



CERTIFICATION IN NX-CAD

Master's in NX-CAD skills & and take your career to the next level!



WHO CAN JOIN THE COURSE?

- Mechanical engineers, product designers, and CAD specialists can pursue NX-CAD certification to validate their skills and advance their careers.
- Mechanical Engineers: NX CAD is a primary tool for mechanical engineers to design parts, assemblies, and create detailed 2D manufacturing drawings.

GIMPLES OF OUR SUCCESSFUL TRANSITIONS





Duration- 8 Weeks

PROGRAM CURRICULUM-I

Introduction to CAD, CAE, PDM

Features of UG-NX,

Various products available in UG-NX for Product Design, Simulation, Communication

NX-CAD User Interface - Feature manager design tree, Callouts, Handles, Confirmation corner, mouse buttons, keyboard shortcuts, Command Manager, Hardware and Software requirements, UG-NX Task Scheduler.

Sketch Entities - Inference line, Centreline, Line, Circle, Arc, Ellipse, Rectangle, Slots, Polygon, Parabola, Ellipse, Partial Ellipse, Spline, Spline tools, Spline on surface, Equation driven curve, Points, Text, Construction geometry, Snap, grid,

Sketch Tools - Fillet, Chamfer, Offset, convert entities, Trim, Extend, Split, Jog, Mirror, Dynamic Mirror, Move, Copy, Rotate, Scale, Stretch, Sketch pattern Make path, Close Sketch to Model, Sketch picture, Check Sketch for Feature, Area hatch/Fill

Blocks - Make block, edit block, insert block, Add/Remove Entities, Rebuild, Save, Explode

Relations - Adding Sketch Relation, Automatic relations, Dimensioning - Smart, Horizontal, Vertical, Ordinate, Horizontal ordinate, Vertical ordinate, Align ordinate, Fully define sketch. Sketch Diagnosis, SketchXpert, 3D Sketching, Rapid Sketch

Part Modeling Tools Creating reference planes Creating Extrude features - Direction1, Direction2, From option, Thin feature, Applying draft



Duration- 8 Weeks

PROGRAM CURRICULUM-II

Creating Revolve features - Selecting Axis, Thin features, Selecting contours Creating Swept features-Selecting, Profile and Path, Orientation/twist type, Path Alignment, Guide Curves, Start/End tangency, Thin feature

Creating Loft features - Selecting Profiles, Guide curves, Start/End Constraints, Centerline parameters, Sketch tools, Close loft.

Selecting geometries - Selection Manager, Multiple Body concepts

Creating Reference - points, axis, coordinates

Creating curves - Split curve, Project curve, Composite curve, Curve through points, Helix and Spiral Creating Fillet features Inserting Hole types Creating Chamfer Creating Shell Creating Rib

Creating Pattern - Linear pattern, Circular pattern, Sketch driven pattern, Curve driven pattern, Table driven pattern, Fill pattern, mirror Advanced Modeling Tools- Dome, Free form, Shape feature, Deform, indent, Flex

Inserting Fastening features- Mounting boss, snap hook, Snap hook groove, Vent

Environment & Utilities - Working with views and manipulating views, Trouble shooting Inserting Library feature, Adding Configuration, Inserting Design table, System options, Measuring Geometries, Calculating Mass Properties, Feature Statistics, Working With Equations

Assembly Modeling Tools- Introduction to Assembly Modeling & Approaches - Top down and Bottom up approach Applying Standard Mates- Coincident, Parallel, Perpendicular, Tangent, Concentric, Lock





Duration- 8 Weeks

PROGRAM CURRICULUM-III

Manipulating Components - Replacing Components, Rotating Components, Move Components, Collision Detection, Physical Dynamics, Dynamic Clearance, Detecting Interference

Creating Pattern - Assembly Pattern, Mirror Creating Explode Views

Top Down Design - Layout Sketch, Work Part In the Context of an assembly. Smart Components, Smart Fasteners, Physical Simulation

Surface Modeling tools

Creating Extrude, Revolve, Swept, loft, Boundary surface.

Inserting Planar Surface, Offset Surface, Radiate Surface. Extending a surface, Surface fill, Ruled Surface, Trimming Surface, Mid surface, Replace Face, Delete face, Untrim surface, Knit surface, Thickening a Surface, Move Face

Generating Drawing Views

Introduction To Angle Of Projection

Generating Views - Generating Model View, Projected Views, Inserting Standard 3 View View creation relative to model, Inserting predefined views, empty views, Auxiliary Views, Detailed Views, Crop view, Broken – Out Section, Broken Views, Section View, Aligned Section View, Alternate Position View, Working assembly specific view, Drawing properties, Manipulating views





Duration- 8 Weeks

PROGRAM CURRICULUM-IV

Creating Dimensions - Smart, Horizontal, Vertical, Baseline, Ordinate, Horizontal Ordinate, Vertical Ordinate, Chamfer, Attach Dimensions, Align Collinear/Radial, Align Parallel/Concentric, Model Dimensions, Auto dimension, DimXpert, Annotations, Spell check

Inserting Annotations - Datum Features, Geometric Tolerance, Surface Finish, Jog Leaders, Hole Callout, Datum Target, Dowel Pins, Area Hatch, Cosmetic Thread, Balloon, Centre Mark, Centre Lines, Layers, Working With Tables, Bill Of Materials, Hole Table, Sheets And Templates, Sheet Format.

Sheet Metal Design Concepts in Sheet metal design bend allowance bend deduction, K-factor Inserting Base Flange, Sheet Metal Tab, Edge Flange, Miter Flange, Hem, Jog. Creating Break Corner/Corner Trim, Closed Corners, Rip. Inserting Sketched Bend, Fold/Unfold, Forming Tools. Inserting Cross Break, Welded Corner. Adding Corner Trim, Lofted bend Conversion Of Solid Body To Sheet Metal. Working with import data - Importing In UG-NX, Editing Imported Features, Feature Recognition, 2d To 3d Conversion



ZENUS CAREER SERVICES



Career-oriented Session

Attend 10+ career-oriented session by industry mentors and prepare your career trajectory



Profile Building

NX-CAD resume and LinkedIn profile to make an impression on top employers



Dedicated Job Portal Access

Get exclusive access to 20+* job posting per month on Zenus's job portal



Mock Interview Preparation

prepare with mock interviews including most asked question by top employers



1:1 Mentoring Session

Get 1:1 guidance at every step in your career transition to NX-CAD



Placement Assistance

Placement opportunities are provided once the learner is moved to the placement pool upon clearing Placement Readiness Test(PRT)**

NO. 1 AWARD WINNING TRAINING COMPANY



Awarded By Ex-Indian Cricketer
Chetan Sharma Sir



Awarded By Ex-Indian Cricketer
Sandip Patil Sir



8218088730

www.zenusinfotech.in

S-11, Avas Vikas, Roorkee

VISIT US



Zenus Infotech India Pvt. Ltd.



S-11, Gate-1, Avas Vikas , Opposit BSNL Telephone Exchange, Roorkee



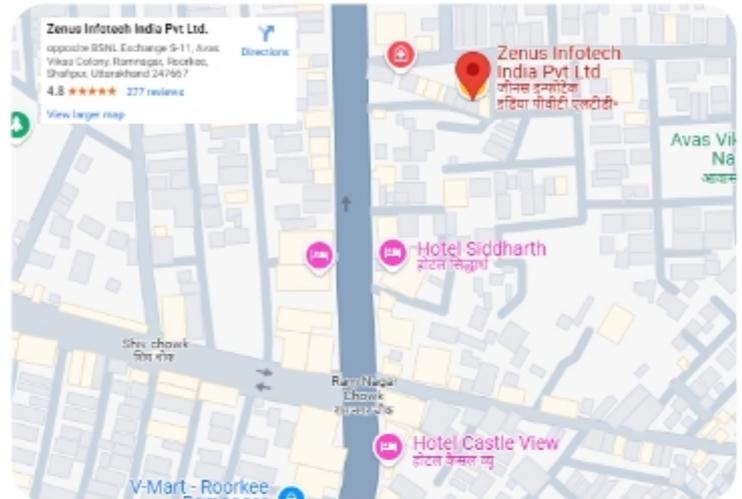
+91- 8218088730



info@zenusinfotech.in



www.zenusinfotech.in



STUDENT TESTIMONIALS

Shivant Tyagi

★★★★★



Our experience with ZENUS INFOTECH has been very good. its the best company in india for industrial training and placements.

Abdul Raouf

★★★★★



Good teches.And Good teacher .Zenus teacher is helping person that solve the asking question .Zenus is a wonderful platform

Piyush Kumar

★★★★★



I feel my self with a great weight of knowledge after doing training from Zenus Infotech

Prabhat Saini

★★★★★



Extremely nice atmosphere to learn softwares and knowledgeable and helpful faculty with great experience.

Sumit Pant

★★★★★



Highly skilled staffs well as good place to work ..the faculties are very good teachers

Ishant Chauhan

★★★★★



Highly experienced and project oriented training received with full support from the trainer. Thanks Zenus Infotech

