EduCADD
CERTIFIED

Technical Education
Centre

The EduCADD Training

Centre network offers industry

specific courses

designed to meet your

learning needs with

professional instructors,

relevant content, authorized

courseware, and ongoing

evaluation by EduCADD

EduCADD®
Leaders Through Quality Education

Certificate of Completion

This **Certificate** accredits that

SUMESH DIVAKARAN

has **successfully** completed the **course** in :

MASTER DIPLOMA IN MECHANICAL CAD

at **EduCADD Learning Solutions,   UDUPI**

May-2017

_____
Executive Vice President Training, EduCADD

Date of issue :   **8-Jun-2017**

Certificate No :   **KA/ECNM/036-22508**

_____
EduCADD Certified Trainer,   **SUSHMA**

AutoCAD

Basics of computers & CAD
Basic Tools of AutoCAD
How to make 2D Drawings in AutoCAD
How to make 3D models in AutoCAD
How to edit and modify AutoCAD drawings
How to dimension entities
How to increase productivity
How to create and access symbols
How to prepare and manage a layout
How to share data in a network
How to extract BOM
How to control display for effective use of the system
How to create photo realistic models
How to print drawing and 3D models
Communication design on the web
How to work with Sheet set manager
How to Import and Export drawings

Duration : 80 Hrs

Project

Independent project work with expert assistance

Catia

Parametric modeling
Feature based modelling concepts
Creating the sketch
Sketch constraints
Analizing constraints
To create pad and pocket features
To create sketch based features
To use dress up features
Using parts with surface
To create formulas and design tables
To create assembly
Exploding assemblies
Creating scenes
Creating surface geometry
To create 2d views, sections from 3d models
To details the drawings

To create bill of material
To export as iges models
Sheet metal parameters
Sheet metal operations
sheet metal punch and die

Duration : 80 Hrs

Project

Independent project work with expert assistance

NX CAD- Unigraphics

Introduction to Unigraphics
Sketcher-Drawing sketches for solid models, adding
Geometric Constrains & Dimensions
Modeling-Editing, Extruding, and Revolving sketches
Basic customization of Tool Bar
Creating Primitives & Design features
Working with fixed and relative Datum planes
Coordinate systems and Datum Axes
Advanced Modeling Tools-1&2
Creation of Families
Importing and Exporting of files through DXF & IGES files
Editing features and advance Modeling Tool-II
Assemblies-Basic assembly constrains
Assembly modeling-I&II
Drafting-Generating, Editing and Dimensioning the drawing views
Adding GD&T Symbols to the Dimensions
Surface- Surface & advanced surface Modeling
Sheet Metal- Bending and Unbending walls

Duration : 80 Hrs

Project

Independent project work with expert assistance

Solid Works

Solid works basics and the user interface
Working with Sketching, Basic Part Modeling
Design Tables and Equations
Advance Part Modeling.
Multibody Solids, Other Advanced Tools,
Basic Part Rendering, Mapping Texture Appearance
Assembly Modeling, large Assemblies
Motion Manager, Surface Modeling
Advanced Surface Modeling
Master Model Techniques
Drawing Sheets and Views
Dimensions, Annotations
Sheet Formats and Templates
Assembly Drawing Views
Bill of Materials and Tables
Drawing References and Comparison
Sheet Metal, Modeling Sheet Metal Parts
Sheet Metal Forming Tools
Additional Sheet Metal Features
Converting Parts to Sheet Metal

Duration : 100 Hrs

Project

Independent project work with expert assistance

AUTODESK   CATIA   PTCuniversity   Altair   ORACLE WORKFORCE DEVELOPMENT PROGRAM   Solution Partner PLM   SIEMENS   Adobe   Microsoft Office Project