aCADemix ®

Transferring Technology...

SOLIDWORKS
Mold Design
COURSE

CERTIFIED
Training & Support
Provider

ЗЅ SOLIDWORKS

Contact us:

+918925876123

COURSE DESCRIPTION : SolidWorks Mold Design

COURSE DURATION : 40 hrs.

SYLLABUS

Module 1: Surface Concepts and Imported Geometry

- Importing Data
- 3D Model Types
- Definitions
- Terminology
- File Translators
- Modeling Systems
- File Translation
- Why Do Imports Fail?
- Diagnosis and Repair
- Checking Solid Bodies
- Making Copies of Faces
- Repairing Gaps
- Repairing Faces

Module 2: Core and Cavity

- Core and Cavity Mold Design
- SOLIDWORKS Mold Tools
- Mold Analysis Tools
- Analyzing Draft on a Model
- Draft Analysis Colors
- Scale the Part to Allow for Shrinkage
- Establish the Parting Lines
- Manual Selection Of Parting Lines
- Automation
- Modeling the Parting Surfaces
- Smoothing the Parting Surface
- Surface Bodies
- Interlocking the Mold Tooling
- Creating the Mold Tooling

Module 3: Side Cores and EDM Design

- Multiple Parting Directions
- Trapped Molding Areas
- Side Cores

- Feature Freeze
- Lifters
- Core Pins
- Electrode Clearances
- Keeping the Sharp Edges

Module 4: Advanced Parting Lines, Shut-Off Surfaces, and Cores

- Parting Lines and Shut-Off Surfaces
- Draft Analysis Options
- Parting Line Options
- Core and Cavity Surfaces
- Shut-Off Surfaces
- Parting Surface
- Tooling Split
- Seeing Inside the Mould

Module 5: Using Surfaces for Model Prep and Interlocks

- Surfaces in Mold Making
- Creating New Drafted Faces
- Interlock Surfaces

Module 6: Using Surfaces for Mold Design Features

- Surfaces in Mould Making
- The Mixer
- Mold Split Folders

Module 7: Alternative Methods for Mold Design

- Alternate Methods for Mold Design
- Using Combine and Split
- Creating a Cavity
- Using Surfaces
- Techniques for Mold Tooling
- Using the Up To Surface Method
- Using the Split Method
- Manually Creating Shut-off Surfaces

SOLIDWORKS Mold Design

Module 8: Reusable Data

- Reusing Data
- Task Pane
- SOLIDWORKS Resources
- Design Library
- File Explorer
- Library Features
- Configurations in Library Features
- Smart Components

Module 9: Completing the Mold Base

- Organizing the Assembly
- Modifying the Lifters
- Ejector Pins
- Cooling the Mold
- Making the Drawing
- Making Changes
- Completing the Process

Certificate:

On successful completion of the course and evaluation, the Certificate will be issued by aCADemix.

OTHER COURSES

SolidWorks 3D CAD

- SolidWorks-Basics
- SolidWorks-Advanced
- SolidWorks- Routing
- SolidWorks- Piping & Tubing
- SolidWorks-Composer
- SolidWorks-MBD

SolidWorks Simulation

- SW Simulation-Advanced
- SW Simulation-Fatigue FEA
- SW Simulation-Drop Test FEA
- SW Simulation-Dynamic FEA
- SolidWorks Motion
- SolidWorks Plastics

SolidWorks Flow Simulation

- SolidWorks Flow Simulation

Design For Quality (DFQ)

- GD&T-Introduction
- GD&T-Advanced
- Tolerance Stack-Up Analysis
- DFMEA

SolidWorks Automation

- SolidWorks API - Basics
- SolidWorks API - Advanced

SolidWorks PDM

- SolidWorks PDM- User
- SolidWorks PDM - Admin

SolidWorks PDM Automation

- SolidWorks PDM- Automation

Abaqus CAE

- Abaqus CAE – Linear Static Analysis