MATLAB/COMSOL Rs: 10000

Hrs: 60

- > History of matlab
- > What is Matlab
- > Basics of Matlab
- > 1.Matlab Interface 2.Basic Syntax
- > Basic Programming
- > Graphics in Matlab
- > Plotting Graphs
- > 1. Vector Plotting 2. Matrix Plotting
- > Types of Plot
- > Programming
- > Toolboxes in Matlab
- > Demos
- > Overview of Toolbox
- **▶** What is Image Processing Toolbox?
- > Types of Images
- > Programming
- > Basic Syntax of image Processing
- > Image Display
- > Image Conversion-Syntax
- > Applications
- > Function Handling in Matlab
- > Text File Handling
- > Graphics in Matlab
- > Sound file Handling
- > Overview of Neural network
- > Neural model and N/W Architecture
- > Perception network
- Back propagation
- Radial Basis N/W
- Overview of fuzzy logic
- Over view of signal processing
- > Plotting of cont& Discrete signals
- > Optimization Operation
- **External Interface for Communication**
- > External Interface for Audio & video Devices
- > Introduction for SIMULINK
- **➤** Control System& and Power Electronics
- **Power system Basics**
- > Interface with Database
- > Interface with M-File & MDI.File
- > Introduction to Comsol Multiphysics

