



CAD-IT CONSULTANTS (ASIA) PTE LTD TRAINING COURSES

COURSE NAME : ANSYS Workbench Mechanical – Structural Nonlinearities
DURATION : 2 x 8hrs sessions

* Creditable for QUT Master program and Continuing Development (CPD) courses offered by the Professional Engineers Board (PEB) Singapore.

OBJECTIVES

This training course covers basic procedures for performing structural nonlinear analyses using Workbench *Mechanical*. It is intended for users already familiar with the procedures for performing a linear static analysis in Workbench *Mechanical* environment.

WHO SHOULD ATTEND

This training course is recommended for engineers who wish to analyze structural nonlinear phenomena such as large deflection, plasticity or contact.

PRE-REQUISITES

Engineering knowledge is required. Familiarity with computer (PC or workstation) and knowledge of finite element theory is useful. Participants must have completed the three-day ANSYS Workbench Mechanical – Introduction training course.

COURSE SYLLABUS

- Nonlinear Overview
- General Nonlinear Procedures
- Basic Contact
- Advanced Contact
- Metal Plasticity
- Hyperelasticity
- Nonlinear Diagnostics

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

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