Pipe Racks Analysis Training

COURSE CONTENT

About Multisoft

Train yourself with the best and develop valuable in-demand skills with Multisoft Systems. A leading certification training provider, Multisoft collaborates with top technologies to bring world-class one-on-one and certification trainings. With the goal to empower professionals and business across the globe, we offer more than 1500 training courses, which are delivered by Multisoft's global subject matter experts. We offer tailored corporate training; project Based Training, comprehensive learning solution with lifetime e-learning access, after training support and globally recognized training certificates.

About Course

Multisoft Systems' Pipe Racks Analysis Training is designed to equip engineers and industry professionals with advanced skills in structural analysis and design of pipe racks. This training program covers the fundamental principles and practical applications necessary for analyzing and designing pipe rack systems effectively.

Module 1: Inputs required

Module 2: Conceptual Design

- ✓ Interconnection Diagram
- ✓ Calculating rack width and no. of Tiers from Interconnection Diagram
- ✓ Operational/Maintenance/Access requirements
- ✓ Deciding the Elevation of transverse beams

Module 3: Design Considerations for Pipe Rack Piping

- ✓ Guidelines for placing lines on Piperack
- ✓ Battery Limit Configurations have been explained
- ✓ Supporting & Flexibility requirements
- ✓ Equipment on Piperack
- ✓ Platforms above Piperack

Module 4: Stress Analysis for Pipe Rack Piping:

- ✓ Various concepts related to Stress Analysis keeping in view the Piperack piping have been captured and explained in detail.
- ✓ Actual modelling in CAESAR II is done and explained in detail w.r.t. industry practices and various codes & standards.
- ✓ Following major activities have been captured

Module 5: Setting Ground Work for Pipe Rack Piping

- ✓ Documents/Input Required
- ✓ Input parameters in Caesar
- ✓ Settings Unit Systems
- ✓ Codes & Standards used

Module 6: Step By Step Modelling for Pipe Rack Piping,

- ✓ Various tools of Caesar II
- ✓ Pipeline, Fittings, Supports
- ✓ Best Practices while modeling/Analysis
- ✓ Modeling of Piperack piping

Module 7: Along with above following topics have been covered

- ✓ Expansion loops
- ✓ PSV piping analysis