

3rd International Conference

On

Developments in Sustainable Materials, IoT & Robotics, Manufacturing and Energy Engineering

(ICDSMIME-2025)

12th & 13th December, 2025

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Organized by

Department of Mechanical Engineering
Chaitanya Bharathi Institute of Technology

(Autonomous)

Hyderabad, Telangana-500 075

<http://www.cbti.ac.in>

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About the Institute

Chaitanya Bharathi Institute of Technology (CBIT), established in 1979, is a well-regarded private engineering college located in Hyderabad, Telangana. It holds the distinction of being one of the oldest private engineering colleges in India and has earned a strong reputation for academic excellence and a student-centric environment. Various programs of the college were accredited five times by NBA (AICTE) and the institute is also accredited (A++) by NAAC - UGC. The grants received from AICTE/UGC/DST are worth about Rs. 10 crores. The college offers Nine UG and Eleven PG courses. The institute has signed MOUs with various esteemed organizations, has dedicated Training & Placement Centre with strong placement record. It has a vibrant student community with numerous clubs and professional chapters, also hosts major events like TEDxCBIT and Model United Nations (MUN) conferences, which are entirely organized by the students.

About Mechanical Engineering Department

The Department of Mechanical Engineering at CBIT, Hyderabad, is one of the institute's foundational departments, established in 1979. It has a strong focus on both traditional and modern aspects of design, manufacturing, and thermal sciences. Aims to produce globally competitive engineers. It offers both UG and PG. The flagship program is the **B.E. in Mechanical Engineering**, with intake of 120 students and M.E CAD/CAM, with an intake of 18 students. The department emphasizes technological innovation, providing students with access to 18 well-equipped labs spanning 3,300 square meters, including a state-of-the-art 3D Innovation Hexagon Lab. It has 35 eminent faculty, fetched 26 sponsored projects worth of Rs. 279 lakhs from various industries. Has eminent student clubs- SAE, ASME, ASTRA, ROBOTICS under which various activities has been conducted, participated & won in various national and international prizes in events: FSAE-UK & Italy, SUPRA, ISRO.

About The Conference

International Conference on **Developments of Sustainable Materials IoT& Robotic Manufacturing and Energy Engineering (ICDSMIME-2025)** is an interdisciplinary platform bringing together researchers, engineers, industry professionals, academicians and students to share the latest innovations, insights, and challenges in the interlinked domains. As industries worldwide pivot toward more environmentally responsible and efficient production methods, the convergence of sustainable materials, Internet of Things (IoT), robotic manufacturing, and energy engineering represents a transformative frontier. This conference focuses on the latest advancements and innovations driving this shift toward a greener and smarter industrial future.

Call for Papers

ICDSMIME-2025 invites participants to submit high-quality original research papers, addressing current trends, innovations, and future challenges in the conference's core thematic areas.

Selected papers will be published in Open Accesses Journal (Frontiers in Mechanical Engineering)

Conference Tracks: (but not limited to)

Sustainable Materials: Materials for aerospace, thermal/Nuclear power plants, biodegradable materials, Green composites and nano-materials, Materials characterization using NDT&E

IoT & Robotics :Data acquisition, analytics, cloud integration, IoT architecture, Autonomous & mobile robotics, AI-driven robotic control, PLCs, SCADA

Manufacturing: industrial automation tools, Artificial Intelligence and Machine Learning in Manufacturing, Industry 4.0, Cloud manufacturing and data-driven production management, Advanced welding, joining, and surface engineering techniques

Energy Engineering: solar, wind, hydro, biomass, fuel cells, Energy storage and battery technologies, Smart grids and energy-efficient systems, Hydrogen fuel, Carbon capture technologies, Energy policy, economics, and sustainability assessment

Authors are requested to submit their papers at:
icdsmime@cbit.ac.in

Important dates:

Last date of submission	20 November 2025
Notification of Acceptance	25 November 2025
Last Date for Registration	30 November 2025

Payment & Registration details:

A/C.No: 180401001442

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Category	Fee
Publication with ISBN	2000/-
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Registration Link:

<https://forms.gle/YKw96aRudUAtZYtP8>

VENUE: CBIT (A), Gandipet, Hyderabad,

Mode of sessions: Hybrid

Timings: 09:00 AM to 04:00PM

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