

SOLIDWORKS

Training program



This highly specialized and concentrated Program is ideally suited to following individuals who are:

- **Fresh University Graduates and like to learn this tool and specifically related to Engineering & Sciences Technology.**
- **Already work in the same field and like to excel in terms of better position and compensation in the organization.**
- **Interested to be a SOLIDWORKS Specialist related to tool object, and features.**

Program is offered by: 3D Educators – Trainers & Consultants

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Program Details

Inauguration

The Training Program will be inaugurated by a senior member of 3DEducators

Program Structure

Number of classes in a week	One Class Per Week
Duration of each class	2 – Hour

About the Program Designer & Instructor

The Profile of Program Designers & Instructors is given below:

The “SOLIDWORKS” Program has been designed and will be conducted the Senior Engineers who has more than Ten years experience in the field of Development and Engineering Management.

The Person are Certified where he has been providing his services in industry for last 12 years and conducting so many different session with the SOLIDWORKS and work or develop the real time applications for here and abroad.

At present, faculty is working in the same technology and working as a senior position in the renowned organization, further he is also involved in training and development for last fifteen years.

Program Syllabus

SOLIDWORKS COURSE OUTLINE

Lesson 1: Introduction

(4 Hrs)

- About This Course
- What is the SolidWorks Software?
- The SolidWorks User Interface
- The SolidWorks Model
- View Control
- Display Modes
- Creating New Files Using Templates
- Document Properties
- System Options
- Multiple Views of a Document
- Exercise

Lesson 2: Introduction to Sketching

(4 Hrs)

- Basic Sketching
- Sketch Entities
- Rules That Govern Sketches
- Design Intent
- Sketch Relations
- Dimensions
- Sketch Fillets
- Extrude
- Exercise

Lesson 3: Basic Part Modeling

(8 Hrs)

- Basic Modeling
- Terminology
- Choosing the Best Profile
- Choosing the Sketch Plane
- Sketching on a Planar Face
- Using the Hole Wizard
- Cut Feature
- View Options

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- Filletting
- Detailing Basics
- Drawing Views
- Center Marks
- Model Dimensions
- Changing Parameters
- Exercise

Lesson 4: Assembly Basics

(8 Hrs)

- Assembly Basics
- Bottom Up Assembly Approach
- Top Down Assembly Approach
- Manipulating Components
- Degrees of Freedom
- Mate Relationships
- Local Component Pattern
- Section View
- Exploded View
- Exercise

Lesson 5: Drawing Basics

(8 Hrs)

- Engineering Drawings
- General Drawing Rules
- Dimensions
- Drawing Appearance
- Drawing Templates Choices in SolidWorks
- To Create a New Drawing Using a Document Template
- Sample Drawing Template
- Title Block
- Switching to Edit Sheet Mode
- Detailing Options
- Creating a Drawing – General Procedure
- To Import Dimensions into the Drawing
- Multi-sheet Drawings
- Three View Drawing of Assembly
- Named & Specialized Views
- Exercise

Lesson 6: Advance Modeling Features (Revolve, Sweep, and Loft) (8 Hrs)

- Revolve Feature Overview
- To Create a Revolve Feature
- Creating a Revolve Feature
- Pointer Feedback
- Inferencing
- Sweep Overview – Rules
- Sweep Overview – Tips
- To Create the Sweep Path
- To Create the Sweep Section
- To Sweep the Feature
- Loft Feature Overview
- Creating a Simple Loft Feature
- To Create an Offset Plane
- Setting up the Planes
- Sketch the Profiles
- Creating the Loft Feature
- Exercise

Students who are unable to appear for the final exam are required to submit a written application stating the reason for not appearing for the exam. 3D Educators reserves the right to approve or deny such applications. If approved, the student will be allowed to sit for the exam within one month. Failure to do so, the student will be resubmit the examination fee and sit the future schedule exam. Without passing of the exams no certification will be awarded.

ONLINE LIVE CLASSES FACILITY AVAILABLE

- Instructor Led Training
- Real Time Presentations
- Interactive Classes
- Complete Notes and Other Stuff shall be provided through our Secure Student Login Member's Area
- For Online Live Classes, you may please download the Admission Form through our website <http://www.3deducators.com>. Fill it properly and attached the required document along with Picture and send back to info@3deducators.com with scanned fee submitted voucher in the bank.
- For Pakistan you may submit the fee at any MCB Branch with the title of "3D EDUCATORS-TRAINERS & CONSULTANTS".
- If you are outside Pakistan then you may transfer via Bank to Bank or any western union, Fast Track, Money Gram or else International Transfer Body.
- After Admission, if you don't have GMAIL Account then you are requested to kindly make one GMAIL Account and shared it info@3deducators.com. Then further correspondence shall be made by our institute official.
- Extra Bandwidth Charges shall be incurred.
- If you are outside country or city then extra courier charges shall be incurred for Certificate.

PRECAUTIONARY MEASURES

- ✓ During Classes, you are requested to make sure that you are in isolated room, where no noise should be there except your voice.
- ✓ Kindly Switch Off your Cell Phone during the class, because it will disturb the quorum of class.
- ✓ If you have taken the admission in the course online, ethically it is recommended and suggested that you only avail this facility.
- ✓ Recording of Lectures are not allowed at your end.

This world is emerging and growing in the 21st Century very rapidly because of latest and remarkable technologies and its advancement. Due to advancement of technology, we 3D EDUCATORS offer Live Interactive class sessions.

3D EDUCATORS believe on Information Technology and its systems. Now you can also avail this facility at your home.

DISTANCE NOT MATTER

You can join in the live classes Sessions of **3D EDUCATORS – TRAINERS & CONSULTANTS** from anywhere of the world.

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(Get the Admission Form)

[Admission Form](#)

MANAGEMENT

3D EDUCATORS – TRAINERS & CONSULTANTS