

2022-23

Student Section Advisor : Mr. Bobin Saji George

The chapter office bearers for the year 2022-2023 are as follows

- Pratyush Moni (Chair)
- Sneha Selvan (Vice chair)
- J. Arjun (Secretary)
- Kailas Nath (Technical Head)
- Aswin S.S. (Organising committee Head)
- Ebel Philip Varghese (Treasurer)

ENERGON SERIES – ASME MBCET STUDENT SECTION

As part of Energon Series of talk by ASME MBCET student section, a one-week long workshop on “Application of Computational Fluid Dynamics in fluid Flow Analysis” was conducted from 14-11-2022 to 18-11-2022 for students. As part of workshop a competition was arranged based on flow analysis.

Resource Person: Mr. Vaisakh S Nair, AP , ME

Summary

CFD engineers simplify fluid flow systems and play an important role in gauging the parameters that go into creating feasible products and solutions. Ansys Fluent is the industry-leading fluid simulation software known for its advanced physics modeling capabilities and industry leading accuracy. These problems include static/dynamic, structural analysis, heat transfer, and fluid problems, as well as acoustic and electromagnetic problems.


1. Introduction to Ansys Software
 - Pre Processing to Post Processing
 - Introduction to Modelling
 - Introduction to Meshing
 - Steps involved in Processing
 - Results and Discussion
2. Getting started with engineering problem
 - Problem definition
 - Model construction and preprocessing steps
3. Processing
 - Steps involved in analyzing the problem
 - Understand the Input parameters
4. Post processing

- Result capture and discussions
 - Post processing tools
5. TUTORIAL PROBLEM.


**DEPARTMENT OF
MECHANICAL ENGINEERING**

ENERGON SERIES

**APPLICATION OF
COMPUTATIONAL FLUID DYNAMICS
IN FLUID FLOW ANALYSIS**



NOVEMBER 14 - 18, 2022



ASME
SETTING THE STANDARD
HBCET STUDENT SECTION

