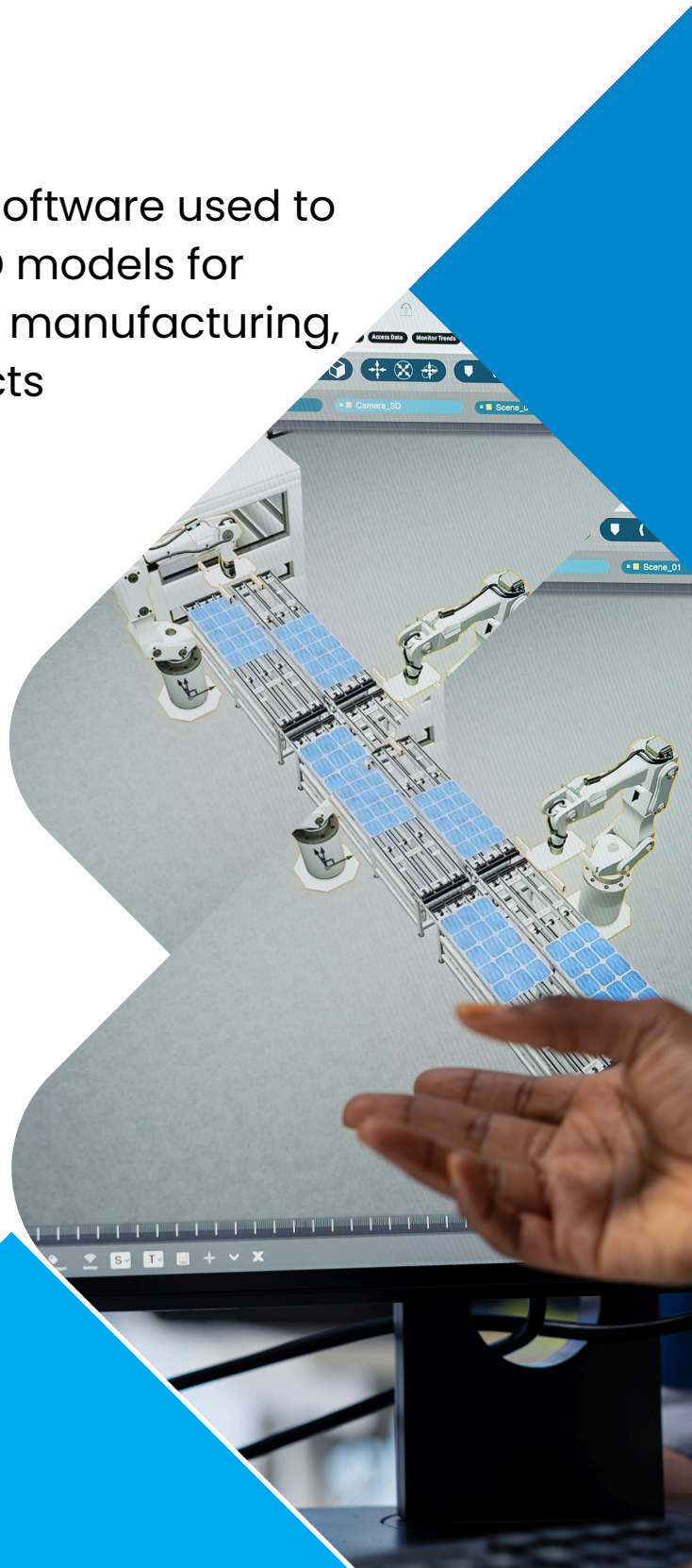
AUTO CAD

AutoCAD is a computer-aided design software used to create precise 2D drawings and 3D models for engineering, architecture, construction, manufacturing, and interior design projects

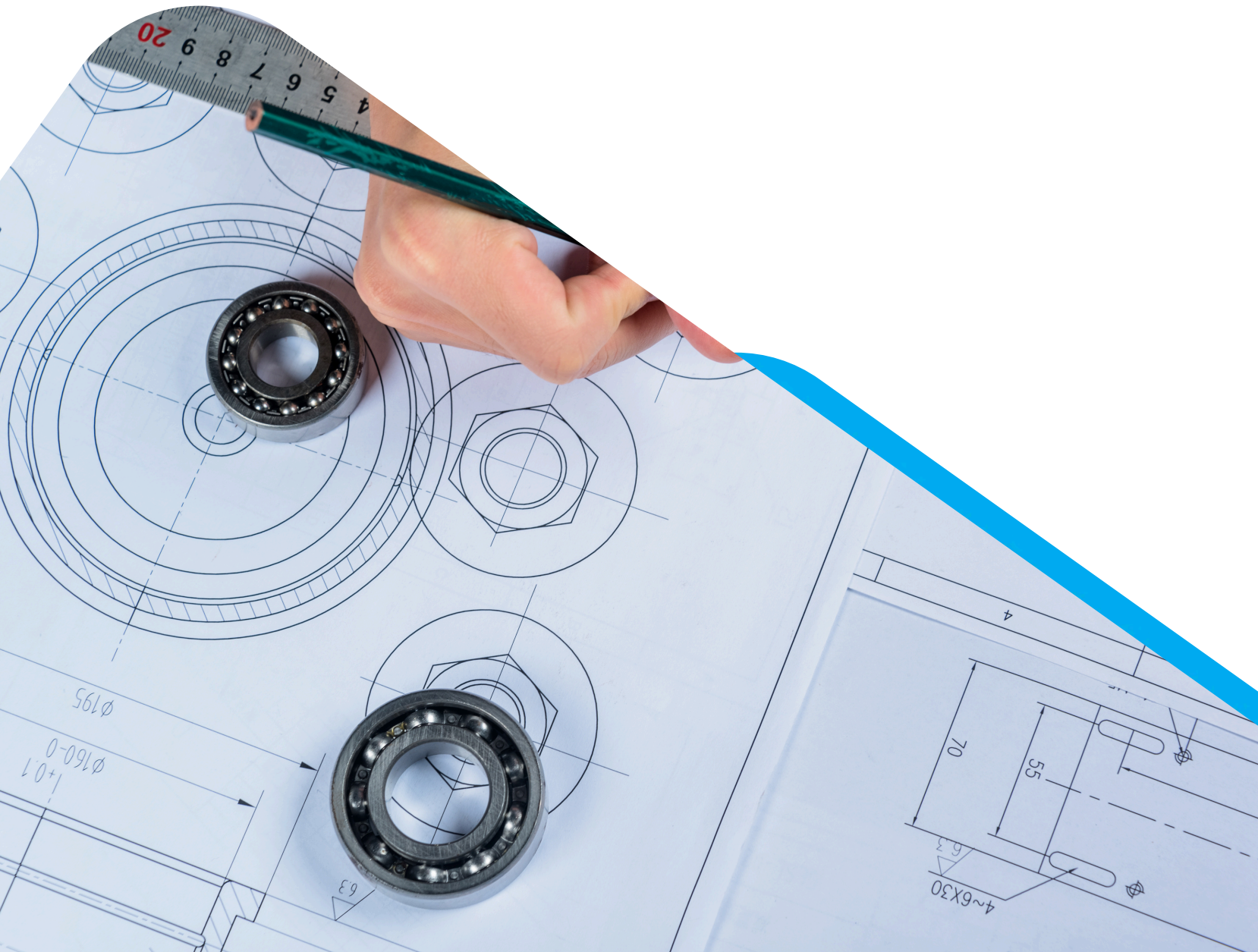


WHY QUANTUMAI?

QuantumAI delivers a practical,job-focused curriculum with hands-on projects using real datasets.Led by industry experts, the program provides exposure to modern tools and cloud technologies, making it suitable for both beginners and pro-fessionals looking to grow or transition into AUTO CAD.

COURSE OVERVIEW

This course provides comprehensive training with practical exercises, covering core concepts, tools, and real-world applications to build skills for academic, professional, and career advancement.



WHAT YOU WILL LEARN

QUANTUM-AI
THE SCHOOL OF DATA AND AI

Introduction to Auto CAD

- What is CAD and AutoCAD?
- AutoCAD interface and workspace
- File management and templates

Basic Drawing tools

- Line, Circle, Arc, Rectangle, Polygon
- Ellipse, Polyline, Hatch
- Zoom, Pan, Redraw, Regen

Modify Tools

- Move, Copy, Rotate, Mirror
- Trim, Extend, Offset, Fillet, Chamfer
- Scale, Stretch, Explode

Object Properties & Layers

- Layers and Layer management
- Color, Linetype, Lineweight
- Match properties

Drawing Precision Tools

- Ortho mode, Snap, Grid
- Object Snap (OSNAP), Polar Tracking
- Coordinates (Absolute, Relative, Polar)

Creating Text & Dimensions

- Single-line & Multi-line text
- Dimension styles and types
- Leaders and tolerances

Blocks, Groups & Attributes

- Creating and inserting Blocks
- Editing Blocks, WBlock
- Defining and extracting Attributes

Layouts, Plotting & Printing

- Paper space vs Model space
- Viewports and layout setup
- Plotting with scale and title block

Advanced 2D Techniques

- Multiline, Region, Boundary
- External References (Xrefs)
- Design Center and Tool Palettes

QUANTUM-AI
THE SCHOOL OF DATA AND AI

Introduction to 3D Drawing

- 3D Basics: UCS, Viewcube, Navigation
- Creating 3D objects (Box, Sphere, Cylinder etc.)
- Extrude, Revolve, Sweep, Loft
- 3D Editing: Union, Subtract, Intersect

Mini Projects & Practice

- 2D Floor Plan drawing
- Electrical/Mechanical Drawing
- Basic 3D Object Design



Get in Touch

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