

Digital ENGINEERING



Ansys Mechanical Basic Training

- ▶ Customizable modules
- ▶ Flexible schedule
- ▶ HRD Corp Accredited Trainers
- ▶ Location of your choice
(CYBERNET MALAYSIA training room or on-site training at your company)



Program Overview

An introduction course to Ansys® Mechanical™ software user interface and its features to perform Finite Element Analysis (FEA). By completing this course, participants will gain a general knowledge for preparing geometry files, setting up boundary conditions, solving and post-processing the simulation results.

The training contents overleaf can be customized according to your needs.



Inquiries:

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Training Schedule

Day 1

09:00 – 11:00	Module 1: Introduction to Ansys Workbench and Mechanical Key Topics: <ul style="list-style-type: none"> • Ansys Workbench overview • Ansys Mechanical user interface • Engineering data material library • Assigning material properties • Basic workflow for structural analysis
11:00 – 12:00	Module 2: Pre-processing setup Key Topics: <ul style="list-style-type: none"> • Linear static structural analysis basics • Analysis settings • Load and supports
12:00 – 13:00	Lunch
13:00 – 15:00	Module 2: Pre-processing setup (contd.) Key Topics: <ul style="list-style-type: none"> • Object generator • Named selections • Linear structural analysis • Beam connections
15:00 – 17:00	Module 3: Post-processing results Key Topics: <ul style="list-style-type: none"> • Section planes, probe tool and scoping results • Convergence study • Stress singularities • Mesh evaluation • Parameter workspace

Day 2

09:00 – 11:00	Module 4: Modal analysis Key Topics: <ul style="list-style-type: none"> • Theory and assumptions • Analysis settings and solution • Pre-stressed modal analysis • Modal analysis workflow
11:00 – 12:00	Module 5: Meshing control Key Topics: <ul style="list-style-type: none"> • Meshing workflow • Local mesh • Geometry correction • Mesh metrics display
12:00 – 13:00	Lunch
13:00 – 15:00	Module 5: Meshing control (contd.) Key Topics: <ul style="list-style-type: none"> • Assembly meshing • Mesh control • Mesh quality criteria
15:00 – 17:00	Module 6: Connections and Remote Boundary Conditions Key Topics: <ul style="list-style-type: none"> • Contact settings • Spring and beam connections • Remote boundary conditions setup

Trainer Profile



Albert Wong

Application Engineer (HRD Corp Accredited Trainer)
CYBERNET SYSTEMS MALAYSIA SDN.BHD.

Albert has a Master's Degree in Mechanical Engineering from the University of Nottingham Malaysia (UNM). He has over 4 years of working experience as an application engineer in the CAE simulation field. His main areas of technical expertise are mechanical structural analysis and Computational Fluid Dynamics (CFD) simulation. Albert's prior work experiences include building ventilation simulation, transient airflow simulation and aeroacoustics analysis in the air-conditioning (HVAC) industry. He has experience in providing basic and advanced training for Ansys software such as Ansys Mechanical and Ansys Fluent®.

Why learn with CYBERNET?



A leading CAE company headquartered in Tokyo Japan. Providing CAE solutions and services to their customers in Japan and overseas since 1985.



CYBERNET MALAYSIA is a Channel Partner of Ansys in the ASEAN region.



In-house application engineers with multi-industry experience.

Registration Form

Course title	Ansys Mechanical Basic Training
Date(s)	
Time	
Venue	
Course fee	
Closing date	

Organization	
Address	
Contact person	
Designation	
Mobile	
Work telephone	
Email	

Participant(s)	
Name	
Designation	
Email	
Course title	

Participant(s)	
Name	
Designation	
Email	
Course title	

Participant(s)	
Name	
Designation	
Email	
Course title	

Payment Method

Please remit payments to

Bank	Mizuho Bank (Malaysia) Berhad
Bank address	Level 27, Menara Maxis, Kuala Lumpur City Centre, 50088 Kuala Lumpur, Malaysia
Beneficiary	CYBERNET SYSTEMS MALAYSIA SDN. BHD.
Account Number	888 0055 764 (Currency: MYR)

Terms & Conditions:

- 1) This workshop is HRD Corp claimable.
- 2) Please contact us 1 week prior to the course date, in the event there is an increase in the number of participants.
- 3) Additional participants will be charged accordingly.
- 4) Cancellation within less than 7 business days prior to the course date, is subject to a service charge equals to 50% of the course fee.
- 5) There is no change in the course fee if the number of participants are less than 2 persons.

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