

# GradTech

## Dassault systèmes SolidWorks



Asia's First EdTech  
Platform for Core  
Engineers

### Foundational Track

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#### Module 1: Introduction to course

- Introduction to course
- Solidworks UI
- Course content
- Installation

#### Module 2: Basic SOLIDWORKS

- Starting a New Part
- Command Bar, Canvas and Design Tree
- Documents measurements unit
- Utilizing the Mouse for better efficiency
- Control and Creation,
- Why learn 3D modeling  
Basic dimensions and measurements
- Section Conclusion: Basic Interface and Navigation

#### Module 3: Sketching

- Sketching of basic shape Using Dimensions (Distances) to Define Your Sketch Using Relations to Define your Sketch Part 1 - Between Lines and Points Additional Lines: Construction Lines and Center Lines More Sketch Commands: Mirror, Offset, Patterns and Trim Knowing and Deleting Active Relations

#### Module 4: Basic features

- Let us Edit and Delete Features.
- Let us do Chamfers now
- Let us Practice our First Features!
- Design Priorities\_ A point in Design Intent
- More on Design Intent!
- EXERCISES on Basic Features..... Practice, Practice, Practice
- Section Conclusion: Let's Start Applying Basic Features!
- Join Our SOLIDWORKS Community

## Module 5: Complex features

- IRevolved Boss and Cut!
- Swept Boss and Cut
- Making new Planes
- Lofted Boss and Lofted Cut
- 7 Shortcuts to Speed up
- EXERCISES

## Module 6: Material and mass properties

- What is section
- Explore mass and property

## Module 7: Assembly

- Opening an Assembly File
- Standard, Advanced and Mechanical
- Tangent and Concentric
- Point in Adding Parts \_ Base Fixed Part
- The Standard Mates: Distance and Angle
- Finding out existing mate, modifying delete

## Module 8: 2D drawing

- The importance of 2D Engineering
- Drawings
- Opening a Drawing File
- Adjusting Measurement Units' System in a Drawing File
- Creating Standard Orthographic Views from a Part
- Communicate your Drawings: Dimensions, Holes, Centerlines and Display Style
- That Information Block at the Bottom of the Drawing
- Additional Drawing Competencies: Know what is meant with drawing annotations

## Ongoing real industry project discussion with industry experts

- Project discussion with expert
- Industry expectations from freshers
- Required skills as per industry need
- Networking and some insights
- Growth and development
- Expectations and reality

## Interview preparation

- Aptitude and English
- Corporate ethics and etiquette
- Formal mail practice
- Group discussion
- How to handle interview questions
- Salary negotiation skills
- LinkedIn networking
- Mock interviews

### Ready to turn your dreams into reality?

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