

Course Contents

Course Name: Solidworks Professional

Total Number of Classes: 8

Time: 2 Hours

Course Fee: BDT 4000

1. Part Design

- ✚ Interface Intro
- ✚ Toolbars Intro
- ✚ Sketch
- ✚ Smart dimensions
- ✚ Line, circle, box, arc, spline, ellipse, hexagon etc.
- ✚ Trim, offset, mirror, sketch patterns, move tools, rapid sketches
- ✚ Features-Extrude base, revolve base, extruded cut, hole wizard, revolved cut, fillet, linear and circular patterns, rib, drafts, shell, reference geometry.
- ✚ Intro to surface design
- ✚ Extruded surface, revolved surface, surface fillet, trim, extend

2. Assembly Design

- ✚ Edit component
- ✚ Insert components
- ✚ Mate
- ✚ Linear components
- ✚ Move components
- ✚ Show/Hide/Suppress components
- ✚ Reference geometry
- ✚ Assembly features
- ✚ Exploded view
- ✚ Bill of materials

3. Drafting

4. Simulation

- ✚ Stress analysis
- ✚ Motion study
- ✚ Exploded view simulation
- ✚ Animation file generation in various video formats

5. Render tools

- ✚ Integrated and Final render with Photoview 360
- ✚ Edit appearance/scene

6. Project

- ✚ Designing different parts of given objects , assembling them and creating simulation with stress analysis