

NX Open Programming

Module 1: NX OPEN CONCEPT

- 1.Sessions and Parts
- 2.Objects and Tags
- 3.Factory Objects
- 4.Object Collections
- 5.The Builder Pattern
- 6.Exploring NX Open by Journaling

Module 2: POINTS, VECTORS & MATRIX

- 1.Point3d Objects
- 2.Vector3d Objects
- 3.Smart Points
- 4.3×3 Matrix
- 5.NX Matrix
- 6.Coordinate Systems

Module 3: CURVES

- 1.Lines
- 2.Associative Line Features
- 3.Arcs and Circles
- 4.Associative Arc Features

Module 4: SIMPLE SOLIDS & SHEETS

- 1.Creating Primitive Solids
- 2.Cone
- 3.Cylinder
- 4.Sphere
- 5.Extrude Bodies

Module 5: OBJECT PROPERTIES

- 1.NXObject Properties
- 2.Curve and Edge Properties
- 3.Face Properties

Module 6: UNITS & EXPRESSIONS

- 1.Units
- 2.Expressions
- 3.Creating Expressions

Module 7: DRAWINGS & ANNOTATIONS

- 1.Drawings
- 2.Sheets & Sheet Properties
- 3.Views & View Properties
- 4.Base view, Projected Views
- 5.Dimensions (Linear, Radial, Angular)
- 6.Notes

Module 8: OBJECT SELECTION & FILTERS

- 1.Selection Dialogs
- 2.Face Selection
- 2.Curve and Edge selection
- 4.Selection by Database Cycling

Module 9: TROUBLESHOOTING

- 1.Using the NX Log File
- 2.Invalid Attempt to Load Library
- 3.Is not a member of NX Open