



3D
SOLIDWORKS

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Solidworks

INTRODUCTION

- Concept of Design
- CAD/CAM/CAE
- History of Solidworks
- Modules in Solidworks
- Applications and Scope of Solidworks
- System requirement

SKETCHER

- Creating Sketches
- Editing Sketches

PART MODELING

- Part Designing
- Reference Geometry
- Placed Features

INTRODUCTION OF DESIGN CONCEPT AND PROCEDURE

- Detailed Concept Of CAD
- Need & Importance Of CAD
- Overview About Actual Designing In Industries, Fundamentals Of Design And Its Implementation Methods
- All Characteristics Of Solidworks To User Friendly Atmosphere
- Superiority Of Solidworks With Its Use And Demand In Industries

TAKING THE SOLIDWORKS V5 TOUR

- Introduction To Solidworks.
- System Requirements
- Starting Solidworks In Windows
- The Workbench Concept
- Workbenches In Solidworks
- Adjusting The Solidworks Interface
- Creating And Managing Workspace
- Graphic User Interface Of Solidworks
- Menu And Toolbars

ASSEMBLY MODELING

- Assembly Mates
- Manipulation



DRAWING VIEWS & DETAILING

- Layout
- Templates
- Detailing

DATA CONVERSION

- Convert Files Into IGES, STEP, PDF, & DWG. Etc.
- Export & Import Files

SOLIDWORKS

- Constructing Ellipse
- Constructing a Circle
- Constructing an Arc
- Creating Slots
- Creating Polygon
- Creating a Parabola
- Creating a Spline
- Equation Driven Curve
- Point
- Creating Text
- Creating Construction Geometry
- Rapid Sketch

EDITING SKETCHES

- Sketch Fillet
- Sketch Chamfer
- Offset Entities
- Converting Entities
- Trim
- Extending Entities
- Jog
- Mirror
- Moving Sketch Entities

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- The Workbench Concept
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- Adjusting The Solidworks Interface
- Creating And Managing Workspace
- Graphic User Interface Of Solidworks
- Menu And Toolbars
- Opening Files
- Creating New Files
- Keyboard Shortcuts
- Selecting/Moving Objects With Mouse
- Working With Planes
- Properties Toolbar
- Changing The Properties
- Changing The Interface From 3d Modeling To 2d Sketching And Vice-Versa
- Uses & Description About Feature Manager Design Tree
- Working With Respect To Ucs.
- Setting Up The Document Options

SKETCHER

- Getting Started With Sketch
- Creating Centerlines
- Constructing Lines

PART MODELING

- Terminologies Used In Part Modeling Environment
- Entering The Part Module
- Choosing The Sketch Plane
- Extruding Boss/ Base Features
- Revolving Boss/ Base Features
- Creating Sweep Features
- Creating Loft Features
- Creating Cut Features
- Selecting Geometrics In Solid Works
- Constructing Ellipse
- Constructing a Circle
- Constructing an Arc
- Creating Slots
- Creating Polygon
- Creating a Parabola
- Creating a Spline



- Equation Driven Curve
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- Jog
- Mirror
- Moving Sketch Entities
- Moving Sketch Entities
- Copying The Sketch Entities
- Rotating Sketch Entities
- Scaling Sketch Entities
- Stretching Sketch Entities
- Modify Sketch
- Close Sketch Of Model
- Sketch Picture
- Area Hatch / Fill
- Sketch Pařerns
- Blocks
- Relations
- Automatic Relations
- Conflicts In Relations
- Dimensioning
- Dimension Property Manager
- Exiting The Sketch
- 3d Sketching
- Assembly Pařern
- Assembly Mirror
- Creating Exploded View
- Physical Simulation
- Top Down Design
- Assembly Performance
- Configuration In Assembly
- Smart Components
- Smart Fasteners



REFERENCE GEOMETRY

- Reference Planes
- Creating New Planes
- Creating Reference Axes
- Creating Reference Points
- Creating Reference Coordinate Systems
- Editing Reference Geometries
- Creating Curves

DRAWING VIEWS & DETAILING

- Introduction Of Drawing
- Need & Importance Of Drawing
- Starting The Drawing Workbench
- Defining The Sheet & Sizes
- Adjusting Of Drawing Sheet According To Object/Assembly
- Types Of Projection
- Using Predefined Drawing Styles
- Scaling The Drafted View

PLACED FEATURES

- Creating Simple Holes
- Creating Standard Holes Using The Hole Wizard
- Creating Fillets
- Creating Chamfers.
- Creating Shell Features
- Creating Rib Features
- Creating Draft Feature
- Creating Pattern

ASSEMBLY MODELING

- Types Of Assembly Design Approaches
- Working With Solid Works Assembly Bottom-Up Approach
- Positioning The Components In Assembly
- Assembly Mates
- Standard Mates
- Advanced Mates
- Mechanical Mates
- Smart Mates
- Mate Reference
- Replacing The Assembly Components
- Rotating A Component
- Moving Components
- Detecting Interference



DRAWING VIEWS

- Creating Drawing From Part Or Assembly
- Creating A New Drawing Document
- Generating Standard Views
- Derived Views
- Creating Broken Views
- Working With Assembly Specific View
- Drawing View Properties
- Manipulating Views

DETAILING

- Creating Dimensions
- Creating Model Dimension
- Creating Auto Dimension
- Dim-Xpert
- Creating Smart Dimension
- Creating Ordinate Dimension
- Creating Chamfer Dimension

DATA EXCHANGE

- Converting Files For Transferring
- Converting Into IGES, STEP, PARASOLID Etc.
- Convert Into Jpeg, Mpeg, Tiff, Pdf Files



Q: Why should I choose Training Basket over other training providers?

Ans. Training Basket provides a unique amalgamation of quality, convenience, flexibility and cost. Training Basket has some of the best trainers in the industry. Our trainers excel not just in depth and width of knowledge, but also in their patience and ability to explain difficult concepts in simple terms.

Training Basket has made serious investments with long-term vision for ensuring good environmental factor for studies by first buying their own suites in the prestigious iThum Towers in NOIDA, Sec-62. This lets us configure our labs and classroom suited best to our student's comfort and focused studies.

Q: What is the criterion for availing the Training Basket job assistance program?

Ans: All Training Basket students who have successfully completed their training in any of our courses are directly eligible for placement assistance.

Q: Which are the companies that Training Basket has placed students in the past?

Ans: We have exclusive tie ups with MNC's like Ericsson, Cisco, Cognizant, Tech Mahindra, MEON, Bingo, Genpact etc.

Q: Do I need a prior industry experience in getting an interview opportunity?

Ans: There is no need to have prior opportunity for getting an interview call. The successful completion of any industry level technology training at Training Basket is like an industry experience. This training makes you confident to clear interviews and we also conduct in-house mock interviews on our online assessment platform where we assess our student's skills by testing their code online or industry specific assessment before sending them for interviews.

Q: How does Training Basket assist in placement?

Ans: You will be guided on creating an attractive template based resume. You will get opportunity to attend free personality development program and mock interviews conducted by our SME's to boost your confidence for real interviews. Plus you will be given our level assessment platform where we assess our student's skills by testing their code online or industry specific assessment.

Q: If I don't clear in first attempt, will I get another chance?

Ans: Yes, for sure. Your resume will be active on our job portal and will be visible to all our associates and clients. Training Basket will continue to send your resume to future job requirements matching your profile till you land a job.

Q: Does Training Basket Guarantee job through it's job assistance program?

Ans: Training Basket does not guarantee job placement but it will continue to assist you on best efforts basis to place you in it's affiliated companies' network.

COMPANIES WHERE OUR STUDENTS ARE PLACED

**Tech
Mahindra**



Source Soft Solutions
We only believe in the best

Chi Networks™

ADS-eVER

MEON
DELIVERING GREAT SURFACES

BioMax™



Bingo
Change • Innovate • Lead

Dimensions
Five Dimensions Infotech

WTS Webtech Solutions

HCL

IBM

Infosys

accenture

HUAWEI

**Reliance
Jio Infocomm**

pinga™ solutions

DATA BRIDGE
MARKET RESEARCH

CoreIP
Technology Pvt Ltd

iSOURCE

**network
solutions**



Shailers
Solutions...for your need



SAMSUNG

indiatech
Solutions