

1st International Conference On “Recent Trends in Mechanical Engineering” 17th & 18th April 2023

About the Departments

The Department of Mechanical and Aeronautical Engineering is the pivot of the college from its inception in 1994 and 2007 respectively. The Mechanical Department boasts of state-of-the-art facilities in imparting practical knowledge in the areas of Design, Production, CAD/CAM and Thermal Engineering and the Aeronautical Department imparting advanced knowledge in the area of Aerodynamics, Aircraft Structures and Propulsion. The Mechanical department offers both B.E. (Mechanical Engineering) and M.E. (Thermal Engineering) programmes which are affiliated to Anna University. The Department has highly qualified and experienced faculty members.

Vision

To look for greatness in the field of Mechanical Engineering training through information and abilities to oblige the necessities of the general public.

Mission

To constantly improve the instructing and learning cycle to empower understudies to meet worldwide needs.

To redesign the information and abilities of understudies, individuals from personnel and supporting staff through standard training.

To produce the best personalities of specialists equipped for meeting assumptions for Industry, Society and Entrepreneurship Improvement.

Original research papers are invited related to the title and theme of the Conference from Researchers, Professors, Industrialists and Academia. The prescribed format for the paper is as follows (waiting for approval):

* **Engineering Proceedings, MDPI.**

* **AIP proceedings.**

Registration Fees:

The registration fee for the conference is applicable to all the participants. If the Scholar/Student/Faculty willing to publish the article in reputed journal then it is mandatory for them to pay the APC charges (**excluded**).

Participants	India	Foreign
Research Scholars/ Students	Rs. 500 /-	25 USD
Professors / Industrialists / Academia	Rs. 1000/-	50 USD

Demand Draft should be drawn in favor of “**The Principal, J. J. College of Engineering and Technology**” from any nationalized bank payable at **Tiruchirappalli** and should be sent to the Conference Chair.

Important Dates:

Abstract submission	: 07.03.2023
Notification for acceptance	: 15.03.2023
Full paper submission	: 21.03.2023
Notification of acceptance	: 03.04.2023
Camera-ready due	: 11.04.2023
Conference date	: 17.04.2023 & 18.04.2023

Address for Communication:

The Conference Chair,
Department of Mechanical Engineering,
J.J. College of Engineering & Technology,
(Sowdambikaa Group of Institutions)
Ammappettai, Tiruchirappalli -620009.

Email: jjmechconference2k23@gmail.com

Scan the DD and send along with your full paper.

1st International Conference On “Recent Trends in Mechanical Engineering” {ICRTME'23}

17th & 18th April, 2023

Organized By

Department of Mechanical and
Aeronautical Engineering



INDUSTRY 4.0

CENTRE OF EXCELLENCE

- **Industrial Robotics Lab | UAV (Drone Lab) |**
- **Hybrid Electrical Vehicle Lab | 3D Printing | Artificial Intelligence Lab**
- **Industrial CNC Machining Centre**
- **EDM Centre | CMM Centre**



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<https://forms.gle/KC6q4C8P3hjLUCNQ7>

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Conference Chief Guest

[18-04-2023]

Dr. V. SIVARAMAKRISHNAN,
Deputy Vice Chancellor,
DMI-St. Eugene University,
Zambia.

About the Conference

Today the technologies are developing at a fast pace and the boundaries between domains are decaying. Hence there is a thriving need to discuss and incorporate the latest developments in Engineering and Technology. Keeping in mind R&D, this conference is to bring academicians, Research Scholars, Professionals and Industry experts on a common platform to spark ideas, discuss current research and shares their views to solve complex design challenges and trends they face in the field of Science, Engineering and Technology. The topics of interest for submission of papers include, but are not limited to

- Material processing and characterization
- Computational and Fluid Dynamics
- Fluid Power Engineering
- Industrial Engineering
- Reverse Engineering/3D Printing
- Turbo Machines
- Renewable Energy Sources
- Heat Power Engineering
- Nano fluids
- Surface Engineering
- Automation and Robotics
- Aerodynamics and Propulsion
- Manufacturing and Management
- Design for Manufacturing and Assembly
- Machine vision and Precision Engineering
- I.C Engines and Alternate Fuels
- Operation Management
- Refrigeration and Air Conditioning
- Advanced Metal Forming
- Mechatronics, MEMS, NEMS