



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

 **TIMES HIGHER EDUCATION REVIEW-2020**
CIT ranks 54th position in Top 100
Engineering Colleges in India

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

— Amit
Kalantri

TRANSFORMING LIVES



MECHANICAL ENGINEERING
AND EVERYTHING ABOUT IT

CHIEF EDITOR :

DR.V.DHINAKARAN(HoD)

DR.M.D.VIJAYKUMAR(Asst.prof)

**MECHANICAL
ENGINEERING**

SUB-CHIEF EDITOR :

SHYAM SUNDAR 3rd Year Mech

NIRANJAN.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 instill 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.

Gokul autotech pvt ltd:



- Gokul Autotech Private Limited is an unlisted private company incorporated on 11 October, 2002. It is classified as a private limited company and is located in Kancheepuram, Tamil Nadu.
- Gokul Autotech has installed exquisite coordinate measuring machines in its manufacturing plant (Carl Zeiss), which ensures that machining set ups are ensured through sampling with minimal possible least count. With evolution of each step of Euro Norms, tolerances on components are becoming tighter and needs compatible equipment to measure them.



- AASMAAN Foundation was started in the year 2009, as a group of people who wanted to give something back to the society in some or the other way. Later in the year 2012 it got registered as a Non Governmental Organization.
- AASMAAN Foundation is working for the upliftment and betterment of the less-privileged kids. It works in the field of child's education, health and his rights.

KOMATSU®

Komatsu Ltd. is a Japanese multinational corporation that manufactures construction, mining, forestry and military equipment, as well as diesel engines and industrial equipment like press machines, lasers and thermoelectric generators. Its headquarters are in Minato, Tokyo, Japan. The corporation was named after the city of Komatsu, Ishikawa Prefecture, where the company was founded in 1921. Worldwide, the Komatsu Group consists of Komatsu Ltd. and 258 other companies (215 consolidated subsidiaries and 42 companies accounted for by the equity method).

INDUSTRIAL VISITS



- **Chennai Heatreaters Private Limited started in the year 2004 as a commercial heat treatment shop. The founder of the Organization having well knowledgeable and vast experience in the field of Manufacturing Engineering and Metallurgical Processes. Having the strong work force with strong Technical background in Metallurgy, Electrical, Instrumentation and Quality System Management.**
- **All our furnaces are made by HIGH TEMP Bangalore. They are renowned furnace manufacturer in Asia and India. HIGHTEMP fully owned by Japanese Company owned by DOWA MINING COMPANY Japan. Hence the furnaces are made to meet international quality standards.**

VOLUNTEER WORK

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

WORKSHOP

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

HARITA RESEARCH CENTER IN MECHANICAL ENGINEERING

- 
- Established in association with Harita Techserv
 - Globally recognised certificate program
 - Internship Training for BE and ME Students
 - Training the engineering students and graduates in Design, Analysis, Manufacturing and Product Lifecycle Management (PLM) an par with global standards

- 
- Skills upgradation in Robotics & Automation to technicians / engineers for industry
 - Expertise in Design and Resource Optimization
 - Research & Development
 - A Industrial Consultancy

Webinars

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

CHENNAI INSTITUTE OF TECHNOLOGY
KNOWLEDGE 4.0
Technical Webinar Series

ONE WEEK ONLINE FACULTY DEVELOPMENT PROGRAM
ON
Purely the Fundamentals of Mechanical Engineering

 Dr. T. Ramesh NIT, Trichy 01 June, 2020, 09.30am - 11am	 Dr. Siva Prasad AVS IIITDM 01 June, 2020, 02pm - 3.30pm
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01-05 June, 2020 | 09am - 04pm

For registration:
99416 17332
www.citchennai.edu.in/webinar

www.citchennai.edu.in

Mechanical Engineering, as its name suggests, deals with the mechanics of operation of mechanical systems. This is the branch of engineering which includes design, analysis, testing, manufacturing and maintenance of mechanical systems. The mechanical engineer may design a component, a machine, a system or a process. Mechanical engineers will analyze their design using the principles of motion, energy, and force to ensure the product functions safely, efficiently, reliably, and can be manufactured at a competitive cost.

GALLERY

Workshop



CHENNAI
INSTITUTE OF TECHNOLOGY

National Workshop
on
**Additive & Advanced Manufacturing
Technologies**

Organised by
Department of **Mechanical Engineering**



Dr. P. Hariharan
Professor & Director,
Centre for Student Affairs
Anna University Chennai



Dr. M. Pradeep Kumar
Professor & Director
AU-FRG Institute of CAD/CAM
Anna University, Chennai

12th
October
2020



For Registration:
86100 52015
www.citchennai.edu.in/webinar

Workshop

ENVISIONING A GREATER CAREER

with
a vibrant campus life


Join Now



a door to
**Student
Friendly**
Environment



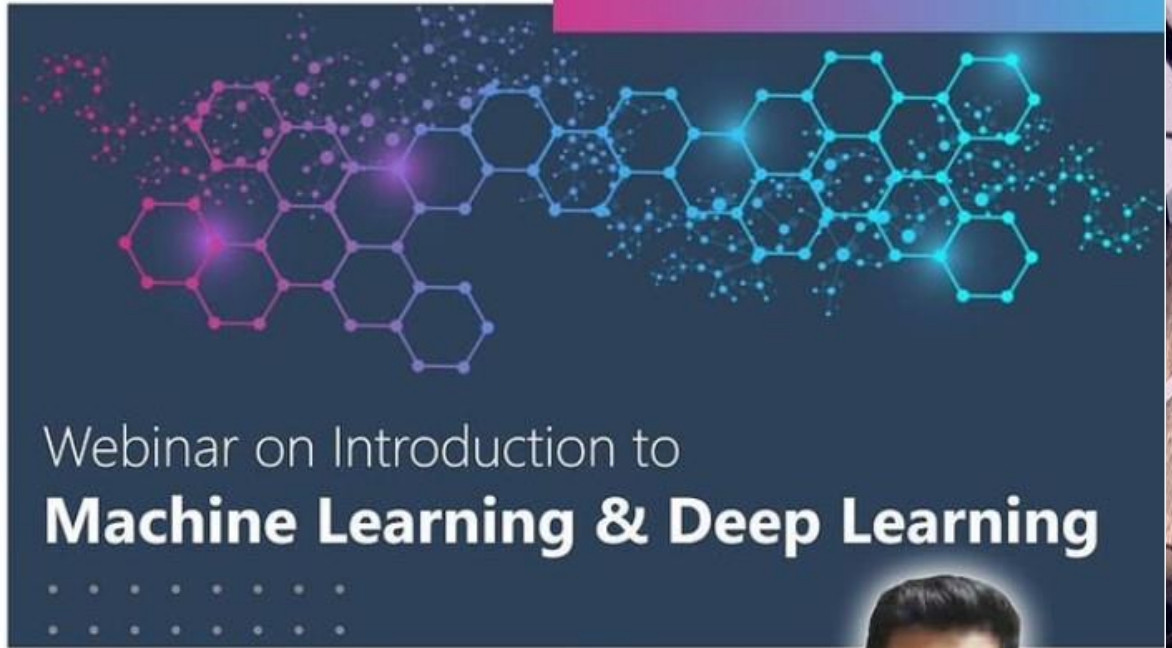
For Admissions, Contact:

 **8939917000**

www.citchennai.edu.in

Data Science

DATA SCIENCE CLUB



Webinar on Introduction to
Machine Learning & Deep Learning



Mr.Ahamed Khalid

Vice President - Business Head
Imarticus Learning

 11th Nov, 2020
3pm - 4pm



For Details, Contact:
 8939917000
www.citchennai.edu.in



Debate

CHENNAI
INSTITUTE OF TECHNOLOGY

கணித்
தமிழ்
பேரவை



இணைந்து வாழங்கும்

பட்டிமன்றம்



இக்கால இளைஞர்களுக்கு இலக்கிய ஆர்வம்...

வளர்ந்து வருகிறதா?

குறைந்து விட்டதா?

17th October, 2020 | 2 pm

For more details, Contact:
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Mr.A.Suresh: 94443 20999

