



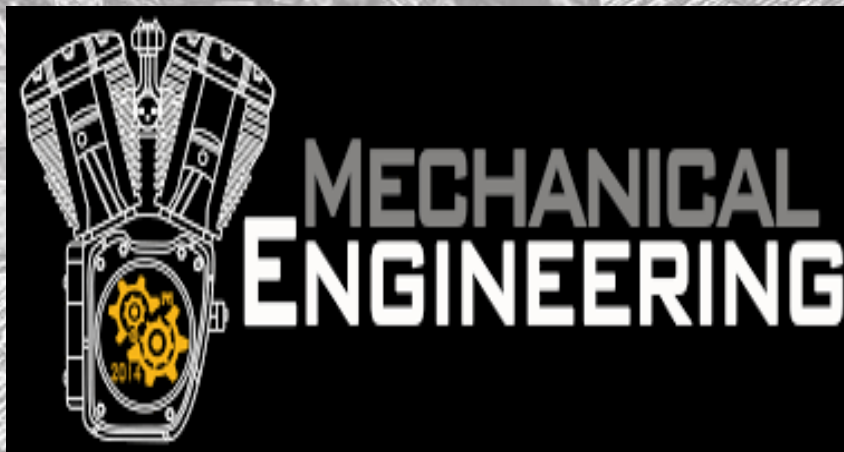
 **CARRIER 360**
CIT IS CLASSIFIED AS AAA+ CATEGORY

 **TIMES HIGHER EDUCATION REVIEW-2018**
CIT ranks 54th position in Top 100
Engineering Colleges in India

TRANSFORMING LIVES

“Among all the
machines,
motorcar is my
favourite
machine.”

— Amit
Kalantri



**MECHANICAL
ENGINEERING**

CHIEF EDITOR:

DR.R.RAMESH BABU (Dean Research)

DR.M.D.VIJAYAKUMAR (Assc.Prof)

SUD-CHIEF EDITOR:

NIRANJAN.K- 4TH Year Mech

NAVEEN K-3RD Year Mech

Vision of the Institute

To be an eminent centre for Academia, Industry and Research by imparting knowledge, relevant practices and inculcating human values to address global challenges through novelty and sustainability.

Mission of the Institute

- IM1.** To create next generation leaders by effective teaching learning methodologies and install scientific spark in them to meet the global challenges.
- IM2.** To transform lives through deployment of emerging technology, novelty and sustainability.
- IM3.** To inculcate human values and ethical principles to cater the societal needs.
- IM4.** To contribute towards the research ecosystem by providing a suitable, effective platform for interaction between industry, academia and R & D establishments.
- IM5.** To nurture incubation centres enabling structured entrepreneurship and start-ups.

Vision of the Department:

To Excel in the emerging areas of Mechanical Engineering by imparting knowledge, relevant practices and inculcating human values to transform the students as potential resources to cater the needs of the industries and society in order to uphold the sustained manufacturing activities

Mission of the Department:

- DM1:** To provide strong fundamentals and technical skills in Mechanical Engineering through effective teaching learning Methodologies.
- DM2:** To transform lives of the students by fostering ethical values, creativity and innovation to become Entrepreneurs and establish Start-ups.
- DM3:** To habituate the students to focus on sustainable resources with optimal usage to ensure the welfare of the society.
- DM4:** To provide an ambience for research through collaborations with industry and academia.
- DM5:** To inculcate learning of emerging technologies for pursuing higher studies leading to lifelong learning.

Program Educational Objectives (PEOs)

Graduates will be able to

- PEO1.** Contribute to the industry as an Engineer through sound knowledge acquired In core engineering to develop new processes and implement the solutions for industrial problems.
- PEO2.** Establish an organization / industry as an Entrepreneur with professionalism, leadership quality, teamwork, and ethical values to meet the societal needs.
- PEO3.** Create a better future by pursuing higher education / research and develop the sustainable products / solutions to meet the demand.

Program Specific Outcomes (PSOs)

S.No	Programme Specific Outcomes
PSO1	To analyze, design and develop solutions by applying the concepts of Engineering Design for societal and industrial needs.
PSO2	To create innovative ideas and solutions for real time problems in Manufacturing sector by adapting the emerging technologies and modern tools.

Internships

- ✚ Internshala.
- ✚ Codespeedy Tech Pvt. Limited.
- ✚ PAN Tech Prolab India Pvt Ltd.
- ✚ Verzes
- ✚ National Skill and Development India.
- ✚ Tact Labs.
- ✚ JRC Engineering.
- ✚ IIT Madras.
- ✚ Abyom Space Tech and Defense Pvt Ltd.
- ✚ Aashman Foundations.
- ✚ Creativegenic Solutions.
- ✚ Ashok Leyland.
- ✚ Sky Rider Institutions.
- ✚ BOSCH.
- ✚ Sampson's Plastic Industries.
- ✚ APSIS Solutions.
- ✚ Komatsu India Pvt Limited.
- ✚ Inventrom Pvt Ltd Bolt IOT.
- ✚ L&T Construction
- ✚ M K Auto components India Pvt Ltd.



BOSCH
Invented for life

Robert Bosch GmbH, commonly known as Bosch, is a German multinational engineering and technology company headquartered in Gerlingen. The company was founded by Robert Bosch in Stuttgart in 1886. Bosch is 92% owned by Robert Bosch Stiftung, a charitable institution.



Ashok Leyland

Ashok Leyland is an Indian multinational automotive manufacturer, headquartered in Chennai. It is owned by the Hinduja Group. It was founded in 1948 as Ashok Motors and became Ashok Leyland in the year 1955. Ashok Leyland is the second-largest manufacturer of commercial vehicles in India, the third-largest manufacturer of buses in the world, and the tenth-largest manufacturers



Internshala is an internship and online training platform, based in Gurgaon, India. Founded by Sarvesh Agrawal, an IIT Madras alumnus, in 2011, the website helps students find internships with organisations in India. The platform, which was founded in 2010, started out as a WordPress blog that aggregated internships across India and articles on education, technology and skill gap. Internshala launched its online trainings in 2014. As of 2018, the platform had 3.5 million students and 80,000 companies.



VERSES Labs provides enterprises, organizations and governments with an extensive suite of integrated technologies that offer powerful spatial rights management capabilities to enable dynamic workflows, verifiable traceability, intelligent automation and collaborative ecosystems that address the need for multi-party privacy, security and interoperability by design.

Industrial Visits



INDUSTRIAL VISIT TO NBSL



NBSL India was established in Chennai, Tamil Nadu in 2016, which is the first localized elevator components factory invested by Chinese company in India. It is the ingenious and diligent work of many elevator professionals that enables passengers to enjoy the convenience and comfort elevators bring to them.

Volunteer Works

Activity	Organizers
Cleaning Around the Water Bodies	NCC
Tree Plantation	NCC
Fit India Movement	NCC
Road Safety Awareness Programme	CIT-NCC & Rotary Club
Covid 19 Awareness	CIT-NCC & Apollo Hospitals
Blood Donation	CIT-NCC & Lions Club
Swachh Bharath in Schools	CIT-NCC & Chennai Heat Treaters
Awareness on Online Banking Fraud	Dengue Awareness & Stanley Hospitals
Quiz Program	CIT-NCC & Dinamalar



Covid 19 Awareness

CIT-NCC & Apollo Hospitals



The National Cadet Corps is the youth wing of the Indian Armed Forces with its headquarters in New Delhi, India

In CIT NCC Cadets Help the people those who vaccinated in Chennai Institute of Technology. The soldier youth foundation in India is a voluntary organization which recruits cadets from high schools, higher secondary, colleges and universities all over India. The Cadets are given basic military training in small arms and drill. The officers and cadets have no liability for active military service once they complete their course.



WORKSHOP

Department of Mechanical Engineering has organized various Workshop for students during this even semester.

3D- Printing & Reverse Engineering



The 3D printing and Reverse Engineering Lab is one of the outstanding Centre of Excellence (CoE), started in association with prestigious Lu-Ban workshop of China and Tianjin Vocational college of Mechanical and Electricity.

This CoE is meant for providing fundamental knowledge on additive manufacturing process for the engineering students and practicing engineers from the industry and research establishment.



Industrial Automation



The Industrial Robotics and Automation centre was established to offer training on robots and its applications in an industrial calibre.

This Centre of Excellence was setup in Collaboration with KUKA, Germany in 2014, which houses one of the best Kuka's articulated arms, the KR 16, where the students are taught to simulate and program the robot to perform stipulated tasks.



Webinars

The Department of Mechanical Engineering had conducted a numerous number of webinars.



KUKA CENTER FOR Industrial Robotics

- This collaborative effort of CIT-CHENNAI & KUKA has the main objective to encourage young professionals to take up this cross disciplinary field as a career of their choice and acquaint them with latest technological developments in the field of Industrial Robotics.
- The centre aims to train young engineering graduates and diploma students of all engineering disciplines up to the Industry expectations and foster research in applied robotics field.

Gallery

SAE EBAJA





Convocation

