

Aryatech Training Program On Staad Pro Software



**Sustainable Practices
for Business Growth**

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Introduction

Aryatech provides the training for Staad Pro Software training session of 3 days. The training session provides a broad overview of the software and show new users where to find answer of questions and how to get started. The later session goes into more details and show users how to solve specific problem.

The Software access will be provided to the candidites on the training period for practise.



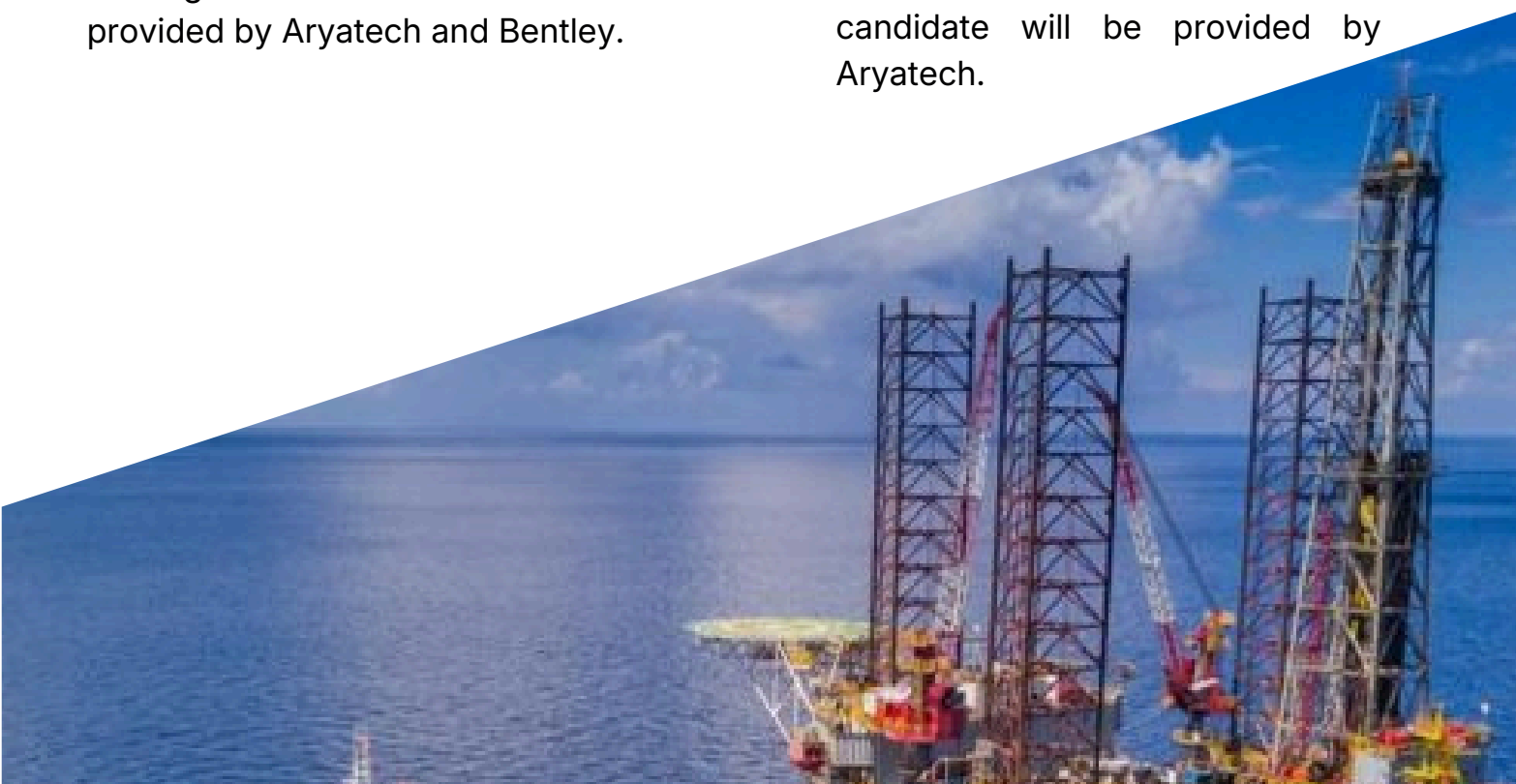
Certification and Training Material:

➔ Certification

Upon the Completion of training, training certification will be provided by Aryatech and Bentley.

➔ Training Material

Software access and Training Material to each individual candidate will be provided by Aryatech.



Staad Pro Training Program

1. Staad Pro TRAINING SCHEDULE

1.1 Introduction

- Introduction of Bentley software's
- About Staad.Pro and Applications
- Application in Industry University
- Traditional Structural Analysis vs. MODERN approach
- By HAND Vs. By computer
- STAAD Module Orientation
- Analysis capability and International Code support
- 3rd part integration support
- GUI Quick overview
- Model Generation Techniques
- Command File editor info
- Built-in info order
- Load types and Generation
- Model Verifications
- Adv. Analysis capability
- Result verification and post processing
- Design code-RCC and Steel
- Report customization

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1.2 Solving Method

- Solving Approach
- How to start STAAD.Pro V8i
- Navigating STAAD.Pro V8i GUI
- Configuration & Settings
- Unit and Code configuration
- Back Up Manager
- Opening and Saving Projects
- Archiving Projects
- Overview of Structure
- Status Bar details Hierarchy Managing
- Understand the different component of GUI
- VIEW Controls

1.3 Geometry Operations

- Renumbering
- Importing CAD Files
- Details About Grid systems in STAAD.
- Types of Structure and Methods
- Types of Element
- Mode of Structure

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- Creating Geometry for Structure
- How to create Beam /Column
- Structure Wizard
- Structure Wizard Model and STAAD Transfer
- Modifying Geometry for Structure Copy /Copy-Link/Rotate/Mirror etc)
- Add Mid points
- Add Perpendicular intersection beam
- Cut Section
- Stretch /Split BEAMS
- Hot spots
- Fill Plates
- Different Viewing Controls for Structure Geometry

1.4 Boundary Conditions & Properties

- Properties of beam/column
- Display properties
- Rendering
- Steel profiles
- Material + CROSS SECTION
- Beam and column end offset + adv. options
- Beta orientation control
- Assigning method

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- Types of support
- Material Assignment
- Material creation

1.5 Load Types

1.5.1 Load case

- Defining Load case
- Dead Load defining
- Imposed Load defining (LIVE)
- Point Load
- UDL Load
- Floor Load
- Area Load
- Wind Load –IS Code based
- Seismic Load-IS Code based
- Load combinations
- Auto LOAD Combinations
- Envelopes

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1.6 Post-Processing

1.6.1 Analysis Outline

- Analysis/Print
- Nodal Results
- Beam/Plate Results
- Analysis report formation
- Internal Hinge
- User Customized
- Bracing with Truss or Tension Members
- Building with Flat Slab & Shear
- Transfer Force for Connection Design
- Projects

1.7 RCC Design & Analysis

- RCC Design and Analysis
- Loads and Repeat Load case for RCC
- IS RCC Codes and STAAD.Pro
- Projects

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1.8 Slab Design & Analysis

- Slab Design and Analysis
- IS CODE Check
- Approach

1.9 Modal Analysis

- What is Modal Frequency or fundamental Frequency
- Necessary for conducting Modal Analysis
- Parameters need to check after Analysis



Contact Us



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