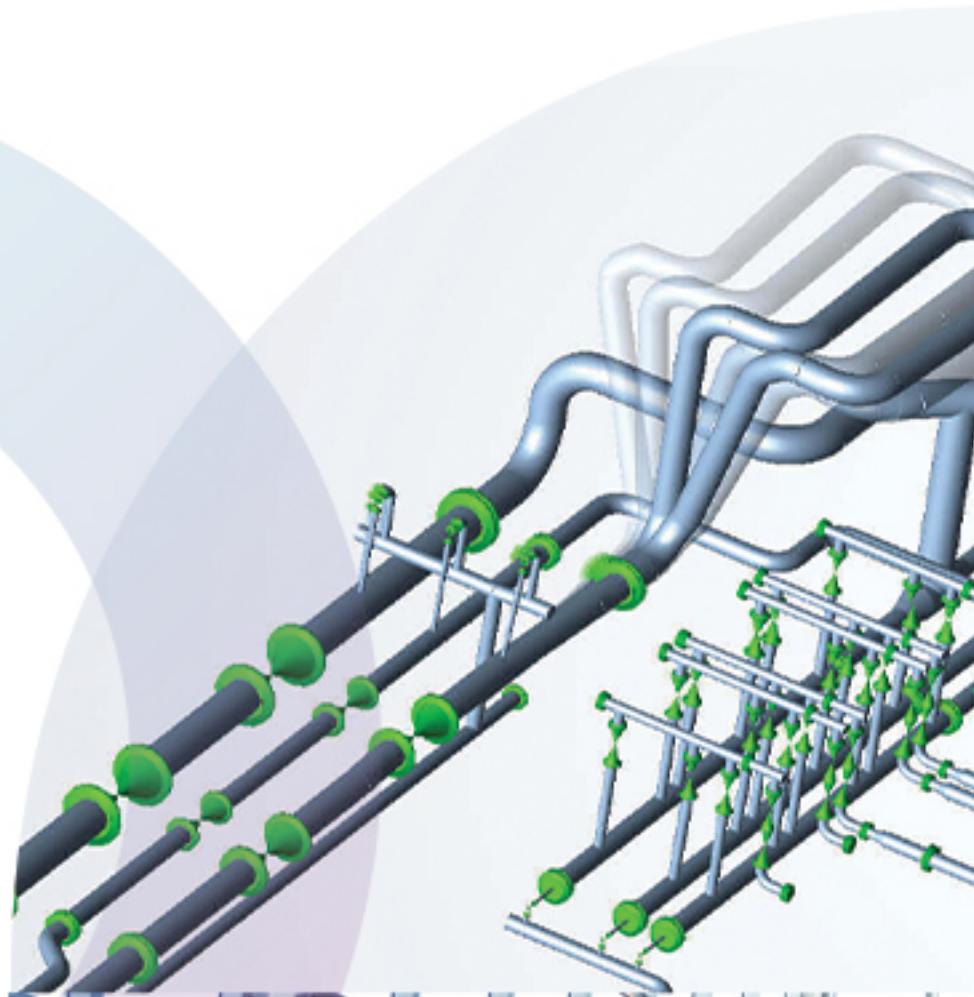# Pipe Stress Analysis using
CAESAR II

ImageGrafix Academy

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Pipe Stress Analysis Using
CAESAR II – Static

Program Objective

To learn the procedure to model the pipe and its inline components, perform the analysis based on the recommended codes, along with generation of stress reports and isometrics.

Course Outline

➤ Pipe Stress Analysis using CAESAR II – Static course is for Piping / Structural Stress & Engineers who will provide analysis report for piping, pipelines and its components.

➤ The world's most widely used pipe flexibility and stress analysis software, CAESAR II® is a complete solution that enables quick and accurate analysis of piping systems subjected to a wide variety of loads, considering weight, pressure, thermal, seismic and other static and dynamic conditions, based on user-defined variables and accepted industry guidelines.

Program Highlights

➤ Modelling of Piping & its components

➤ Building load cases based on the Analysis Code requirements

➤ Reviewing of the Analysis results based on the Codes & Standards

➤ Generation of Support Structural requirements and qualification based on the Client requirements

➤ Generation of Stress Isometrics for departmental communication

➤ Connected Equipment's & Nozzle load evaluation

➤ Inline Piping components evaluation

Duration
40 hours
(Full Time / Part time)

Pipe Stress Analysis Using
CAESAR II – Dynamic

Program Objective

Learn the procedure to prepare a model for performing the Dynamic Analysis of various piping system in accordance with the codes being followed.

Course Outline

Pipe Stress Analysis using CAESAR II Dynamic course is for Piping / Structural Stress Engineers who has a base knowledge of various Pipe Analysis and who intend to learn the advanced capabilities of CAESAR II for realistic load analysis.

This CAESAR II Dynamic training builds the skills required to perform, qualify the system based on the various dynamic loads & review analysis results based on the approved codes & Standards.

Program Highlights

▶ Preparation of Piping System for Dynamic Evaluation
▶ Various Dynamic loads in Plant Industry
▶ Inputting the Dynamic loads in the CAESAR II methodology for analysis
▶ Reviewing of the Analysis results based on the Codes & Standards

Duration

16 hours
(Full Time / Part time)

Overview

ImageGrafix Academy, a training division of ImageGrafix Software Solutions, partnered with the leading engineering software solutions developer viz, Hexagon PPM and Oracle in India is situated at T.Nagar, Chennai. We offer training on instructor-led, state-of-the-art facilities and virtual training services to help people master themselves with adaptive new solutions.

The training programs offered by ImageGrafix Academy are adapted and inspired from respective software OEM training and leading industry practices. Moreover, we revamp our methodologies frequently and make them more relevant to the latest trend and requirements.

An array of expertise

- Modeling of pipe & its components
- Error checking on the model
- Building load cases based on the Analysis Code requirements
- Generating stress analysis report
- Generation of Stress Isometrics for departmental communication
- Connected Equipment's & Nozzle load evaluation
- Preparation of Piping System for Dynamic Evaluation
- Various Dynamic loads in Plant Industry
- Inputting the Dynamic loads in the CAESAR II methodology for analysis
- Reviewing of the Analysis results based on the Codes & Standards