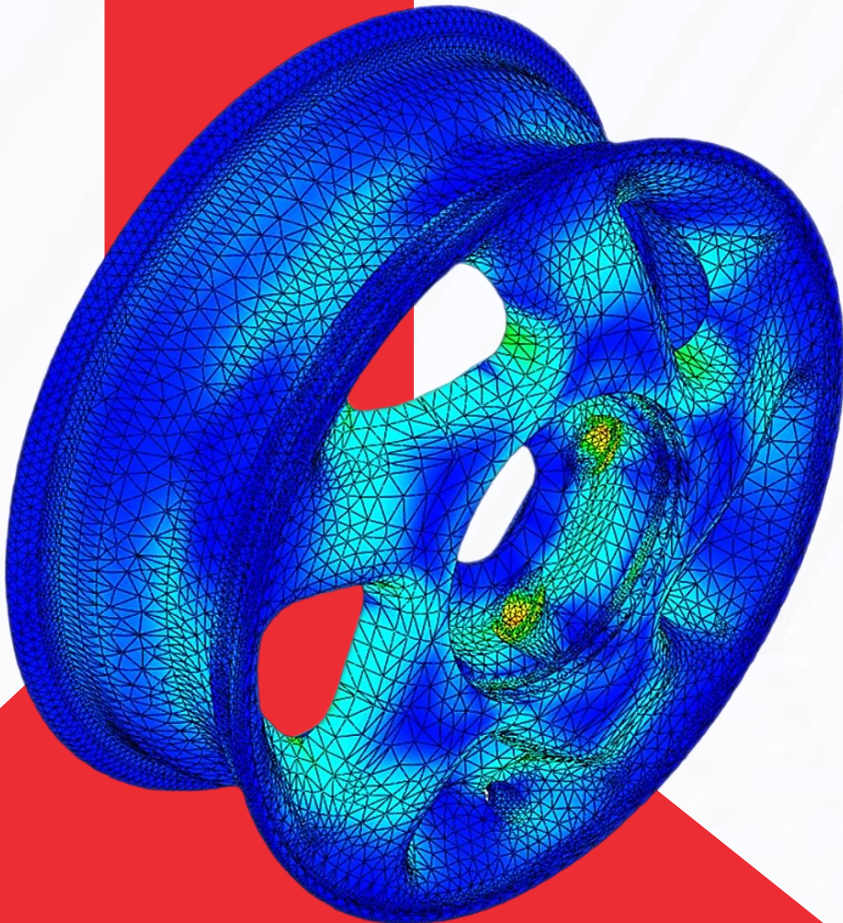




Transferring Technology...

Abaqus **Linear Static Analysis**

COURSE



Contact us:

+918925876123

COURSE DESCRIPTION : Abaqus Linear Static Analysis

COURSE DURATION : 40 hrs.

SYLLABUS

Linear static analysis

Module 1: Overview of Abaqus

- SIMULIA
- What is Abaqus FEA?
- Overview of Abaqus/CAE
- Starting Abaqus/CAE
- Documentation
- Working with the Model Tree

Module 2: Sketch Entities and Part Module

- Sketch entities & Sketch tools
- Part modeling features
- Define a part
- Building a Part Using the Part Module Tools
- Boolean Operations and Patterning
- Sets and Surfaces
- Color Coding

Module 3: Assembly Modules

- Geometry input and repair
- Details of Abaqus input files
- Assembly features
- Mating types

Module 4: Property Module

- Overview of ABAQUS Material Models
- Preliminaries
- Linear Elasticity
- Section Properties
- Assigning sections

Module 5: Meshing

- Introduction
- Dependent and Independent Part Instances
- Mesh Generation Techniques
- Enabling Various Meshing Techniques
- Mesh Compatibility
- Controlling Mesh Density and Gradation
- Assigning Element Types
- Checking Mesh Quality and Obtaining Mesh Statistics

Module 6: Linear Static Step

- Introduction to Linear Static Step
- Step Manager
- Field Output Manager

Module 7: Contact Constraints and Interactions

- Introduction
- Approaches to Modeling Contact
- Defining General Contact
- Defining Contact Pairs
- Contact Pair Surfaces

Module 8: Load and Boundary Conditions

- Introduction
- Load Manager
- Boundary Condition Manager

Module 9: Job Management and Results Visualization

- Job Management
- Resultant force check
- Stress plots
- Deformation plots
- Results probing and other user defined functions

Certificate:

On successful completion of the course and evaluation, the Certificate will be issued by aCADemix.

OTHER COURSES

SolidWorks 3D CAD

- SolidWorks-Basics
- SolidWorks-Advanced
- SolidWorks- Mold Design
- SolidWorks- Routing
- SolidWorks-Composer
- SolidWorks-MBD

SolidWorks Simulation

- SW Simulation Advanced
- SW Simulation-Fatigue FEA
- SW Simulation-Drop Test FEA
- SW Simulation-Dynamic FEA
- SolidWorks Motion
- SolidWorks Plastics

Design For Quality (DFQ)

- GD&T-Introduction
- GD&T-Advanced
- Tolerance Stack-Up Analysis[®]
- DFMEA

SolidWorks Automation

- SolidWorks API - Basics
- SolidWorks API - Advanced

SolidWorks PDM

- SolidWorks PDM- User
- SolidWorks PDM - Admin

SolidWorks PDM Automation

- SolidWorks PDM- Automation