

100%
Job Placement
Guarantee



EXPERT DESIGN SCHOOL

A Bright Future Begins Here...



❖ **Our Successful Placements** ❖



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EXPERT DESIGN SCHOOL

Overview :

*Our Mission Is To Provide Our Clients With
Specialized Business Solutions For Their
Engineering Needs And Become A Trusted
Partner In Strategy Implementation.*



Focus :

*We Build Strong And Sustainable Relationship With Our Customer And External Partners.
We Build Innovative Methods Throughtfully And Effectively To Deliver Quality Services To Our Customers.*

Follow us on :



VEHICLE INTEGRATION

- ◇ Automobile Basic Design Process
- ◇ Concept of Vehicle Design and Development
- ◇ Various Aggregates & Their Responsibilities
- ◇ Anatomy of Vehicle And It's Importance
- ◇ Packaging Considerations
- ◇ Study of Surrounding Parts
- ◇ Serviceability of Parts
- ◇ Ergonomic Study of Parts
- ◇ Platform Strategy

CAD Technology

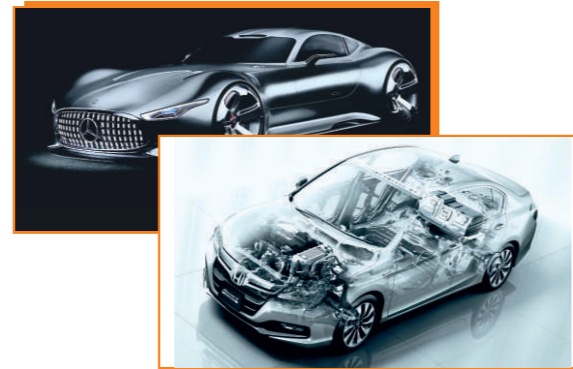
- ◇ Solid, Surface & Sheet-Metal Modeling
- ◇ Top Down and Bottom Up Assembly Approach
- ◇ Preparation of Bill of Material (BOM)
- ◇ Drafting of Components, GD & T Applications
- ◇ Productivity Tools, Family Tables, Relations / Formula & Customized User Interface
- ◇ Modeling Strategies for Plastic, Sheet Metal, Casting & Forging Components
- ◇ Data Exchange Types, Working With Non- Parametric File Data, Clean Up
- ◇ Create Rendered Images For Presentation and Animations For Presentation

Casting Product Design

- ◇ Application of Casting Parts
- ◇ Types of Casting Processes
- ◇ Design Considerations in Casting
- ◇ Types of Casting Allowances
- ◇ Defects in Casting
- ◇ Material Selection
- ◇ Die Cast Tool Design Concept

Engineering Drawing & GD&T

- ◇ Training on Orthographic and Isometric Projection Views
- ◇ Preparation of Drawing as Per Standard i.e. ISO / ANSI
- ◇ Fundamentals of GD&T in Engineering
- ◇ Types of Geometrical Tolerances
- ◇ Limits, Fits & Tolerances
- ◇ Hole Basis & Shaft Basis System



Major Systems in Automobiles

- | | |
|-----------------------|---------------------|
| ◇ Engine | ◇ Steering System |
| ◇ Transmission System | ◇ Control System |
| ◇ Intake System | ◇ Cooling System |
| ◇ Exhaust System | ◇ HVAC System |
| ◇ Suspension System | ◇ Chassis Frame |
| ◇ Fuel System | ◇ Electronic System |

Forging Product Design

- ◇ Application of Forging Parts
- ◇ Types of Forging Processes
- ◇ Design Considerations in Forging

Sheet Metal Product Design

- ◇ Application of Sheet Metal Parts
- ◇ Types of Sheet Metal Processes
- ◇ Design Considerations in Sheet Metal Parts
- ◇ K-Factor, Y-Factor Calculation
- ◇ Material Selection of Sheet Metal Parts
- ◇ Press Tool Design Concept

Electrical Design / EV Design

- ◇ Introduction to Electrical / Electronic System
- ◇ Guidelines for Wiring Harness Concepts & It's Design
- ◇ Components Used in Electrical System
- ◇ Engineering Standards for Wiring Harness Routing
- ◇ Packaging Feasibility Check
- ◇ Design Specification, Application of Wiring Harness
- ◇ Electrical Wiring Harness Design & Development
- ◇ Cable, Fuse, Terminal, Connector & Protection Selection
- ◇ Load Calculations, Voltage Drop Calculations
- ◇ Arrangement of Fuses & Relays in Vehicle
- ◇ Grounding Strategy

PLM TRAINING

- ◇ PLM Fundamentals
- ◇ Windchill PDM Link Principles
- ◇ Bill of Management in Windchill Principles
- ◇ Change Management Principles
- ◇ Document Management Principles
- ◇ Navigation, Search & View Data

CAD Tools

- ◇ Creo
- ◇ CATIA
- ◇ CHS
- ◇ Zuken



Solid Mechanism

- ◇ Forces & Moments Free Body Diagram (FBD), Moment of Inertia (MI), Equation of Statistics, Multiple Load Calculation
- ◇ Mechanical behavior (Elasticity, Plasticity, Stability and Failure)
- ◇ Stresses and Strains, SFD & BMD, Theories of Failure

Design Verification

- ◇ Process Flow & Design Verification Plan
- ◇ Verification of Circuit, Pin-Out, Routing
- ◇ Verification of Cable Size
- ◇ Wiring Harness Testing

Electrical & Electronic Introduction

- ◇ ECU, BCM, Starter Motor
- ◇ Alternator, Battery, RVC Sensor
- ◇ Sun Light Sensor
- ◇ Other Electrical & Electronic System

Product Design Steps

- ◇ Design For Manufacturing, Assembly, Function & Serviceability
- ◇ Design for Failure Mode Effect Analysis (DFMEA)
- ◇ Design Consideration for Plastic, Sheet Metal & Casting Products
- ◇ Benchmarking Study
- ◇ Value Analysis & Value Engineering (VA/VE)

Personality Development Program

- ◇ Soft Skill Learning On Ppt, Xls & Word File
- ◇ Creative Problem Solving Technique
- ◇ Written & Verbal Communication In English
- ◇ CV Preparation
- ◇ Preparation Of Technical Interviews
- ◇ Presentation & Time Management Skills
- ◇ Interpersonal Skills Development
- ◇ Leadership Skill Development



Company :

Vision :