

Mechanical Skill Konnect – Professional CAD Master Program

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Professional CAD Master Program

“Master Industry-Level Mechanical Design Skills”

What You Will Achieve

- Understand complete design-to-manufacturing workflow
- Create professional 3D models and assemblies
- Interpret real engineering drawings
- Prepare industry-standard BOM & documentation
- Complete a final industry-level design project

Tools & Skills Covered

- SOLIDWORKS (Advanced)
- AutoCAD (Professional Drafting)
- GD&T Practical Application
- BOM & Documentation Workflow

Program Highlights

- Industry-oriented training approach
- Real workflow-based learning
- Hands-on design & drafting exercises
- Manufacturing awareness integration
- Final project for portfolio development

Career Opportunities

- Design Engineer
- CAD Engineer
- Mechanical Design Engineer
- Drafting Engineer

Who Can Join

- Working professionals in core field
- CAD learners looking for industry exposure
- Engineers aiming to upgrade skills

Important Note

This program is focused on practical, industry-level skills. Consistent practice and project work are essential to gain full benefit.

Industry Workflow Overview

- Design to Manufacturing workflow
- Engineering drawing interpretation
- BOM structure in industry

SolidWorks Professional

- Advanced sketching practices
- 3D modeling techniques
- Assemblies & mates
- Drawing creation and detailing
- Sheet metal design basics

GD&T; Practical Application

- Datum structure
- Position tolerance application
- Profile & runout basics
- Real drawing interpretation

AutoCAD for Mechanical

- Professional drafting standards
- Dimensioning and layouts
- Plotting for production drawings

Manufacturing Awareness

- Material selection basics
- Machining overview
- Design for manufacturability

Final Design Exercise

- Design and document a mechanical component
- Prepare drawings and BOM