Advanced Turbomachinery training on ANSYS CFX

Duration: (2 Days)

Prerequisites: Basic Knowledge in ANSYS DM, AMP and CFX.

Course contents for Day 1: ANSYS BladeModeler and ANSYS Turbogrid

ANSYS BladeModeler is a specialized, easy-to-use tool for the rapid 3-D design of rotating machinery components. In this half day course, training will be provided on ANSYS BladeGen and ANSYS Blade Editor. ANSYS BladeGen is the blade creation and editing tool created especially for fast, efficient, and flexible blade design. Using ANSYS BladeEditor, ANSYS BladeGen geometry can be brought into ANSYS DesignModeler to allow for conventional CAD manipulation.

ANSYS TurboGrid is a highly automated hexahedral mesh generator specifically for turbomachinery applications. In this half day course, users will be guided through the mesh generation process in ANSYS TurboGrid.

These training courses will consist of lectures and "hands-on" practical examples.

Course Topics Include:

- ANSYS BladeModeler Overview
- ANSYS BladeGen and ANSYS BladeEditor
- ANSYS TurboGrid Overview
- TurboGrid: Geometry and Topology
- TurboGrid: Meshing and Analysis
- Hands On Session

Course contents for Day 2: ANSYS CFX for Turbomachinery

The primary goal of this course is to cover the advanced topics on turbomachinery in ANSYS CFX environment. All course material is designed to educate the advanced users on the best practices for effectively calculating broad range of real-world turbomachinery problems from start to finish. Users will have hands-on time to work through the entire simulation process.

Course Topics Include:

- Introduction to ANSYS Turbomachinery Tools
- Basic Equation for Rotating flow
- Modeling Approaches for Turbomachinery
- Post Processing Requirements in Turbomachinery Simulations
- Multiphase and particle tracking simulation for Turbomachinery applications
- Hands On Session

Fee: Rs 18,000/- + Applicable Taxes

For more information / registration contact:
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