

● CAE COURSE

CAE-103 MASTER'S DIPLOMA IN CAE DURABILITY

OBJECTIVE: To understand the simulation performance in order to improve product designs.

DURATION - 180 DAYS

- CAE modeler concepts (Assembly and Sub-Assembly level)
- Linear static analysis using event test loads
- Non-Linear static analysis using event test loads
- Bolts Pre-tension Analysis, Slippage Analysis, fatigue factor calculation
- Bi-linear material property extractions
- Buckling load extraction method
- Gravity loads and reaction load extraction concepts
- Fatigue duty cycles calculation, Stress based fatigue Analysis
- High and Low cycles fatigue methods
- Life and damage calculations & target value settings
- Endurance, Alternating & Pulsating limit concepts
- Solver Decks reading and convergence errors
- Output files reading & Debugging methods
- Advance Results interpretations (envelope, super-positioning)
- Report Preparations (Industry standards)
- CAE Recommendation slides Preparations (Industry standards)
- Final Project (Industrial)

