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Prof. D. Krishna Reddy, *Director - R & D*

Prof. U.K Chaudhury, *Director - Innovation & Incubation*

Dr. N.L.N. Reddy, *Advisor-CDC - Career Development Cell*

Convenor

Dr. R. P. Chowdary, *HEAD, Mechanical Engg. Dept.*

Coordinators

Dr. P. Ravinder Reddy, *Professor, MED.*

Dr. Ch. Indira Priyadarsini, *Assistant Professor, MED.*

Dr. P.Anjani Devi, *Assistant Professor, MED.*

Dr. P.Ramalakshmi, *Assistant Professor, MED.*

Technicians

Mr. N. Chandra Shekar, *MED*

Mr. K. Raj Gopal, *MED*

Mode of sessions: 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 46 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.



**CHAITANYA BHARATHI
INSTITUTE OF TECHNOLOGY**
An Autonomous Institute | Affiliated to Osmania University
Kokapet Village, Gandipet Mandal, Hyderabad, Telangana-500075, www.cbit.ac.in
Approved by AICTE, Affiliated to UGC, Accredited by NAAC, NBA, NIRF, All India Ranking 95-100 Band

COMMITTED TO
RESEARCH,
INNOVATION AND
EDUCATION

46
years

**One-week Online Faculty Development
Program (FDP)**

On

**“Advanced ANSYS Mechanical
Software”**

25th - 29th November, 2024

Coordinators

Dr. P. Ravinder Reddy
Dr. Ch. Indira Priyadarsini
Dr. P.Anjani Devi
Dr. P.Ramalakshmi



Organized by

Department of Mechanical Engineering

In association with



ARK Infosolutions Pvt. Ltd

ANSYS ELITE CHANNEL PARTNER

ABOUT THE PROGRAMME

ANSYS is a powerful engineering simulation software used primarily for computer-aided engineering (CAE) applications. It enables engineers and designers to model, simulate, and analyze physical phenomena in a virtual environment across various fields, including structural mechanics, fluid dynamics, electromagnetics, thermal analysis, and more.

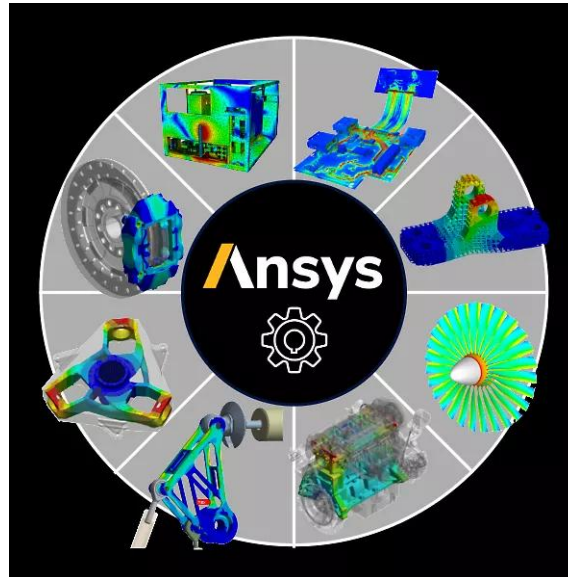
ANSYS is widely regarded for its accuracy and comprehensive features, making it a go-to software in engineering fields for virtual prototyping, saving time and costs in product development.

LEARNING OUTCOMES

- ♣ Define an engineering problem, an approach to research problem and selection of suitable FEA Domain.
- ♣ Solving engineering situations, drawn from aero/auto domains
- ♣ Improves creativity that is required by concept designers
- ♣ Visualization problems based on logic, process, geometries, etc.

TOPICS TO BE COVERED

- Basic Introduction to Ansys: FEA and its tools, Material selection and modification , Meshing & Different Mesh Techniques
- Static Structural Analysis : Linear
- Non- Linear Analysis (Types : Material, Geometric & Contact Analysis)
- Vibrational Analysis : (Modal & Harmonic Analysis)
- Thermal Analysis & Fatigue Analysis
- Rigid Body Dynamics , Transient Thermal Analysis
- Coupled Field Analysis : Piston Analysis (Steady state and Transient Heat transfer with static analysis) , Fluid to Thermal and Static Analysis
- Random Vibration : Seismic and Earthquake Analysis



WHO CAN ATTEND

Faculty and Research scholars of CIVIL & MECHANICAL branches.

GUIDELINES

- Register for the program by filling the google form .
- No registration fee

<https://forms.gle/unTNdTpxvpj3hwbA9>

FOR DETAILS CONTACT

Dr. Ch. Indira Priyadarsini,
Assistant Professor,
Dept. of Mechanical Engineering, CBIT,
Hyderabad-500075,
Contact No: +91- 9440701652,
Email Id: priyadarshini_mech@cbit.ac.in

Dr. P. Anjani Devi,
Assistant Professor,
Dept. of Mechanical Engineering, CBIT,
Hyderabad-500075,
Contact No: +91- 999408547,
Email Id: panjanidevi_mech@cbit.ac.in