality education to the students from different socio-economic backgrounds. The institution, situated in a sprawling and serene ambience suitable for edification offers under-graduate programmes and post-graduate programmes in Full-time and in Part-Time mode. The Institution has collaborations with leading organizations across globe viz..Industries, R&D Centres for experiential learning and for Faculty/Student Exchange programmes. Apart from the professional society memberships, the institution's Innovation Council is vibrant and has an MSME approved Incubation Centre. AVIT is nodal centre for IIT Bombay Spoken Tutorial programme, Swayam-NPTEL etc. The Faculty members and students have been receiving many laurels and awards viz., DSIR Certification, ARIIA Ranking, Chhatra Vishwakarma Awards, ISTE Chapter Awards, Achiever in MHRD's SAMADHAN contest and so on. The Institution also fosters the education through Social reforms with various Institutional Social Responsibility activities. AVIT has been continuously organising online classes, webinars, symposiums for the benefit of students and Faculty Members as well. AVIT always believes "Building individual is Building the World".

## ABOUT DEPARTMENT OF MECHANICAL ENGINEERING

The Department offers undergraduate course in the Mechanical Engineering in full-time and part time mode aswell. Also Post Graduate Course in Manufacturing Engineering in full-time and part time mode and B.VOC. course in Automotive Manufacturing Technology are being offered. 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 objective of this conference is to bring together experts from academic institutions, industries and research organizations and professional engineers for sharing of knowledge, expertise and experience in the emerging trends related to Mechanical engineering education and research. Mechanical Engineering is a traditional field constantly evolving towards new concepts and optimized solutions to existing problems. The mechanical engineering research has become very sophisticated with the introduction of computers and electronics and paved the way for the emergence of new technologies. Globalized competitiveness and increased awareness of the environment have made the mechanical engineering research significantly different with more emphasis on competitive technologies and management approaches.

## 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. The proceedings of the conference will be published with ISBN number. All submitted papers will be checked for plagiarism software and those achieving a minimal similarity index of 10% will be published in the Conference proceedings. The selected articles, on requests of the author(s) and on

additional payment will be published in the Scopus indexed journal. Author(s) is/are sole responsible for the contents and originality of their work.

**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.**

## TOPICS OF INTEREST FOR SUBMISSION INCLUDE, BUT ARE NOT LIMITED TO

- Design/Robotics/PLM
- Manufacturing Technology
- Materials and Metallurgy
- Manufacturing Management/TQM
- Thermal Engineering
- Energy Engineering
- Automobile Technology

## REGISTRATION FEES

**Rs.500/-** per paper

*Publication fees additional (optional) for publication in Scopus indexed journal(s).*

## THE PAPERS WOULD BE PUBLISHED IN

- AIP Conference Proceedings
- Journal of Physics: Conference Series - IOP science
- International Journal of Nanoscience & Nanotechnology- Asia ISSN: 2210-6820 (Online), ISSN: 2210-6812 (Print)

## PAYMENT DETAILS

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