

ABOUT THE MECHANICAL ENGG. DEPT.

Established in the year of 1979, the department has grown its expertise and competence in the core Mechanical Engineering curriculum and research. We have a strong undergraduate program in Mechanical Engineering. At present, 48 PhD scholars are pursuing their research under the guidance of faculty of the department. Several Ph.D. scholars from various organizations carry out their research work under our department. Beside this, our department is recognized as a research Centre by the Osmania University.

Our department has an excellent record in both teaching and research in the Institute. Faculty members have good academic credentials and are highly motivated. They have been conferred with prestigious awards at national level. Several faculty members serve on the editorial boards of National and International Journals, review technical articles for journals on a regular basis, and organize International Symposia and Conferences. The students work with various clubs/chapters like ASME, SAE, ASTRA, Robotics, and Innovation Ideas Club.

ABOUT THE PROGRAMME

This Workshop aims to provide the knowledge on the fundamentals, applications, and future prospects of Composites. This Workshop aims to make imagination meet ingenuity to redefine the boundaries of what is possible, by providing the participants with insights into the cutting-edge advancements shaping the world around us.

In today's rapidly evolving technological landscape, materials science stands at the forefront of innovation, driving progress across diverse industries. Composites, formed by combining different materials to create structures with enhanced properties, represent as the main pillar of this revolution. From aerospace engineering to biomedical applications, the integration of composites has unlocked unprecedented possibilities, offering lightweight yet durable solutions, adaptive functionalities, and unparalleled performance.

ABOUT THE INSTITUTE

CBIT(A) is one of the premier Engineering Colleges in the state of Telangana located in the serene surroundings of Gandipet Lake. Over the past 41 years this institute has become a temple of knowledge and produced about 21,000 eminent and skillful graduate and postgraduate engineers, serving all over the world. Various programmes of the college were accredited five times by NBA (AICTE) and the institute is also accredited by NAAC - UGC. UGC has granted autonomous status to this institute from the academic year 2013-2014 and renewed in 2019-2020. The total constructed area is about 6.257 lakhs sq. ft, Worth about Rs. 45.00 crores spread over 50.32 acres. The grants received from AICTE/UGC/DST are worth about Rs. 4.5 crores. The college offers Nine UG and Eleven PG courses. The institute has signed MoU's with various esteemed organizations.

ABOUT ISAMPE

ISAMPE - Indian society for Advancement of materials and Processing Engineering, is a body of professionals dedicated to the promotion of professional and technical excellence in the field of materials and process technology in the country.

Founded in September, 1985, with Bangalore as Head Quarters, it aims at establishing and fostering scientific and organized approach to advancement and application in the field of materials and processing through education, research, compilation, dissemination of information, training and interaction among professional of inter-disciplinary fields. As the members are drawn from various organizations the deliberations and technical meets of ISAMPE form the basis for planning advanced research by R&D scientists and an opportunity to know the market requirements, new technologies and products.

The major thrust of ISAMPE is in the field of Composites. It has been organizing number of Conferences, Seminars, Product, Exhibitions and Workshops in this vital field.



A One-Week Workshop

on

“Recent Advances in Design, Manufacturing & Testing of Composites”

06 - 11, January 2025

**Coordinator
Dr. N. Janardhan
Dr. Rahul**

Organized by

Chaitanya Bharathi Institute of Technology (A)

(Affiliated to Osmania University & Approved by AICTE, Accredited by NBA-AICTE, NAAC-UGC, ISO 9001-2015 certified Institute)

In collaboration with



Advanced Systems Laboratory (ASL), DRDO

&



ISAMPE - Indian Society for Advancement of Materials and Process Engineering, Hyderabad Chapter

ORGANIZING COMMITTEE

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ELIGIBILITY

The Faculty Members of the AICTE approved institutions, Research Scholars, PG Scholars, B.E./B.Tech. Students, participants from Government, Industry (Bureaucrats/ Technicians/ Participants from Industry etc.) and staff of host institutions.

GUIDELINES

- Eligible participants will be selected based on first come first serve basis and will be intimated by e-mail only.
- On the last day of the program an assessment test will be conducted for all participants.
- 75% Attendance is mandatory to receive the certificate.

REGISTRATION DETAILS

- Rs. 250/-, including GST, for Faculty Members of the AICTE approved institutions
- Rs. 150/-, including GST, Research Scholars, PG Scholars
- Rs. 100/-, including GST, for B.E./B.Tech. Students
- Registration form:
<https://forms.gle/mURHR3qu33URAT527>



Merchant Name : CBITSTUDENTACTIVITIES
Mobile Number : 8466997204

RESOURCE PERSONS

1.	Introduction of Processing and manufacturing methods of polymer matrix composites Dr M.Padmanabha Raju, Sc-F, ASL, DRDO. On 06-01-2025
2.	Mechanical Characterization of Composites Shri. H. Ashvin Kumar, SC-E, ASL, DRDO On 07-01-2025
3.	Mechanical Design of Composite Structures Dr. S.A Khalane, SC-H, Tech. Director, ASDAG, ASL, DRDO On 07-01-2025
4.	Thermal Characterization of Composites Shri. A. O. Sidiq, SC-F, ASL, DRDO. On 08-01-2025
5.	Thermal design of composites Shri. M.Ramesh Babu, SC-F, ASL, DRDO. On 08-01-2025
6.	Production of Composite Structures Shri. S. Seetharaman, SC-G, ASL, DRDO. On 09-01-2025
7.	NDT of composite structures Shri. Durga Prasad, T.O-B, ASL, DRDO On 09-01-2025
8.	Nano Composites for Aerospace Applications Dr. I. Srikanth, SC-F, ASL, DRDO. On 10-01-2025
9.	3-D Printing for Prototyping of structures Shri. Mr. Yoganand, CEO, Y-Element. On 10-01-2025
10.	Industrial visit

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