

# CAREER EDGE

Bridging Skill Gaps!

## Student's Enquiry Form

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Date of Birth: \_\_\_\_\_

Mob No.: \_\_\_\_\_

Email Id: \_\_\_\_\_

Academic Qualification: \_\_\_\_\_

Tech. Qualification: \_\_\_\_\_

Course Opted for: \_\_\_\_\_

Joining Date: \_\_\_\_\_

(Reference/ Advertisement/ Others): \_\_\_\_\_

Date: .....

Signature: \_\_\_\_\_

### AutoCAD 2D :

64 Hrs

- ✓ Introduction to CAD Environment.
- ✓ Orthographic Drawings
- ✓ View Management, Display Management, Layer Management.
- ✓ Editing and modifying drawing entities.
- ✓ Formatting the drawings.
- ✓ Object grouping and methods selection.
- ✓ Blocks.
- ✓ Annotations & Dimensions.
- ✓ Isometric Drawing.
- ✓ Perspective Drawings.
- ✓ Other drawing Utilities.
- ✓ Live project

### Catia :

80 Hrs

- ✓ Introduction
- ✓ Creating & Editing Sketches
- ✓ Creating Sketch Based Features
- ✓ Creating Transformation Features
- ✓ Creating Advanced Replication tools
- ✓ Editing Parts in Assembly
- ✓ Creating Surface Features
- ✓ Generative Sheet Metal Design
- ✓ Drawing view Generation
- ✓ Bill of Materials, Balloons
- ✓ Finalizing the Drawing & Printing
- ✓ Dress up on 2D views
- ✓ Real Time Rendering
- ✓ GD&T

### Solidworks:

80 Hrs

- ✓ Introduction
- ✓ Sketcher Basics, 3D Sketching, part Modeling.
- ✓ Creating Reference Geometries, Editing Features.
- ✓ Advanced Modeling Tools, Configuration.
- ✓ Design Table/library Features.
- ✓ Import/ export of files.
- ✓ Bottom up Assembly, Top Down Assembly,
- ✓ Exploding Assemblies.
- ✓ Simulation & Detailing.
- ✓ BOM, Balloon tools.
- ✓ Sheet Metal.
- ✓ PDM Works , Weldment.
- ✓ GD&T

# CAREER EDGE

Bridging Skill Gaps!

*Offers*

*Advanced CAD Courses*

Centre Add:

**B-169,Prakash Nagar,Idgah, Govindgarh Road, Dehradun  
(UK)**

**www.thecareeredge.in**

GARAGE  
24-0 x 24-0

storage

**NX-CAD :****80Hrs**

- ✓ Introduction
- ✓ Sketcher Essentials, Constraining Sketches, Datums
- ✓ Creating Part Features
- ✓ Creating Fundamental Curves, Editing Curves, Editing Freeform features
- ✓ Basic Assembly Concepts
- ✓ Creating Assemblies
- ✓ Positioning assembly Components
- ✓ Assembly Revisions & component Replacements
- ✓ Assembly Sequencing
- ✓ Assemblies- Clearance & Analysis
- ✓ Creating Dimensions, notes & labels
- ✓ Drawings & Views
- ✓ Plotting Drawings
- ✓ GD&T

**NX-CAM :****40Hrs**

- ✓ Introduction
- ✓ The Operation Navigator
- ✓ Manufacturing Operations & Postprocessing
- ✓ Wizards & Shop Documentation
- ✓ Planar Milling, FaceMilling, Cavity milling, Z-level milling
- ✓ Radial Cutting, Surface Area Cutting, Engraving
- ✓ Contour Profiling
- ✓ Common Parametres
- ✓ Rough & Finish Turning
- ✓ Centreline Drilling
- ✓ Groove & Thread Operations
- ✓ Multiple Spindles & IPW
- ✓ GD&T

**NX-NASTRAN:****80Hrs**

- ✓ Finite element analysis
- ✓ NX Nastran overview
- ✓ Geometry abstraction
- ✓ Geometry idealization
- ✓ Specifying materials
- ✓ Meshing the geometry
- ✓ Model checking process
- ✓ Defining boundary conditions
- ✓ Solving the FE model
- ✓ Post-processing the solution
- ✓ Generating reports
- ✓ Import and export of model data
- ✓ Applying contact and gluing conditions
- ✓ Linear static, modal, buckling, response, thermal Analysis
- ✓ nonlinear static analysis
- ✓ Assembly FEM

**✓ Creo :****80 Hrs**

- ✓ Introduction
- ✓ Creating Sketcher Geometry
- ✓ Creating Revolves, Extrudes& Ribs
- ✓ Selecting & Editing
- ✓ Creating Datum Features
- ✓ Utilizing Internal Sketches & Embedded Datums
- ✓ Creating Sweeps & Blends
- ✓ Creating Holes & Shells
- ✓ Creating Round, Chamfers & Drafts
- ✓ Variable Section Sweeps, Helical Sweeps & Swept Blends
- ✓ Group , copy, mirror tools
- ✓ Relation & Parametres
- ✓ Layers, Family Tables & UDF
- ✓ Assembling with Constraints
- ✓ Exploding Assemblies
- ✓ Creating & Editing Surface Features in creo
- ✓ Converting Solid Parts
- ✓ Sheet Metal Drawing with Flat Tates& Bend Order Table
- ✓ GD&T

**ANSYS Workbench:****80 Hrs**

- ✓ Introduction to CAE
- ✓ General Procedure involved in FEA
- ✓ CAD Modeling Using ANSYS Workbench
- ✓ Defining & Assigning Materials
- ✓ Generating the mesh
- ✓ Optimizing the model to refine mesh
- ✓ Working With Different Boundary Conditions
- ✓ Surface & line Models
- ✓ Static Structural Analysis
- ✓ Modal, Buckling, Thermal Analysis
- ✓ Coupled Field (Thermal Stress)
- ✓ Post Processing

