REGISTRATION AND FEE
The participants should register by sending duly filled in registration form along with registration fee to the organizing secretary on or before Jan 25th, 2020. The registration fee payment details are provided in the conference website.

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<th>PARTICIPANT FROM INDIA</th>
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ICTAMDMES’20
INTERNATIONAL CONFERENCE
FEBRUARY 20 and 21, 2020
CHENNAI | TAMIL NADU

IN ASSOCIATION WITH

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AICTE SPONSORED
INTERNATIONAL CONFERENCE ON
TECHNOLOGICAL ADVANCEMENTS IN MATERIALS, DESIGN, MANUFACTURING AND ENERGY SECTORS (ICTAMDMES’20)

February 20 and 21, 2020
Chennai, Tamil Nadu, India

Organized By:
Department of Mechanical Engineering

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SCOPE OF THE CONFERENCE

International Conference on technological advancements in Materials, Design, Manufacturing and Energy Sectors (ICTAMDMEES’20) aims to provide a forum for researchers, practitioners, and professionals from the industry, academia and government to discourse on research and development, professional practice in mechanical engineering and material research. It is one of the leading international conferences for presenting novel and fundamental advances in the fields of mechanical engineering, manufacturing and energy sectors. It also serves to foster communication among researchers and practitioners working in a wide variety of scientific are as with a common interest in improving mechanical engineering.

SPECIFIC TOPICS OF INTEREST (NOT LIMITED TO)

- Extractive / process metallurgy
- Mechanical behavior of materials
- Phase transformations
- Fatigue & fracture mechanics
- Severe plastic deformation
- Nanomaterials
- Ultra-fine grained materials
- Ceramics
- High entropy alloys
- Surface engineering
- Wear & Tribology
- Functional materials
- Metal joining
- Metal forming
- Composite materials
- Solar Energy and conversion technologies
- Wind energy and conversion systems
- Geothermal energy
- Small hydro power development
- Energy storage concepts
- Renewable energy systems in smart cities
- Renewable energy systems for Electrical and hybrid vehicles
- Materials characterization

NONDESTRUCTIVE TESTING
- Corrosion
- Heat treatment
- Metal casting
- Powder metallurgy
- Synthesis of materials
- High temperature materials
- Process modeling and simulation
- Micromachining
- Metal cutting
- Unconventional manufacturing
- Additive manufacturing / Functionally
- Gradient materials
- Design Process
- Design Methods and Tools
- Human Behavior in Design
- Industrial Design
- Optimization in Design
- Finite Element Analysis
- Crash Analysis
- Structural Dynamics /Design
- Microelectronics
- Mechanics of solids
- Biomaterials

ABOUT THE INSTITUTION

St. Joseph's College of Engineering established in the year 1994, celebrating its silver jubilee this year ranks among the top Engineering Colleges in Tamil Nadu affiliated to Anna University, Chennai. All the departments of our College have been accredited by the National Board of Accreditation, New Delhi and certified with A+ by NAAC. Our college is among the top 100 educational institutions ranked by NIRF. Every year a large number of students from our college win accolades at the National and International events. They win awards for their projects and prizes in cultural and sports achievements besides securing many University Ranks. Many of our students get placements in top notch organizations besides securing admissions in world class Universities in India and abroad. The college has provided enormous support and perpetually encourages all our endeavors.

ABOUT THE DEPARTMENT

Our department had a very modest beginning with 40 students and 10 faculty members in the year 1998. Now, we have an annual intake of 180 students and 37 faculty members are rendering their services. We also conduct a post graduate program in Manufacturing Engineering. Our department has been accredited by NBA. Our department being a research centre, having 10 Doctorates and state of the art laboratories to support research, many research scholars across the state showed interest to pursue their PhDs under our mentorship. The collaborative activities like consultancy services, projects, internships and workshops with the industries help our department to progress every day. Our students are well placed in reputable industries throughout the country and abroad. Many of the students are pursuing their higher studies in prestigious institutions in India and abroad (Singapore, Germany, Sweden, USA, UK etc.).