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**ROI Engineering Inc.**

## Intro to ANSYS Classic 1

### 3 Days

Recommended for anyone who performs finite element analysis (FEA) of mechanical parts or fluids and has little or no ANSYS experience, Introduction to ANSYS, Part I is a three-day course that focuses on basic linear, static analyses in any discipline. After completing the course, attendees should be able to maneuver efficiently within the ANSYS Graphical user interface (GUI), build two- and three-dimensional models, apply loads and obtain solutions as well as effectively verify the results of an analysis and display results.

Course Topics Include:

- FEA and ANSYS
- Getting Started
- ANSYS Basics
- General Analysis Procedure
- Creating the Solid Model
- Creating the Finite Element Model
- Defining Material Properties
- Loading
- Solution
- Structural Analysis
- Thermal Analysis
- Post-processing
- Short Topics
- ANSYS Native Geometry Creation (Appendix)

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**Engineering for a Return On Investment**

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Each course chapter is followed by "hands-on" workshops and exercises.

