

Course Name : *Synchronous Modeling Fundamentals*

Course Duration : 8 Hrs.

Course Overview

- **Intended audience**
 - This course is for users who are already familiar with NX, but want to learn how to start using the Synchronous Modeling design tools. Synchronous technology unites parametric and history-free modeling regardless of the origins or associativity. This course provides hands-on activities and practice projects that focus on history-free and parametric constraint-driven techniques to accelerate the design process used to create new parts, and to edit existing parts
- **Prerequisites**
 - Education: Diploma completed or Degree 2nd year completed in any one of following Streams.
 - Aeronautical, Automobile, Civil, Industrial, Marine, Mechanical, Mechatronics, Metallurgy, Production and Manufacturing Engineering.
 - Software:
 - Essentials for NX Designers, or
 - Feature Modeling - Fundamentals self-paced courses in Learning Advantage.
 - Prerequisite concepts: Design in NX and sketching in NX
- **Course objectives**
 - After you complete this course, you should be able to:
 - Pull, move, and replace faces
 - Resize and replace blends
 - Resize and label chamfers
 - Delete faces
 - Cut, copy, paste, and pattern faces
 - Create linear, angular, and radial dimensions
 - Shell faces
 - Edit a cross section
- **Course Contents**
 - Synchronous Modeling
 - Modify Face
 - Detail Feature, Delete Face
 - Reuse commands
 - Synchronous Modeling relationships
 - Dimension commands
 - Adaptive Shell
 - Edit Cross Section and Edit Section
 - Optimize Face