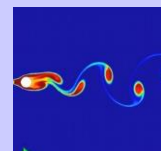




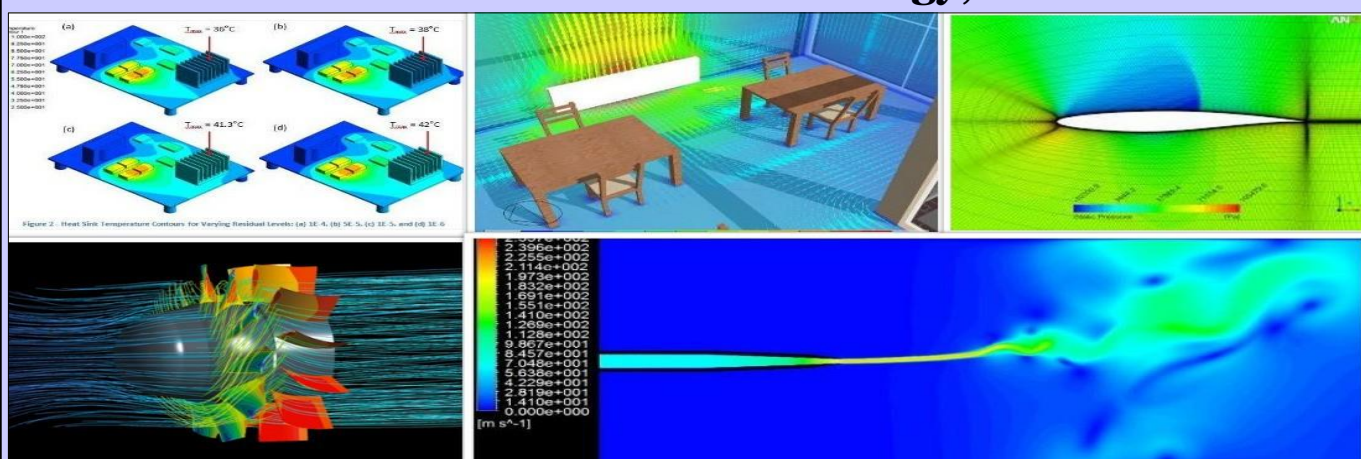
TWO WEEKS CERTIFICATE COURSE ON



FLUID SIMULATIONS USING SOFTWARE (ANSYS WORKBENCH-CFD)

Organized by

Department of Mechanical Engineering,
Don Bosco Institute of Technology, Mumbai



I. Course Objectives:

- Fluid Dynamics – Development of Navier-Stokes Equations & physical meaning of each term
- Heat Transfer (Analytical and Numerical)
- Numerical Solutions for Fluid Dynamics and Heat Transfer Problems
- Development of Self-CFD codes
- Demonstration of variety of Fluid Dynamics and Heat Transfer Problems using
 - Commercial Software (ANSYS WORKBENCH)
- Hands on Practice on Commercial CFD Software (ANSYS WORKBENCH)
 - To introduce the learner to the GUI of ANSYS software
 - To introduce the learner to various modules of ANSYS like Design Modeler, Meshing, ICEM, Fluent & CFX, as a tool for complete solving of CFD Problem
 - To introduce the concept of User Defined Functions and the methods to incorporate those with the software.
 - To solve basic benchmark problems in CFD using ANSYS Fluent software, to inculcate the fundamental understanding of CFD Problem solving.

II. Course Outcomes:

- To Understand the basics of CFD and apply these concepts to solve sample case study problems
- To use industry ready CFD tool – ANSYS Fluent and learn to create geometry, meshing, boundary conditions and solve case study problems from academia and industry

III. Course Details:

1. Course Duration: **Two weeks**

2. Course Dates & timing: Tentatively 15th June 2020 onwards
(Detail schedule will be prepared shortly)

3. Course Fees: **Rs. 5,000/-**

Pay by: **Cash, or Cheque (Payment Details will be provided at the time of registration)**
****Payment can be done on the day of Registration (Preferable), or on the first day of the course. However kindly note that since the number of entries are limited, the admission will be granted on 'First come First serve' basis, subject to early payment of Fees.***

4. Registration Details:

Kindly contact the faculty in-charge for registration.

Last date: 10th of June, 2020, 2:30pm

*Meet the Faculty In-charges personally or message Name and mobile number to them.

5. Course In-charge:

- ***Dr. N. M. Rao*** – CFD Expert, Over 10 years of Industry Experience in the field of CFD, Heat Transfer, Piping Engineering, Guided many PhD Students and several publications in reputed Journals and International Conference Proceedings

Contact details – phone – 022-25040508 Ext. - 234,

Email – muralidhara.dbit@dbit.in

- ***Mr. Shreeprasad Manohar*** – CFD Professional, 4 years of Academic Experience in the field of CFD, FEA, worked on several consultancy problems and case study problems

Contact details – phone – 022-25040508 Ext. - 262,

Mobile - +91-9769298234, email – shreeprasad.dbit@dbit.in