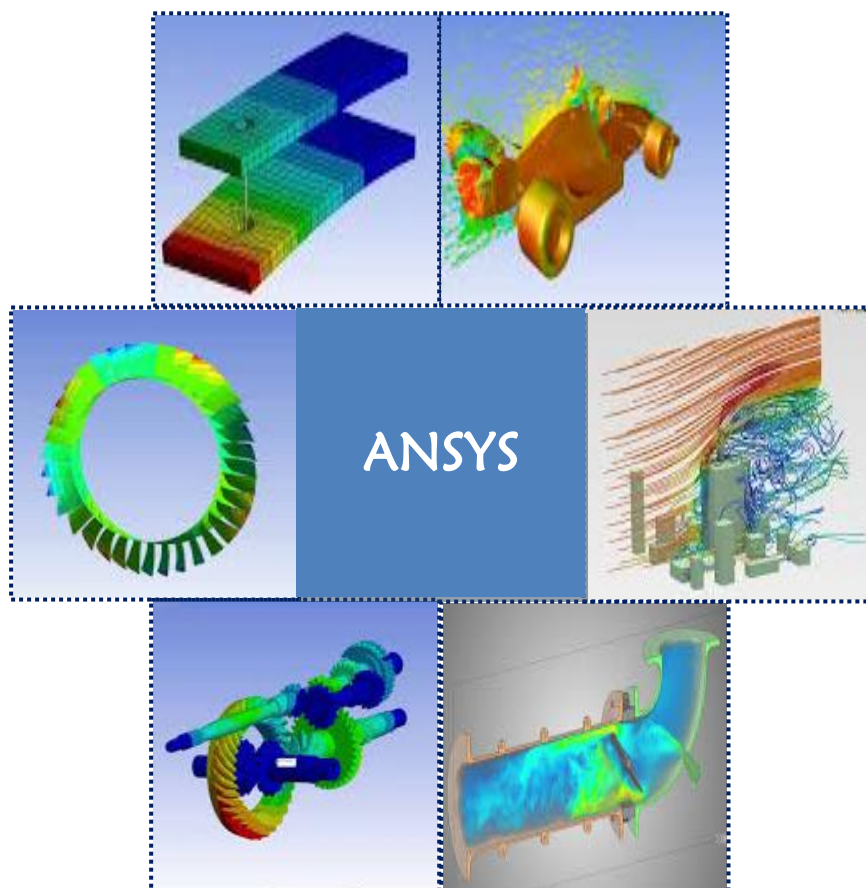




WEBINAR ON SIMULATION DRIVEN ENGINEERING BEST PRACTICES USING ANSYS



26 MAY, 2020 (FN)

Coimbatore Institute of Technology

Coimbatore Institute of Technology (CIT), Coimbatore, is a Government Aided Autonomous Institution established in the year 1956. The Institute offers Under Graduate, Post Graduate and Ph.D research programmes in Engineering. The Institute is approved by AICTE, New Delhi, Affiliated to Anna University, Chennai and Accredited by National Board of Accreditation (NBA), New Delhi. The institute has a reputation with service of competent, well-qualified faculty and dynamic management to set highest standards in engineering research and development. The institute has collaboration with leading frontier universities and industries in India and abroad for the promotion of innovative research and development. National Institutional Ranking Framework (NIRF), MHRD, Govt. of India., has ranked CIT with 1st place in Tamil Nadu for Graduate Outcome and 62nd Place in NIRF 2018.

Teaching Learning Centre

Coimbatore Institute of Technology has been approved as Teaching Learning Centre (TLC) under the scheme of Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT), Department of Higher Education, Ministry of Human Resource Development (MHRD) in December 2017. MHRD has sanctioned grant to establish Teaching Learning Centre in Coimbatore Institute of Technology for Raising the Quality of Teaching through training, retraining, refresher and orientation programmes in the disciplines of Academic, Research, and Management (ARM). CIT – TLC is established to improve the quality of teachers of technical education institutions in the regions of Tamil Nadu (West), Kerala, Karnataka, Andhra Pradesh, and Puducherry.

About the Course

The main objective of this programme is to discuss with the faculties about importance of simulation based/drive engineering design. INNOVENT endeavors to build a strong holistic engineering design culture by comprehensively addressing every facet of design and analysis. Simulation is just one component, product familiarity, engineering best practices, material challenges are some of the other major components that must be addressed comprehensively for simulation to be fruitful.

Mode of Delivery & Requirements

The course will be an internet based online presentation for 3 Hours. The programme is scheduled on 26 May 2020 from 9.30 AM to 12.30 PM. The participants willing to attend this programme will require a computer with Webcam, Audio (Speaker & mic) and uninterrupted internet connection. Laptops are preferred, as these are having inbuilt camera, mic and speaker facility

Facilitator Detail

Mr. S. Avinash

Chief Executive Officer

INNOVENT Engineering Solutions Pvt. Ltd

Course Outline

The content outline of this programme

Session 1 – Engineering Simulation (3 Hours)

Learning Order	Case - Studies
Problem Definition Physics of the problem Input parameters (material, loads, geometry) Hand Calculation Understanding sensitivity of parameters using Xls Simulation (Ansys) Notes to Designer's and Analyst's	Composite beam analysis Bi-metallic strip analysis Sinusoidal load on beam Curved beam analysis Vibration - Two mass system Vibration - Overhung mass system

Registration Details

Eligibility

Faculty Members and Full Time Research Scholars of **Civil/Aerospace/Mechanical/Automobile/Mechatronics** disciplines are eligible to apply for this programme

Registration Procedure

- No Registration/Participation fee will be collected
- Interested participants are requested to register through the following Google Form link on or before 21st May, 2020

<https://forms.gle/35fFnXPnXHXoyXQU6>

- The number of participants is limited to 100
- Selected participants will be intimated through e-mail by 22nd May, 2020
- Participants who can commit to attend the course only need to apply for this programme

Organizing Committee

Chief Patron

Dr.S.R.K.Prasad

Correspondent, CIT Institutions, Coimbatore

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Mr. S.Rajiv Rangasami
Director, CIT Institutions
Coimbatore

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Project Coordinator, CIT – TLC, Coimbatore

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