



Higher Technology You Need

# ARMbedded CADD CENTRE



A Unit Of ARMbedded Electronics Pvt. Ltd.



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JAS-ANZ



AN ISO 9001:2008  
CERTIFIED COMPANY

## Modules For Six Weeks Industrial Training On **PRO-Engineering**

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### 1<sup>st</sup> Week

#### Introduction to Computer Aided Design (CAD)

- What Can It Do And Why We Should Learn
- CAD For Electrical/ Civil/ Mechanical/ Automobiles
- Software Available For CAD (AutoCAD/PRO-E/Solid Works)



#### Introduction to PRO-E

- Installing Procedures
- Configuration Files
- User Interface Overview
- Getting Started With Pro Engineering
- File types
- File operations

#### Sketcher

- Sketch mode
- Drawing a sketch
- Dimensioning a sketch
- Working with constraints
- Modifying dimensions
- Deleting
- Trimming
- Mirroring
- Palettes

## 2<sup>nd</sup> Week

### Sketch Operations

- a) Splines
- b) Text in sketches
- c) Importing sketches
- d) Scaling & Rotating

### Solid Modelling I

- a) Extrude
- b) Revolve
- c) Default Datum Planes

### Datums

- a) Datum Planes & Axes
- b) Datum Points
- c) Creating Datum's on-the-fly

### Solid Modelling II

- a) Holes
- b) Rounds
- c) Chamfers
- d) Ribs
- e) Editing Features

## 3<sup>rd</sup> Week

### Introduction to Surface Modelling

- a) Intersection
- b) Merge
- c) Offset
- d) Extend
- e) Thicken
- f) Solidify.
- g) Flatten quilt
- h) Vertex round
- i) N-Sided patch.
- j) Boundary Blend

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## **Object Replication**

- a) Patterns
- b) Copying Features
- c) Model Sections

## **4<sup>th</sup> Week**

### **Solid Modelling III**

- a) Sweep Features
- b) Blend Features
- c) Shell
- d) Datum Curves
- e) Draft Features

### **Solid Modelling IV**

- a) Variable Section Sweep
- b) Swept Blend
- c) Helical Sweep
- d) Blend Section to Surfaces
- e) Blend between surfaces

## **5<sup>th</sup> Week**

### **ADV Modelling Tools**

- a) Torodial Bend
- b) Spinal Bend
- c) Warp
- d) Pipe
- e) Surface
- f) Solid free forms.

### **Assembly Mode**

- a) Getting Started With Assembly
- b) Bottom-up Approach
- c) Assembly Constraints.
- d) Top-down Approach

- e) Interference & Clearance Checks
- f) Exploded Views
- g) Simplified Representation.

## 6<sup>th</sup> Week

### Drafting

- a) Overview of Drafting
- b) Creating Drawing Views
- c) Insert Templates, Format
- d) Show & Erase Tool,
- e) Creation of Dimensions
- f) Symbol Creations & Placements
- g) Bill of Materials
- h) Drawing Tools
- i) GD & T

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