

Schedule

Date	Time	Contents (6 Hrs each Day)	Venue
12th March 2023	8.30 am to 3.30 pm	<ul style="list-style-type: none"> ➤ Overview of Mechanical <ul style="list-style-type: none"> ○ Static Stress Analysis of a Fluid Connector ➤ General Overview of FEA <ul style="list-style-type: none"> ○ Element Types and Physical Behavior ○ Mesh Controls on a Casting ➤ Material Properties <ul style="list-style-type: none"> ○ Assigning Material Properties to Parts in a PWB Assembly 	005
13th March 2023	8.30 am to 3.30 pm	<ul style="list-style-type: none"> ➤ Loads and Boundary Conditions for Structural Analysis <ul style="list-style-type: none"> ○ Stress Analysis of a Pump Fluid End With Multiple Load Conditions ➤ Solution Options to Static Structural Analysis <ul style="list-style-type: none"> ○ Stress Analysis of a Pump Fluid End Using Direct and Iterative Solvers ➤ Evaluation of Analysis Results <ul style="list-style-type: none"> ○ Stress Analysis of a Flanged Tube and Check of Results ○ Post processing Options, Introduction to Scoping and Convergence 	005
15th March 2023	8.30 am to 3.30 pm	<ul style="list-style-type: none"> ➤ Evaluation of Local Stresses <ul style="list-style-type: none"> ○ Stress Analysis of a Mechanical Link Using Scoping and Convergence ➤ Modal Analysis <ul style="list-style-type: none"> ○ Modal Analysis of an Alternator Bracket with and without Prestress ➤ Modeling Assemblies with Contacts <ul style="list-style-type: none"> ○ Stress Analysis of a Platform Assembly 	005
16th March 2023	8.30 am to 3.30 pm	<ul style="list-style-type: none"> ➤ Modeling Assemblies with Joints <ul style="list-style-type: none"> ○ Modeling Joints in a Backhoe Lift Bucket Assembly ○ Modeling Joints in a Backhoe Assembly with a Single Hydraulic Cylinder ➤ Rigid Body Motion in Static Solutions <ul style="list-style-type: none"> ○ Stress Analysis of a Pipe and Plate Assembly with Rigid Body Motion 	005
17th March 2023	8.30 am to 3.30 pm	<ul style="list-style-type: none"> ➤ Interaction with CAD <ul style="list-style-type: none"> ○ CAD Parameter Associatively of a Piston ➤ Thermal-Stress Analysis of a Heat Exchanger ➤ Valedictory Ceremony 	005



(Signature)
Principal

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