

Session Plan

One Week Online Short Term Course
On

**“Fundamentals & Application of CFD in Industrial
Fluid Flow and Heat Transfer”**

October 15–19, 2020

Organizing by: National Institute of Technology Manipur

| Date-Day | Forenoon Session (10 AM-12PM) | | Afternoon Session (2 PM-4PM) |
|------------------------|---|----------------------------------|--|
| 15/10/2020 Thursday | Session 1 Inaugural Session | B R E A K | Session 2 Importance and applications of CFD |
| | | | Dr. Udayraj IIT Bhilai |
| 16/10/2020 Friday | Session 3 Discretization and Solution of Governing Equations | | Session 4 Hands-on session on Fluid Flow and Heat Transfer in Pipe Flow with Geometry and Mesh creation in ICEM |
| | Dr. Udayraj IIT Bhilai | | Dr. Dushyant Singh NIT Manipur |
| 17/10/2020 Saturday | Session 5 Hands-on session on OpenFOAM | | Session 6 Overview of Turbulence Modelling |
| | Dr. Dushyant Singh NIT Manipur | | Dr. Kuldeep Singh University of Nottingham, UK |
| 18/10/2020 Sunday | Session 7 Hands-on session on Turbulent Modelling | | Session 8 Hands-on session on Natural Convection |
| | Dr. Kuldeep Singh University of Nottingham, UK | | Dr. Dushyant Singh NIT Manipur |
| 19/10/2020 Monday | Session 9 Multiphase Modelling | | Session 10 Hands-on session on Multiphase Modelling |
| | Dr. Thiyam Tamphasana Devi NIT Manipur | | Dr. Thiyam Tamphasana Devi NIT Manipur |