

ORGANIZING COMMITTEE

Chief Patron

Sri. N. Subash, President, CBIT

Patron

Dr. C. V. Narasimhulu, Principal, CBIT

Advisors

Prof. P Ravinder Reddy, Director R&E
Prof. P V R Ravindra Reddy, Director SAP
Prof. A D Sharma, Advisor R&D
Prof. Umakant Choudhary, Advisor I&I
Prof. N V Koteswara Rao, Director IQAC
Prof. K Krishna Veni, Director Academics
Prof. P Suresh, Director AEC & COE

Convenor

Dr. P. Prabhakar Reddy, HoD, Mechanical, CBIT

Coordinators

Dr. Venkata Sushma Chinta, Assistant Professor, MED.
Dr. Nagini Yarramsetty, Assistant Professor, MED.
Dr. Ashutosh Sahu, Assistant Professor, MED.

Co-Coordiators

Dr. Kiran Kumar Amireddy, Assistant Professor, MED
Smt. N Jyothirmayi, Assistant Professor, MED
Smt. V Sandhya, Assistant Professor, MED

Mode of classes: Online

Timings: 2:00 PM to 4:00 PM

ABOUT THE INSTITUTE

CBIT is one of the premier Engineering Colleges in the state of Telangana located in the serene surroundings of Gandipet Lake. Over the past 45 years this institute has become a temple of knowledge and produced about 22,000 eminent and skillful graduate and postgraduate engineers, serving all over the world. Various programs of the college were accredited five times by NBA (AICTE) and the institute is also accredited (A++) 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. 55.00 crores spread over 50.32 acres. 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.

ABOUT MECHANICAL ENGINEERING DEPARTMENT

Established in the year of 1979, the Department of Mechanical Engineering has grown its expertise and competence in the core Mechanical Engineering curriculum and research. We have a strong undergraduate program in this department. At present, 48 students are pursuing PhD under different faculty members. Several PhD scholars from various organizations carry out their research work under our department. Besides, our department is recognized as a research center 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, Robotics, ISTE, and Innovation Ideas Club.



COMMITTED TO
RESEARCH,
INNOVATION AND
EDUCATION

46
years

One-week Online Faculty Development Program (FDP)

on

“Robotics and Industrial Automation”

4th November - 9th November, 2024

Coordinators

**Dr. Venkata Sushma Chinta
Dr. Nagini Yarramsetty
Dr. Ashutosh Sahu**

Organized by



Department of Mechanical Engineering

Chaitanya Bharathi Institute of Technology (A)

**(Affiliated to Osmania University & Approved by AICTE, Accredited by NBA-AICTE, NAAC-UGC, ISO 9001-2015 certified Institute)
Kokapet (V), Gandipet (M), Hyderabad,
Telangana-500075
Website: <http://www.cbit.ac.in>**

ABOUT THE PROGRAMME

The objective of the program is to provide knowledge of advanced techniques used to synthesize various advanced novel materials as given below,

- Building a strong foundation in Robotics, Industrial Automation, and Human-Centric Design
- Gaining expertise in AI, ML, and Motion Planning for autonomous robots
- Exploring the integration of Robotics with Industry 5.0 and IoT

RESOURCE PERSONS:

1. Dr. Velagapudi Vasu
Professor

Department of Mechanical Engineering
NIT Warangal

2. Prof. V. Pandu Ranga
Professor
School of Mechanical Sciences
IIT Bhuvanewar

3. Dr. Arshad Javed
Associate Professor
Birla Institute of Technology & Science –
Pilani, Hyderabad Campus

4. Dr. Ravi Kumar Mandava
Department of Mechanical Engineering,
IIITDM Kurnool

5. Dr. Abhishek Sarkar
Assistant Professor
Birla Institute of Technology & Science –
Pilani, Hyderabad Campus

TOPICS TO BE COVERED

- Introduction to Robotics and Industrial Automation
- AI and ML in Robotics
- Human-Centric Design and Collaborative Robotics
- Motion planning and path finding Algorithms
- Intelligent and Autonomous Robots
- Robotics and Industry 5.0/ Industrial Automation and IoT Integration

ELIGIBILITY

Faculty and research scholars of all engineering branches and science backgrounds.

GUIDELINES

- Complete the fee payment
- Register for the program by filling the google form.

ACCOUNT DETAILS

Registration fee: Rs. 200/-

Bank Details:

Bank name: ICICI Bank

Acc. No. 180401001442

IFSC Code: ICIC0004385



REGISTRATION

Please register by filling the below google form

<https://docs.google.com/forms/d/1z3YyftNI9BRmWuk1YLbFKn623ijoRCzKPY2x32IbMLw/edit>

FOR DETAILS CONTACT:

Dr. Ashutosh Sahu,
Assistant Professor,
Dept. of Mechanical Engineering, CBIT,
Hyderabad-500075, Contact No: +91-
8170837457,
Email Id: ashutosh_mech@cbit.ac.in

Dr. Venkata Sushma Chinta,
Assistant Professor,
Dept. of Mechanical Engineering, CBIT,
Hyderabad-500075, Contact No: +91-
8317643775,
Email Id:
venkatasushmachinta_mech@cbit.ac.in