

Student Internship Program on Computer Aided Design

Batch size: 24 members

Duration: 1 Month

This program undergo training on CAD (Computer Aided Design) using Uni-Graphis Software. In which student will learn different modules like Basic Design using NX, Synchronous modeling and Sheet Metal, Intermediate NX design and Drafting essentials. On completion of this course, participant will become expert in the CAD domain and also will improve the opportunities to get Job w.r.t. CAD domain.

Week 1

Introduction to CAD, drawing basics, Angle of Projections, Isometric to orthographic Projections, NX Interface, Coordinate systems, sketching, sketch constraints, Sweeping geometry- Extrude, Revolve and Sweep along guide, Editing and manipulating sketches, Creating geometry relationships, Creating different types on holes, Assembly load options, Different assembly approaches and assembly constraints.

Week 2

Introduction of Synchronous Modeling, Modify Face, Modify Face & Detail Feature, Delete feature, Reuse Commands, Synchronous Modeling relationships, Dimension commands, Adaptive shell.
Introduction of Sheet Metal, Constructing base features, Sheet metal deform features, Flat solid and Flat pattern, Corner types, Conversion of sheet metal to solid, Unbend and Rebend Commands.

Week 3

Applying advanced techniques to sketched parts, capturing design intent with formulas, Controlling the display of parts in an assembly, simplifying geometry for downstream applications, Controlling moving part positions in an assembly.

Week4

Part Navigator, Master model Drawings & Drafting Standards, Drawing Sheets, Drawing views, Move, Copy & Align views, Hiding Geometry in Drafting Views, Update Drawings in Drafting Views, Centerline symbols, Dimensions, Notes and Labels, Balloon Symbols, GD&T Symbols.