ANSYS Mechanical Linear and Nonlinear Dynamics

Length: 2 Days

Prerequisites

- A technical education and background is recommended but an engineering degree is not required.
- Completion of the ANSYS Mechanical Introduction Course.

Overview

ANSYS Mechanical Dynamics is a 2-day training course for engineers wishing to use ANSYS Mechanical to analyze the dynamic response of structures. The course focuses on performing modal, harmonic, flexible dynamic, and random vibration (PSD) analyses.

After completing the course, analysts should be able to analyze, in ANSYS Mechanical, the natural frequencies, mode shapes and mode participation factors of a linear elastic structure, the steady state response of a structure to sinusoidal loads of known frequency, the dynamic response of structures under the action of time-varying loads, and the random vibration of a structure using a power spectral density function (PSD).

Course Description

The training course provides students with the ability to operate ANSYS Mechanical to do dynamic analyses and how to interpret the results.

Course Topics Include:

- Introduction to Dynamics
- Modal Analysis
- Harmonic Analysis
- Flexible Dynamic Analysis
- Random Vibration (PSD) Analysis

Each course chapter is followed by "hands-on" workshops and exercises.

Fee: Rs 18,000/- + Applicable Taxes

For more information / registration contact:
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