



# ARTEM ACADEMY

Workshops | Trainings | Projects & more

We are passionate IITians (Engineering), with 10+ years of experience with well grown MNCs. We are expertized in simulating practical & industrial problems in multiple CAD / CAE tools. We focus to spread cutting edge research and development of technologies needed by the world through our training. We are expertized in CAE on various domains such as aeronautical, mechanical, mechatronics, automobile, civil, structural, mech-medical, etc.

ARTEM believes, quality training is a change process that mobilizes strengths and realizes the potential of individuals and their organizations.

## MISSION

Our mission is to enable engineers towards strengthening their capacity to perform high quality research in the field of science and technology in order to make world a better place.

## VISION : ASPIRING LEADERS IN INNOVATION AND TECHNOLOGY

### CAE TOOLS

- SOLIDWORKS
- ANSYS CLASSIC
- HYPERWORKS
- WORKBENCH

### THEORETICAL CLASSES

- STRENGTH OF MATERIALS
- FINITE ELEMENT METHODS
- DESIGN ENGINEERING

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## SOLIDWORKS

- File Operations
- Sketching
- Parametric Models
- Surface Creation
- Volume or Solid
- Patterns
- Synchronous Modeling
- Booleans
- Evaluate

## ANSYS CLASSIC

- Geometric Operations
  - FE Modeling
  - Nonlinear concepts
  - Contacts
  - Solution options
  - Post processing
- Various analysis – static, Linear, Modal, Buckling, Thermal, Nonlinear & so on (Hands On experience)

## WORKBENCH

- Parametric Models
- Project Schematic Links
- Material properties
- Smart size – FE Modeling
- Boundary Conditions & Loads
- Advance Analysis Options
- Nonlinear simulations
- APDL macro scripting

## HYPERMESH

- FEA Interface Operations
- Geometry modifications
- FE Modeling techniques
- Advance Mesh morphing
- FEM Quality checks
- Loads applications
- Cards / Decks Operations
- Transferring to Analysis Tool

**WE TEACH FINITE ELEMENT METHOD CONCEPTS AND FORMULATION BEHIND BLACKBOX FOR CAE SIMULATION TOOLS**