

HYPERMESH

FE MODELING

- ▶ Why CAE?
- ▶ Hyperworks- Introduction

HYPERMESH

- ▶ Basic interaction with HyperMesh
- ▶ Model organization
- ▶ Repairing CAD geometry data -Auto cleanup and manual cleaning operations

SHELL MESHING

- ▶ Auto & Manual meshing
- ▶ Mesh editing
- ▶ Quality criteria
- ▶ Best practices
- ▶ When to deviate geometry
- ▶ Where to measure thickness
- ▶ How to name components
- ▶ Components segregation

PLASTIC PARTS MESHING

- ▶ Strategies

TETRA MESHING

- ▶ Auto cleanup
- ▶ Preparing geometry for Tetra meshing

HEX & PENTA MESHING

CONNECTIONS

DECK SETUP FOR PARTICULAR SOLVERS

- ▶ Physical & Material properties definition
- ▶ Assigning properties to components

WHY GOOD QUALITY MESH IS SO IMPORTANT?

INDUSTRY BEST PRACTICES

HANDS ON EXERCISES

COURSE DURATION

40 HOURS