



FLIGHT2025

MADRAS INSTITUTE OF TECHNOLOGY DEPARTMENT OF AEROSPACE ENGINEERING ASSOCIATION OF AERONAUTICAL ENGINEERS

ANSYS WORKSHOP

APRIL 5, 10:00 AM – 5:00 PM

DESCRIPTION:

Join us for an immersive hands-on workshop on **ANSYS** as part of our symposium! This session is designed for students, researchers, and professionals eager to enhance their skills in analyzing engineering components with industry-standard tools in the domain of Computational Fluid Dynamics (CFD), and Finite Element Analysis (FEA) using Ansys Workbench mainly covering the ICEM CFD, Ansys CFX, Ansys Fluent, Ansys static structural.

AGENDA AND SCHEDULE:

1. Individual entry only
2. The students must bring their ID card without fail.
3. Student can bring their laptop – Install the software beforehand if possible: ANSYS Student Version (Download from the official ANSYS website) Students must ensure

their laptop meets the minimum specifications for running ANSYS smoothly. (as min. of 8GB RAM)

or else system will be provided for learning during the workshop

4. All the needed stationary stuff throughout the day (05-04-2025) for every students will be provided as part of the workshop

TOPICS COVERED

1. Introduction to CFD and FEA
2. Pre-processing using ICEM CFD (geometry handling and grid generation)
3. Structural & flow Analysis of beams and airfoil Using Static structural and fluent in ANSYS
4. Turbo machinery parts analysis using Ansys CFX

PARTICIPATION CERTIFICATES WILL BE PROVIDED TO ALL PARTICIPANTS and COMPLETE GUIDE TO SOFTWARE AND TUTORIAL VIDEOS WILL BE PROVIDED

REGISTRATION FEES: INR 300/- per head

For any queries, contact:

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