



**Arfa Karim**  
Technology Incubator

# AutoCAD 3d

Duration: 3 Months



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## Modules

- Introduction to AutoCAD 3D
- Creating 3D Objects
- Editing 3D Objects
- Advanced 3D Modeling Tools
- Materials & Textures
- Lighting & Rendering
- 3D Modeling with Constraints
- Parametric Modeling
- 3D Printing & Exporting
- Advanced Rendering Techniques
- Assemblies & Parametric Design
- Collaborative Design & 3D Visualization

## Audience

- Aspiring designers & animators
- Individuals looking to enter the creative digital field
- Those seeking a well-rounded foundation in various digital design & animation

## Outcomes

- Develop a strong command of AutoCAD 3D, including its user interface & essential tools for 3D modeling
- Be able to create, edit, and manipulate 3D objects & models, applying a variety of modeling techniques
- Gain the ability to set up lighting, apply materials, & render 3D scenes to create realistic visual representations
- Understand & apply parametric modeling principles to create flexible & adaptive 3D designs
- Develop problem-solving skills to troubleshoot issues & constraints in 3D models while maintaining design integrity
- Optimize your workflow for efficient 3D modeling & design

## Eligibility Criteria

- Basic knowledge of computer, design & mathematical skills