

## CATIA Part Design Expert

<b>Brand</b>	CATIA
<b>Discipline</b>	CATIA Mechanical Design V5
<b>Release</b>	V5R21
<b>Duration</b>	12 hours – 2 Days
<b>Level</b>	Advanced
<b>Objectives</b>	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"> <li>- Create a part using 3D reference elements</li> <li>- Create advanced Sketch-Based Features</li> <li>- Apply advanced Dress-Up Features</li> <li>- Design 3D parts using Boolean operations</li> <li>- Work in a Multi-Model Environment and share your designs with others</li> <li>- Analyze parts and optimize them</li> <li>- Annotate the parts for review</li> </ul>
<b>Participants profile</b>	CATIA V5 Mechanical Designers
<b>Prerequisites</b>	Students attending this course should have attended the CATIA V5 Fundamentals, Getting started with CATIA V5, CATIA Sketcher, and Part Design Fundamentals courses
<b>Description</b>	This course will teach you how to design complex 3D mechanical parts using the Boolean approach. You will learn how to work in a Multi-Model Environment and maintain links between your 3D models. You will also learn how to analyze your designs in order to optimize them.

**See Next Page for Additional Exercises**

## CATIA Part Design Added Exercises

<b>Brand</b>	CATIA
<b>Discipline</b>	CATIA Mechanical Design V5
<b>Release</b>	V5R21
<b>Duration</b>	12 hours – 2 Days
<b>Level</b>	Exercise
<b>Objectives</b>	<p>Upon completion of these exercises you will have:</p> <ul style="list-style-type: none"> <li>- Refreshed your basic Part Design skills</li> <li>- Learned the recommended design methodologies to design parts</li> </ul>
<b>Participants profile</b>	Mechanical Design Users
<b>Prerequisites</b>	Students attending this course should have attended the CATIA Part Design courses and the CATIA Knowledgeware courses
<b>Description</b>	<p>This course provides you with an exercise database for additional practice on CATIA Part Design. The exercises have been arranged in increasing order of difficulty. The fundamental exercises will check and refresh your basic Part Design skills before you move on to more complex topics. The advanced exercises will make you practice recommended design methodologies using realistic parts.</p>