GIDC Degree Engineering College, Abrama, Navsari (Gujarat)

Value Adding Course on Solidworks Training

5th - 17th December 2016

For

Mechanical /Automobile Engineering

Students/Industry Particiapnt

Hosted By

Department of Mechanical Engineering

GIDC Degree Engineering College, Abrama

Mechanical Engineering Department is going to organize a value adding course on Solidworks Training from 5th to 17th December 2016 for mechanical /automobile engineering students and industry participant. The objective of this course is to provide a current state of the art in modeling and simulation and how Solidworks software supports the design of mechanical and automobile systems for engineers. The course fee of Solid works Training for GDEC students is Rs.5,000/- and for non GDEC participants is 10,000/-. Maximum 30 participants will be permitted on first come first serve basis. The course is coordinated by mechanical faculties with professional from industries. The interested can contact following faculties for registration.

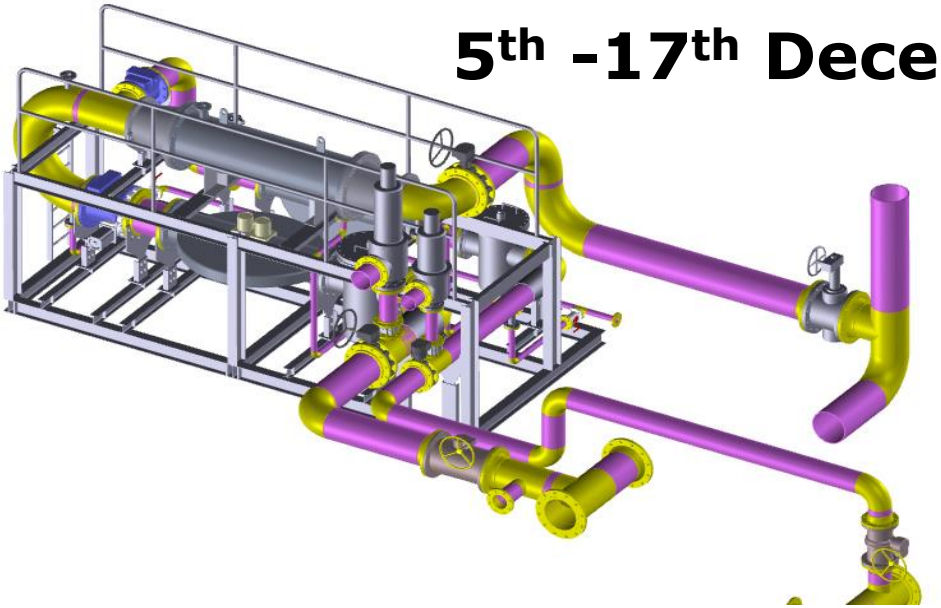
Dr. H. S. Patil -9712955221 , hspatil28@gmail.com

Dr. D. C. Patel- 09428146117, pateldcp@gmail.com

Prof. M.R. Patel - 909907385, er.mayurpatel@yahoo.in

SOLIDWORKS Training

5th -17th December,2016



OUR COMPREHENSIVE TRAINING PROGRAMS PROVIDE A HANDS-ON LEARNING ENVIRONMENT

GDEC training programs are developed with our customers in mind; to enhance the design process through hands-on instruction and mentoring by highly qualified professional instructors.

Get Certified

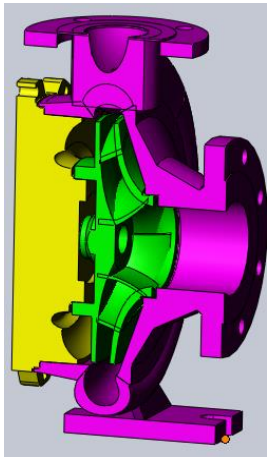
- ☐ **Design Better Products**
- ☐ **Increase Efficiency**
- ☐ **Advance Techniques**
- ☐ **Enhance Design Skills**
- ☐ **Save Time & Money**
- ☐ **Reduce Frustration**
- ☐ **Improve Job Performance**

From core functionality through advanced capabilities, GDEC has a course to fit your level of experience. Anyone can use Solid-Works, but everyone can benefit from professional training.

Solidworks Training

Solidworks Essentials (5 /December/2016)

- ☐ For managers, casual users, drafting, documentation, manufacturing, sales and marketing, and other SolidWorks users who are not designers. Also good as a primer for Essentials.
- ☐ An introductory overview of SolidWorks fundamentals.
- ☐ Our core class, which trains designers and engineers to use SolidWorks as their primary CAD tool.
- ☐ Capturing design intent with 3D feature-based parametric solid modeling, for part design, assembly creation, and drawing generation.
- ☐ Designing machined parts, simple plastic and cast parts, editing and troubleshooting of parts.



Advanced Parts (6 & 7 / December/2016)

- ☐ For challenging part geometry, advanced shapes, industrial design, mould and die design.
- ☐ Flexible approach to product design using "master model" technique and multi-body parts.
- ☐ Advanced fillets/blends. Direct editing of solids.
- ☐ Explores spline-based geometry (sweep, loft, boundary), a prerequisite for our Surfacing class. Surfacing
- ☐ For surfaces-based approach to solid modelling for advanced shapes and in-depth editing.
- ☐ Basic and advanced surfacing functions, hybrid surface/solid modelling, surface modelling techniques, and working with imported solids and surfaces.

Assemblies (8 & 9 /December/2016)

- ☐ For designers who work frequently with SolidWorks Assemblies.
- ☐ Top-down "in-context" assembly design. Layout-based assemblies. Advanced mechanical linkages.
- ☐ Large assembly management. Editing and troubleshooting assemblies. Drawings
- ☐ For designers, drafters, and documentation specialists who need more customized 2D output.
- ☐ Creation of special drawing view types and detailing objects. Customization of title blocks, BOM's and templates for company standards. Reusing DXF/DWG. eDrawings is covered in-depth.

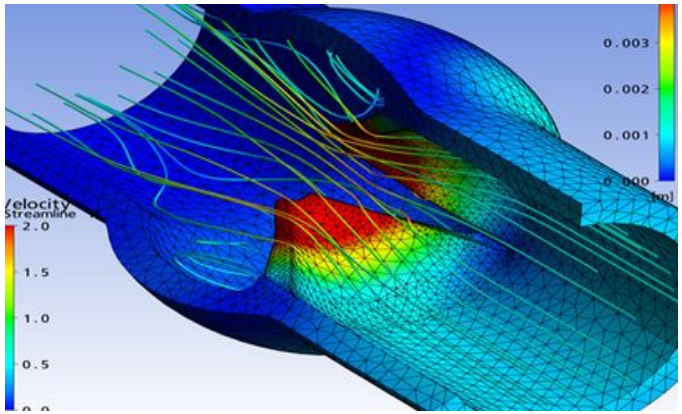
Solidworks Training

Sheet Metal & Weldments (12 & 13 /December/2016)

- ☐ For designers and manufacturers of sheet metal parts and/or welded structures.
- ☐ Use of sheet metal specific features, predictive flat pattern generation, DXF output.
- ☐ Automated modelling of welded frameworks, cut list generation, drawings output.

Solidworks Analysis (14 & 15 /December/2016)

- ☐ Structure Static Analysis
- ☐ Buckling analysis
- ☐ Fatigue Analysis of part and assembly
- ☐ Thermal analysis with advance Thermal stress 2D simplification



Solidworks Animation and Flow Simulation (16 &1 7/December/2016)

- ☐ For designers performing fluid flow and heat transfer analysis integrated with SolidWorks.
- ☐ Project setup, boundary conditions, solution goals, meshing options, exploring and interpreting results, report creation.