

GURURAYAR ASSOCIATES

Mechanical Product Design training program

Duration: 5 months (120 hrs theory sessions + 40 projects (120hrs)

Saturday: 3hrs, (7pm to 10Pm) Sunday 3hrs (3 Pm to 6Pm)

Course fees: Rs 50,000 with 10 instalments every 10 days once.

Who can join?

B.E /B.Tech 3rd year/Final Year /Job seekers from Mechanical and Automobile

Software tools: Creo and Ansys

Contents

Product Design Introduction

1. Introduction to Design and Need analysis
2. Introduction to DFMEA Concept
3. Case study using DFMEA
4. Material selection
5. Manufacturing Process selection
6. Case studies 3 nos
7. Costing and Marketing
8. Design for casting components
9. Projects – 5 nos
10. Design for plastic parts
11. Project -5 nos
12. Design for Sheet metal parts
13. Projects -5 nos

Engineering Services Introduction

1. Introduction to 3D to 2D conversions
2. Projects -10 nos
3. Introduction to various drafting standards
4. Engineering drawings for manufacturing
5. GD&T Applications
6. Projects – 10 nos
7. Introduction to FEM/FEA
8. Design optimization using FEA
9. Projects -5 nos

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