

SOLIDWORKS SIMULATION TRAINING COURSE

SOLIDWORKS SIMULATION TRAINING INCLUDES:

5 DAY TRAINING COURSE

SIMULATION (DAY 1-3)

- ✚ The analysis processes
- ✚ Mesh Controls, Stress Concentrations and Boundary Conditions
- ✚ Assembly Analysis with contacts
- ✚ Symmetrical and Free Self-Equilibrating Assemblies
- ✚ Assembly Analysis with connectors and Mesh Refinement
- ✚ Compatible/Incompatible Meshes
- ✚ Analysis of Thin Components
- ✚ Mixed Meshing Shells & Solids
- ✚ Beam Elements – Analysis of a Conveyor Frame
- ✚ Mixed Meshing Solids, Beams & Shells
- ✚ Design Study
- ✚ Thermal Stress Analysis
- ✚ Adaptive Meshing
- ✚ Large Displacement Analysis

MOTION (DAY 3-4)

- ✚ Introduction to Motion Simulation and Forces
- ✚ Building a Motion Model and Post-processing
- ✚ Introduction to Contacts, Springs and Dampers
- ✚ Advanced Contact
- ✚ Curve to Curve Contact
- ✚ CAM Synthesis
- ✚ Motion Optimization
- ✚ Flexible Joints
- ✚ Redundancies
- ✚ Export FEA
- ✚ Event Based Simulation
- ✚ Design Project (Optional)
- ✚ Motion Study Convergence Solutions and Advanced Options
- ✚ Mate Friction