



Certificate of Completion

Name : BHARANIKUMAR ARUNAGIRI

Course Title : DIPLOMA IN MECHANICAL CAD

At : CADD SCHOOL - VADAPALANI

During : FEB 2025 - MAY 2025

Student ID : CT020225 Date Of Issue : 05 OCT 2025



Scan & verify your certificate

Branch Head

Managing Director



Corporate Office :
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Awarded to **BHARANIKUMAR ARUNAGIRI**

Reg.no **CT020225**

In **DIPLOMA IN MECHANICAL CAD**

Software used **AUTOCAD,CATIA,GD & T**

CADD SCHOOL™

2D Drafting

Introduction to CAD
Basics of CAD
Orthographic drawing
Advanced sketching
Drawing tools
Editing sketched objects
Advanced editing tools
Creating Text and Tables
Basic Dimensioning, GD & T
Editing dimensions
Constraining sketches
Technical drawings
Isometric drawings
Viewports & Layouts
Working with Layouts
Working with Blocks
Block attributes
External reference
Advanced drawing options
Grouping

Project Work

3D Modeling

Part Modeling
Creating Base features
Reference Geometries
Advanced Modeling tools
Object reception tools & Editing features
Assembly Modeling
Inserting & Moving individual Components
Applying & Editing Constrains
Creating Components & Subassemblies
Deleting & replacing Components
Sectioning & exploding an Assembly
Surface Modeling
Creating Wireframe elements
Creating Base surfaces & Advanced surfaces
Operations on Shape geometry
Surface operations

Sheet Metal Modeling

Sheet metal parameters
Creating Base wall & Swept walls
Creating Hems, Bends
Folding, Unfolding & Flat patterns
Stamping / Forming tools

Detailing

Generating standard & derived views
Exploded view & Interactive drafting
Editing drawing views
Frame & title block
Adding & Editing annotations
Generating the BOM & Ballons

Project Work

Manufacturing

Manufacturing objects
Wizards and shop documentation
Geometry definition
Tool Selection
Machining types
Milling
Turning
Drilling
Mill Multi axis
Multi blade
Manufacturing Methods
Planer profiling
Contour profiling
Z- level milling
Area milling
Engraving
Surface area cutting
Post Processing

Project Work

Analysis

Overview of Fem
Structural static Analysis
Thermal Analysis
Fluid flow Analysis
Computational Fluid Dynamics
Coupled field Analysis

Project Work

Geometric Dimensioning & Tolerance

Introduction
Fundamental Rules
Symbols
Types of Tolerance
Features of GD&T
GD&T rules
Dimensioning standards
Number of standards
Other standards

Project Planning & Managements

Project Planning
Scope of Management
Older methods of planning
Database Managements
Defining Calenders
Documentation
Planing & scope definition
Enterprise Project structure (EPS)
Organizational breakdown structure (OPS)
Work breakdown structure(WBS)
Activity generation
Resource planning
Relationships / Constrains
Filters
Thresholds, Issues & risk
S-Curves & Bar charts
Tracking
Report generation
Visual reports
Graphical reports

Project Work

