

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. 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.

ABOUT THE PROGRAMME

The program me is designed to equip undergraduate and postgraduate students with fundamental and advanced knowledge of composite materials, their manufacturing processes, characterization techniques, and diverse engineering applications. By integrating expert lectures with an industrial visit, the program me provides students with practical exposure to industrial practices, helping them bridge the gap between classroom learning and real-world applications

1. Provide students with a strong foundation in composite materials, including polymer matrix, metal matrix, ceramic matrix, natural-fiber, and hybrid composites.
2. Familiarize participants with recent developments in composite characterization, testing techniques, and emerging research trends.
3. Enhance students' understanding of material characterization techniques, including mechanical, thermal, microstructural, and non-destructive testing (NDT) methods.
4. Demonstrate the wide-ranging industrial applications of composites in aerospace, automotive, defense, renewable energy, biomedical, civil infrastructure, electronics, and other engineering sectors.
5. Demonstrate the industrial applications of composite materials in aerospace, automotive, defense, renewable energy, biomedical, marine, and infrastructure sectors.
6. Bridge the gap between academic learning and industrial practice through interactions with experienced researchers, industry professionals, and subject experts

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.



COMMITTED TO
RESEARCH,
INNOVATION AND
EDUCATION

47
years

A Two Days

*Industry-Institute
Interaction Workshop*

on

**“Recent Advances in
Composites Engineering and
Research (RACER-W10)”**

21st & 22nd August 2026

**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



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

ORGANIZING COMMITTEE

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6. K. Chandana, IIIrd Sem, 8885456877

GUIDELINES

- No Registration Fee.
- The Workshop will be conducted offline mode.
- Eligible participants will be selected based on first come first serve basis.
- 75% Attendance is mandatory to receive the certificate.
- Registration is Mandatory

REGISTRATION DETAILS

- Registration form:
<https://forms.gle/5jEaz6t2hWAvktmV6>

RESOURCE PERSONS

21-08-2026	
1.	Inaugural function 10AM-11AM
2.	Introduction on Polymer Matrix Composites (11AM-12:30PM) Sri. P Sunder Singh, SC-G, DRDO,ASL
3.	Industrial visit-AN (21-08-26) (1PM-4PM)
22-08-2026	
4.	Design of Composite Structure (09:30AM-10:30AM) Dr. Rajesh Addanki, SC-G, DRDO, ASL
5.	TEA BREAK (10:30AM-10:45AM)
6.	Manufacturing of Composites Components & Overview (10:45AM-11:45AM) Y. Gangadhar Sinha, SC-G, DRDO, ASL
7.	Mechanical Testing of Composites (11:45AM-12:45PM) Dr. G. Rama Rao, SC-G, DRDO, ASL
8.	LUNCH BREAK (12:45PM-01:30PM)
9.	NDT of composite Structures (01:30PM-02:30PM) Dr. K. Srinivas, SC-G, DRDO, ASL
10.	Thermal Design of Composite Structures, Mr. Ramesh Babu, SC-F, DRDO, ASL
11.	Valedictory (03:30PM-04:00PM)

For Details Contact

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