



# CATIA V5 Digital Mock Up Expert

2 Days Course



**Objective:** The students will be able to understand the capabilities and the General Process followed in DMU Kinematics workbench, define mechanism using an existing assembly, give the motion commands to the mechanism and impart movement to the various components of your mechanism, perform various analyses when the mechanism is getting simulated, sequence multiple mechanisms and run them in proper time intervals.

**SPA:** perform measurements in the context of a digital mock-up, create sectional views to see the inner details of complex assemblies, perform interference checks to identify clashes and contacts, and to verify component clearances, compare different versions of the components to identify and highlight changes.

**FIT:** understand the general process of fitting simulation to study assembly/ disassembly operations, define shuttles and groups, create tracks to move components or a group of components, define the order in which the tracks and actions will take place, find the time duration for each track and action, perform clash analysis during sequence and tracks simulation.

| <b>Price per Student</b>     |   | <b>\$ 1,200.00</b> |
|------------------------------|---|--------------------|
| <b>Duration:</b> 2 Days      |   |                    |
| <b>TOPIC</b>                 | <b>DETAILS</b>  |                    |
| <b>Kinematics Simulation</b> | DMU Kinematics Overview<br>Defining a Mechanism<br>Converting Assembly Constraints into Joints<br>Simulating Mechanisms with commands or Laws<br>Analyzing Movements<br>Recording and Playing Simulations |                    |
| <b>Space Analysis</b>        | Introduction to DMU Space Analysis<br>Space Analysis Measuring<br>Sectioning<br>Analyzing Interferences<br>Comparing Products<br>Refinement   |                    |
| <b>Fitting Simulation</b>    | Introduction to Fitting Simulation<br>Defining Shuttle<br>Defining Tracks<br>Creating Sequences<br>Performing Clash Analysis<br>Swept Volume Analysis   |                    |



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