Creo: Assembling with Kinematic Connections

Find a class

Course type

Class with hands-on practice

Duration

3 Hours

Product

Creo Parametric 12.4

Delivery method

Instructor-led

Guidebook languages

English

Deutsch

Course overview

This course teaches users how to create assemblies that accurately represent real-world mechanical motion using Creo Parametric's Mechanism Design capabilities. Learners explore the principles of mechanism design, degrees of freedom, motion constraints, and kinematic relationships while creating assemblies that move and behave as intended. Through hands-on exercises, participants learn how to define mechanism connections, validate motion using drag and snapshot tools, configure connection limits, and simulate common mechanical systems such as linkages, gears, cams, and belt-driven mechanisms.

Prerequisites

Creo: Fundamentals of Solid Modeling 2

Creo: Fundamentals of Assembly

Audience

Design Engineer

Learning objectives

Review the mechanism design process framework

Explain the mechanism design basic theory

Apply various mechanism connections

Verify the connections by dragging components

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