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SOLIDWORKS Workshop

(A two days Workshop on Solidworks)

Workshop Highlights

- Receive an unparalleled education from **Go 4 Tech** team with personal one-on-one attention.
- Improve your job prospects and get an edge over your counterparts.
- Interactive Query sessions, Live Demos, PowerPoint Presentation.
- Exposure to multi disciplinary content.
- Opportunity for online examination and certification.
- Certificates issued to all participants.
- Career guidance by experienced faculty.

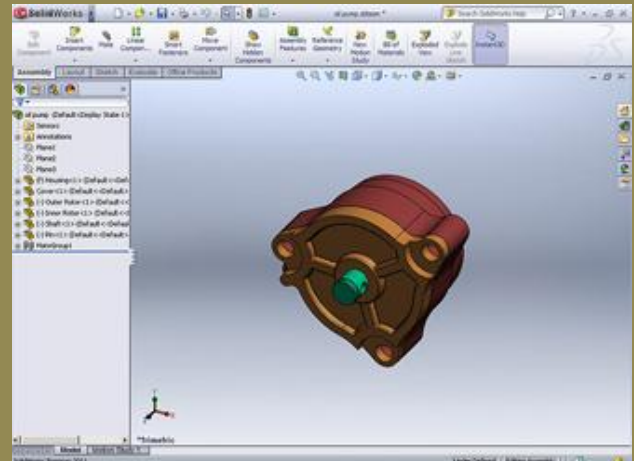
Who should Attend ?

The workshop is a must for anyone

- Interested in Designing Car
- Applying for higher studies
- Looking for a career in Automobile Industry
- Interested in Car Project.

Benefit to Participant

- Develop very good understanding of Glider.
- Design the Car Model themselves under the guidance of professionals.
- Can easily use this experience to develop good B.Tech/ M.Tech projects.
- Helps to face job interviews with confidence.
- Hands-on experience in addition to their classroom trainings will transform the students into better engineers
- Opportunity to interact with DCE (Delhi College OF Engineering) alumni Team to discuss career options.



Open to students of all departments



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Workshop Detail

- 2 Day workshop – includes lectures, design sessions,.
- Cost: Rs 1200 Per Participant.
- Cost includes training material, software and instruction manual.

Workshop Content

Our workshop is aimed at participants with diverse backgrounds with an interest to learn about constructing an aircraft which will make the participants innovate in the design stage, put their design into practice in the manufacturing stage and see their hard work take-off through the hands of our expert flyers at the end. It provides an opportunity to experience the true spirit of engineering.

Workshop duration: 1/2 days

Workshop structure:

1. Introduction to CAD

- What is CAD, ED.
- 2D & 3D CAD.
- Different CAD software available in market.
- SolidWorks, its history, widespread use in the industry and benefits.
- Competitive info.
- Recent Developments in CAD.
- Future of CAD.

2. Working with SolidWorks

- SolidWorks intuitive interface.
- Different module of SolidWorks and its uses.
- Task pane features.
- Versions and changes in SolidWorks.
- Gold Partners.
- Practice workbook.

3. 2D Sketching

- Sketching Interface.
- Default planes & adding new planes.

- Sketching entities like line, rectangle, circle, arcs etc.
- Adding relations.
- Dimensioning entities (smart dimension, vertical & horizontal dimension etc).
- Design intent.
- Manipulating geometries (trim, copy, move, mirror, patterns etc)
- Using sketch tools.
- Keyboard shortcuts.
- Mouse gestures
- **Sketching Practice from workbook**

4. Part Modeling

- Modeling approaches.
- Features (Boss Extrude & Cut, Revolve, patterns, fillets etc.).
- Instant 3D.
- Hole Wizard.
- Lofts, Sweep, Boundary boss/base.
- Design tree.
- Parent-child relationships.
- Rollback & feature freeze.
- Evaluate features-measure.
- Saving parts.
- Modeling Practice from workbook.

5. Part Drawings & detailing

- Drawing Interface.
- Types of drawing sheets.
- Importing Models and model items.
- Dimension palette.
- Title blocks & linking properties.
- Drawing templates & sheet formats.
- Views placement.
- Changing colors, scale, lines, projections etc.
- Section views, detail views, auxiliary views, broken out views.
- Annotations.
- Bi-directional associability between part and drawing.
- Saving drawings.



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6. Simulation Xpress

- Use of simulation.
- Analysis for stresses, deformations & FOS.
- Design optimization.
- Creating reports.
- Practice on parts modeled.

7. Part Modeling

- Modeling approaches.
- Features (Boss Extrude & Cut, Revolve, patterns, fillets etc.).
- Instant 3D.
- Hole Wizard.
- Lofts, Sweep, Boundary boss/base.
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- **Modeling Practice from workbook.**

8. Part Drawings & detailing

- Drawing Interface.
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9. Simulation Xpress

- Use of simulation.
- Analysis for stresses, deformations & FOS.
- Design optimization.

- Creating reports.
- **Practice on parts modeled.**

Our Hands-on and Practical Workshops will supplement your Classroom trainings and transform students into better engineers

Feedback Of Participant

"Fun and enriching experience. Highly Interactive and Informative lectures. Hardworking and friendly team. Best part is that these people would never get fed up of students asking for the same thing again and again but would rather clear the doubts with patience which is a true proof of their dedication and love for their work. Thank u all for coming. Had an Amazing time. Cheers! :)" - **Shalini, Delhi Technology University, Delhi**

"It is really a matter of honour to organize an event as such at BITS Pilani, Goa. This develops innovative thinking and is the platform for creative approach" - **Gunakar Venkat Yadav , IIT-BHU, Banaras.**

"Best Workshop I had attended ever :) Even belonging to non-mechanical branch, I didn't feel that I was out of topic. Very good!!" - **Pooja Bhojwani, IIT-Bombay .**

"Its awesome to see things fly at economic prices. Workshop is so interesting." - **Karthik Reddy B, NIT-Patna**



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