CAD-IT CONSULTANTS (ASIA) PTE LTD
TRAINING COURSES

COURSE NAME : Gambit to ANSYS DesignModeler and ANSYS Meshing Transition
DURATION : 1 x 8hrs sessions

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

OBJECTIVES

This one-day course is designed for existing GAMBIT software users who would like to learn about the benefits and capabilities of creating their geometries and meshes in the ANSYS Workbench environment using ANSYS DesignModeler and ANSYS Meshing. The course will highlight the advantages and capabilities of ANSYS DesignModeler and ANSYS Meshing through lectures and relevant tutorials. Users who attend this one-day training will be given a 30-day evaluation license to use the ANSYS DesignModeler product and ANSYS Meshing to ensure that these programs will adequately meet their needs before migrating away from GAMBIT.

WHO SHOULD ATTEND

This training course is intended for existing users of Gambit who wish to migrate to the ANSYS Workbench platform for the purpose of creating geometries and generating meshes.

PRE-REQUISITES

Engineering knowledge is required. Familiarity with computer (PC or workstation) and knowledge of finite element theory is useful.

COURSE SYLLABUS

DesignModeler

- ANSYS Workbench Overview
- Introduction to DesignModeler
- Planes and Bodies
- CAD Geometry
- Sketching
- Modeling
- Negative Fluid Geometry
- Parameterization

ANSYS Meshing

- Introduction to ANSYS Meshing
- Interface/ Contact Modeling
- Meshing Methods
- Common Mesh Controls
- Tetrahedral Meshing
- Sweep Meshing
- Multizone Meshing
- Meshing 2D Geometries
- Mesh Quality

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

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