



SKILL PARADISE
LEARN WITHOUT LIMITS

CAD/CAE

Design. Simulate. Innovate

 www.skillparadise.com

 +91 9049787074

 skillparadise1@gmail.com



ABOUT SKILL PARADISE

ABOUT US

Skill Paradise is an online learning platform committed to empowering learners with in-demand technical and professional skills.

Our mission is to bridge the skill gap between education and industry through practical, job-ready training programs.

Whether you're a student, working professional, or career switcher – Skill Paradise helps you upskill, grow, and thrive.

WHY SKILL PARADISE ?

- Certified Trainers
- Flexible Online Classes
- Hands-on Projects
- Resume & Interview Guidance
- Placement Support



CAD /CAE



6 Months 

Flexible 

What You'll Learn:

- 6-Month, Week-by-Week Guided CAD/CAE Learning
- 2D & 3D CAD Modeling (AutoCAD, SolidWorks, CATIA, NX)
- Product Design & Drafting for Manufacturing
- CAE (FEA/CFD) Analysis with ANSYS/Hypermesh
- CAM & CNC Basics for Manufacturing Automation

Course Duration

- 6 Months

Mode

- Online | Live + Recorded Sessions

Level

- Beginner to Intermediate

Eligibility

- Mechanical, Civil, Aerospace, or Design Students/Professionals



SKILL PARADISE
LEARN WITHOUT LIMITS

SAGAR VITNOR
+91 9049787074

CAD /CAE

 6 Months

 Flexible



Detailed Monthly Curriculum: Course Highlights

Month 1: CAD Foundations & 2D Drafting

- Week 1: Introduction to CAD, industry basics, and types of CAD software (AutoCAD overview)
- Week 2: Engineering Drawing fundamentals; coordinate systems; 2D drafting, basic shapes
- Week 3: Editing commands, layers, blocks, templates, and annotation methods
- Week 4: Hands-on: Create, edit, and detail 2D drawings (Mini Project – 2D Layout)

Month 2: 3D Modeling & Surface Design

- Week 1: Introduction to 3D modeling tools (SolidWorks, CATIA, NX)
- Week 2: Sketching, part and assembly modeling, constraints, and parametric design
- Week 3: Surface modeling, wireframe, sheet metal basics
- Week 4: Mini Project – 3D Model Creation & Assembly



CAD /CAE



6 Months 

Flexible 

Month 3: Product Design & Drafting

- Week 1: Advanced assembly modeling, exploded views, assembly constraints
- Week 2: Generative drafting, BOM (Bill of Materials), detailing for manufacturing
- Week 3: Sheet metal component design, flat patterns, and press tool basics
- Week 4: Mini Project – Assembly & Detail Drawing

Month 4: CAE – Analysis with ANSYS/Hypermesh

- Week 1: Introduction to CAE, FEA concepts, basics of ANSYS/Hypermesh
- Week 2: Pre-processing: geometry clean-up, meshing (2D/3D)
- Week 3: Structural and thermal analysis – static, modal, and thermal loading
- Week 4: Mini Project – Run FEA on a sample component



CAD /CAE

 6 Months

 Flexible



Month 5: CAM & CNC Basics

- Week 1: Introduction to Computer-Aided Manufacturing (NX CAM, basics of CNC)
- Week 2: Toolpath generation, milling/turning, machine setup
- Week 3: Post-processing, simulation, and safety
- Week 4: Mini Project – CNC Toolpath and G-code Simulation

Month 6: Integration, Projects & Career Prep

- Week 1: Integrating CAD, CAE, and CAM for product design workflow
- Week 2: Capstone Project: Real-world design-to-manufacture challenge
- Week 3: Resume building, portfolio creation focused on CAD/CAE skills
- Week 4: Mock interviews, presentation of capstone, career guidance



CAD /CAE

6 Months 

Flexible 



What You Get

- Tools: AutoCAD, SolidWorks, ANSYS
- Simulation-based Learning
- Project-Based Modules
- For Engineering Students & Professionals
- Portfolio + Certificate

Free Career Counseling Session

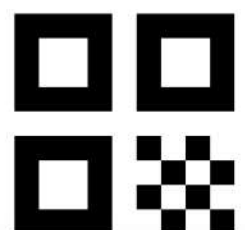
REGISTRATION LINK: skillparadise.com

FOR MORE DETAILS AND ENQUIRIES

SAGAR VITNOR

CAD/CAE

+91 9049787074



 skillparadise1@gmail.com