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कौशल भारत - कुशल भारत

CADD CENTRE
Skills Driven. Job Led

CERTIFICATE OF COMPLETION

Expert

In : Expert in Automotive Design

Awarded to : SHRADDHESH SUBHASH KAMAL

At : CADD Centre Training Services, Thane, Manpada

During : 30/12/20 - 30/07/21   Student ID No.: EX201216626

VIVEK CHANDRA PATHELLA   13 - 09 - 2023

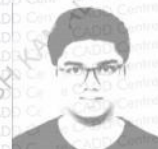Managing Director   Centre Head   Date of Issue

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An ISO 9001 - 2015 Certified Company

STUDENT NAME: **SHRADDHESH SUBHASH KAMAL**

STUDENT ID NO.: **EX201216626**

CADD CENTRE
Skills Driven. Job Led

Advanced Surfacing
- Geometrical Sets Management
- Generative & Advanced wireframe
- Wireframe Analysis and Repair
- Surface Generation
- Creating Offset, laws & spine
- Creation of Swept Surfaces
- Creation of Blend Surface
- Editing surface
- Surface Analysis & Repair
- Developing Shapes

Ansys Fluent
- CFD solving workflow
- Flow Mix and Heat Transfer
- Transonic Flow
- Multiple Species Flow
- Turbulence Model
- Periodic Heat Flow
- Radiation and convection
- Turbulent Flow in Heat Exchanger
- Siphoning

Ansys Workbench
- Creating 3D Models
- Creating FEA Models
- FEA meshing Technique
- Loads & Boundary Condition
- Materials
- Simple Static Structural Analysis
- Modal & Buckling Analysis
- Fatigue & Thermal Analysis
- Design Parameters

AutoCAD for Mechanical Engineers
- Drafting Entities
- Advanced drafting and modifications
- Layer management
- Views & Annotation
- Parametric drawings
- Blocks & Attributes
- X-ref and OLE
- Layout and Plot
- AutoCAD mechanical features
- AutoCAD 3D Technics

CATIA
- Sketch Creation Tools
- Sketch Editing Tools
- Part Modeling Features
- Advanced part Modeling Features
- Assembly Modeling
- Sheet Metal Design
- Surface Modeling
- Drawing Views
- Dimensions & Annotations
- Drafting Settings & Rendering

GD&T
- GD & T Rules
- ASME Y14.5M-1994
- Size Tolerance
- Form Tolerance
- Orientation Tolerance
- Profile Tolerance
- Location Tolerance
- Runout
- Datum
- Modifier

HyperMesh
- FEA Meshing
- 1D, 2D & 3D Mesh Q1 Mesh
- Shrink wrap mesh
- Tetra Mesh
- Hexa mesh
- Assembly FEM
- Solver Interfacing
- Post-process
- Reports

Reverse Engineering
- Digitized Shape Editor
- Working with Point Cloud
- Scans & Curves
- Curve Creation
- Quick Surface reconstruction
- Generic Surface Design
- Scan to 3D

MATLAB
- MATLAB Built-in functions
- Programming & MatLab Scripts
- SimuLink Modeling
- DC Motor Performance Evaluation
- Multibody Model Anatomy
- Modeling Bodies
- Simulation & Analysis
- Gear Mechanism
- Lead Screw Joint Block Modeling
- Simscape Multibody Library