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## Training Course Details

**Title:** I-DEAS Analysis: Pre and Post-Processing

**Course Objectives:** I-deas Analysis: Pre- and Post-processing introduces the beginning tools and techniques for creating finite element models and analyzing results. The traditional approach for validating a design is to build a prototype and test it. If the test reveals problems with the design, the design must be changed, and a new prototype has to be developed and tested. An alternative approach is to use finite element analysis (FEA). FEA simulates how your product will perform in a virtual environment, reduces product cost and development time by reducing prototypes, and optimizes the design.

**Who Should Attend?** Users of I-deas who intend to use I-deas Model Solution for solving finite element models.

<b>Agenda overview:</b>	Introducing analysis: pre and post-processing Geometry-based boundary conditions and other boundary condition techniques Free meshing Element quality checks Display and grouping techniques Geometry-based connections Assembly, section, and mapped meshing	<b>Duration:</b>	3 days
		<b>Software Version</b>	I-DEAS NX 6
		<b>Prerequisites:</b>	I-DEAS Part Design course
		<b>Deliverables:</b>	Student guide Activity material Course certificate
		<b>Optional activities:</b>	I-DEAS Assembly Design I-DEAS Linear Solvers