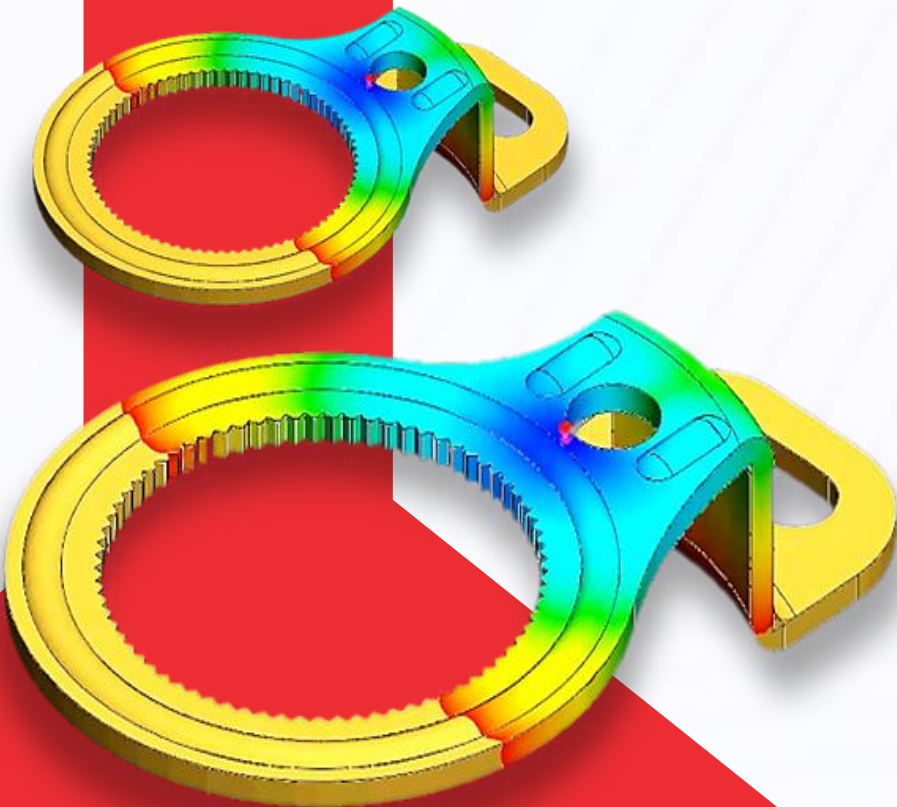




Transferring Technology...

SOLIDWORKS Plastics

COURSE



CERTIFIED
Training & Support
Provider

 **SOLIDWORKS**



Contact us:

+918925876123

COURSE DESCRIPTION : SolidWorks Plastics

COURSE DURATION : 40 hrs.

SYLLABUS

Module 1: Overview of SW Plastics

- Design cycle with SolidWorks Plastics.
- Benefits of Analysis.
- File Management overview.
- Injection molding process
- Injection locations.
- Material definition.
- Specify domain type.
- Working with the Model Tree

Module 2: Basic Modeling and Evaluation

- Sketch entities & Sketch tools
- Part modelling and assembly overview
- CAD Clean-UP tools overview
- Evaluate interference.
- Measure and Section properties tools.
- Mass Properties evaluation.
- Draft Analysis.
- Undercut Analysis.
- Parting line Analysis.

Module 3: Pre-processing Modules

- Defining a new study.
- Material Property definition.
- Injection location.
- Modeling Runner system.
- Meshing.
- Fill setting.
- Pack setting.
- Warp setting.
- Specifying clamp force
- Coolant input
- Control Valve
- Filled Hot Runner
- Air Vents
- Workout examples

Module 4: Solving and Results Visualization

- Flow+Pack+Warp Run.
- Flow+Pack+Warp Results advisor.
- Fill Time.
- Shrinkage detection.
- Warpage detection.
- Detecting Weld Lines.
- Find out Air traps Formation.
- Resultant force check
- Flow sink mark and Flow pressure plots.
- Clamping force plots.
- Residual stress plots.
- Local time dependent results.
- Transient thermal graph.
- Results probing and other user defined functions
- Workout examples

Module 5: Mold Flow Analysis Exercise Problems

- Filling a plastic part.
- Detecting short shot.
- Analyzing sink mark
- Detecting weld lines and air trap
- Modeling Cold runner
- Insert overmolding.
- Validating injection molding simulation
- Cooling Analysis
- Analyzing Warpage and shrinkage
- Multi-Shot Overmolding.

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- Mold Design
- SolidWorks- Routing
- SolidWorks-Composer
- SolidWorks-MBD

SolidWorks Simulation

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

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