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Dr. Sr. Candy D 'Cunha, Associate Professor and
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Dr. Y. Ravi Kumar, NIT Warangal

Dr. Sarvesh Misra, IIT Kanpur

Submission Guidelines

Font : Times New Roman

Font Size : 12

Abstract : Minimum 150 words with 4 Keywords

Format : MS Word only

Submission Format

1. Title of the article
2. Name of the Author(s)
3. Designation
4. College name
5. Mail Address

Important Dates

Last Date for submission: 13-04-2024

Last Date for Registration: 13-04-2024

Conference date : 15-04-2024, 16-04-2024

Submit your paper: alicamea@gmail.com

Conference registration Details

**Faculty/Academician/Student/Research scholar:
500 INR**

**(Printable E-Certificate, E-Abstract Proceedings with
ISBN will provide to the registered candidates)**

Link for Registration

<https://forms.gle/6EdprjiRE9Vgcafn9>

Address for Correspondence

Dr. G. G. Srinivasu, Assistant Professor - 9849490282

Dr. T. Subba Reddy, Assistant Professor -8919000751

Department of Mechanical Engineering
Andhra Loyola Institute of Engineering & Technology

Andhra Loyola college campus

Vijayawada, Krishna-520008

Andhra Pradesh, India.

Email: alicamea@gmail.com

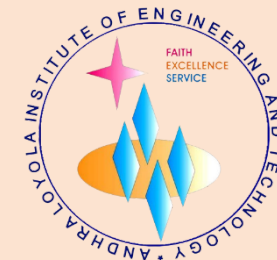
A Two-Day International Conference

on

**Advanced Mechanical Engineering and
Applications (ICAMEA)**

On

15th-16th, April 2024



Organized by

Department of Mechanical Engineering

**Andhra Loyola Institute of
Engineering & Technology**

(Accredited by NAAC A+ and NBA)

Opp. Govt. polytechnic post office

Andhra Loyola college campus

Vijayawada, Krishna-520008

Andhra Pradesh, India

www.aliet.ac.in

in Association with



YANTRA
The Technical Club

About ALIET

Andhra Loyola Institute of Engineering and Technology (ALIET) is managed and administered by the members of the Society of Jesus, also known as Jesuits, belonging to 'Jesuit Province Society – Hyderabad', covering both the states of Andhra Pradesh and Telangana. It was established in 2008 with the approval of Rev. Fr. Peter Hans Kolvenbach, the then Superior General of the Society of Jesus, and with the permission of Rev. Fr. Joseph Sebastian SJ, the then provincial of the Andhra Jesuit Province. The institution, recognized by the Government of Andhra Pradesh and affiliated to JNTU Kakinada, was approved by AICTE, New Delhi, on 4th June 2008. Andhra Loyola Institute of Engineering & Technology was established in the year 2008, under the sister institution of the reputed Andhra Loyola college, Vijayawada. These two institutions are administered and run by Loyola college society, Guntur – Vijayawada.

About YANTRA

YANTRA – The Technical Club was launched in the department of Mechanical Year in the year 2017. The club aims to technically strengthen the students as well as Faculty by integrating their skills in the various fields of Engineering & technology, so as to cope up with the highly competitive Environment. The clubs give a chance to apply classroom learning in the outside world.

About the Department of Mechanical Engineering

The Department of Mechanical Engineering, established in the year 2010, offers a four-year Undergraduate program with an intake of 60 students and Support by a strong faculty of 13 members, the department possesses highly advanced hardware and software tools.

The department also provides ample opportunities to students to work on mini projects, develop communication skills, explore internship opportunities in industry and take active participation in the National and International contests. The laboratories are well equipped with modern training facilities that cater to the requirements of the university syllabus. The department was accredited by NBA and equipped with advanced laboratories like Robotics lab, CNC lab, welding simulation lab.

Vision of the department

To become a competence center in Mechanical Engineering discipline with a strong academic and practical environment to reach the varying and stimulating needs of the current industry, research organizations, imparting social values to serve the society.

Mission of the Department

- To deliver technical education leading to careers as Mechanical Engineering professionals in various fields.
- To develop human resources required to analyze, design, manufacture and optimize the performance of mechanical, thermal and manufacturing systems.

About The Conference

This international conference aims to provide a platform to share the knowledge in recent emerging trends in mechanical engineering and its allied areas among the scholars, academicians, scientists and industry personnel.

The theme of this conference is to focus on the advancements in mechanical engineering and its applications, mainly interdisciplinary areas of mechanical engineering.

The Key Concepts as Follows

- Additive manufacturing
- Designing of Advanced structures and mechanisms
- CAD/CAM
- Advanced Materials and applications
- Heat transfer and applications
- Fluid dynamics, bio fuels and fuel cells
- Design and reliability of mechanical systems
- Advanced manufacturing techniques
- Thermodynamics
- Automation in manufacturing
- Nanotechnology
- Robotics and applications
- Artificial intelligence in mechanical applications
- IOT on mechanical engineering
- Renewable energy systems
- Electrical vehicles
- Mechatronics
- Fluid mechanics
- Industrial Engineering
- Environmental engineering and management
- Operation research