Training at PDSVISION

Training is one of the best investments a company can make; it is not a huge expense, it creates a better quality of work, it creates efficiency and it is fun! PDSVISION is proud to be a Certified Platinum Training Provider of PTC courses.

Whether you are a first-time or an experienced user we offer suitable training for your needs. Greater knowledge contributes to increased efficiency and higher quality of work.

Advanced Assembly using Creo Parametric

Course Length: **3 Days**

Days Prerequisites: Introduction to Creo Parametric

Audience: Users working with complex assemblies that want and need to work more efficiently

Course Description:

In this course, you will learn how to use Creo Parametric to create and manage complex assemblies. You will learn how to use advanced assembly tools that enable you to add and maintain design, increase your efficiency, and increase system performance when working with large assemblies. In addition, you will learn the basics of using and creating predefined assembly structures and skeletons, both valuable tools typically used in a top-down design process. The course also includes an assembly design project that enables you to practice your new skills by performing various design tasks in an assembly model.

Course Content:

The course is divided into 12 modules covering the most common features and functions of advanced assembly design. Each day a certain amount of modules are presented and exercises based on information in the modules are performed. Some extra exercises covering useful aspects of advanced assembly are added in the end of the course. The last module is a design project where the acquired knowledge regarding advanced assembly design is used.

Day 1

- Module 1 – Using Advanced Assembly Constraints
- Module 2 - Creating and Using Component Interfaces
- Module 3 - Creating and Using Flexible Components
- Module 4 – Restructuring and Mirroring Assemblies
- Module 5 – Using Assembly Features and Shrinkwrap

Day 2

- Module 6 - Replacing Components in an Assembly
- Module 7 - Understanding the Basics of Simplified Reps
- Module 8 - Cross-Sections, Display Styles, Layer States, and Combined Views
- Module 9 - Substituting Components using User Defined, Envelopes, Simp Reps
- Module 10 - Understanding Advanced Simplified Rep Functionality

Day 3

- Module 11 - Creating and Using Assembly Structure and Skeletons
- Exercise 1 - Assigning and Calculating Mass in Assemblies
- Exercise 2 - Using Default Envelope Simplified Representations
- Exercise 3 - Using the Reference Viewer in an Assembly
- Exercise 4 - Large Drawing Management
- Module 12 - Design Project