

Course Description: Join our Professional Tekla Structure course training in Dubai, available both in-person and online. Learn the essential skills and techniques to model sophisticated 3D structural models using Tekla Structures software. Whether you're an absolute beginner or an experienced professional seeking to upskill, our intensive program sets you up for success in structural engineering field. Get hands-on experience and become proficient in this industry-standard BIM software.

TEKLA STRUCTURE

Module 1: Introduction to Tekla Structure

- Overview of Tekla Structure software
- Understanding the user interface and navigation
- Introduction to essential tools and functionalities

Module 2: Basic Structural Modeling

- Creating basic structural elements such as beams, columns, slabs, and foundations
- Modifying and manipulating structural elements
- Applying properties and material assignments

Module 3: Advanced Modeling Techniques

- Parametric modeling and assemblies
- Creating custom components and templates
- Using intelligent modeling tools for complex geometries

Module 4: Analysis and Design

- Introduction to structural analysis in Tekla Structure
- Applying design codes and standards
- Optimizing structural elements based on analysis results

Module 5: Detailed Drawings and Documentation

- Generating plans, sections, and elevations
- Adding annotations, dimensions, and symbols
- Creating fabrication and erection drawings, including shop drawings and part lists

Module 6: Clash Detection and Coordination

- Clash detection tools and techniques
- Resolving clashes between different structural elements
- Enhancing coordination and collaboration with other project disciplines

Module 7: Collaboration and Communication

- Project collaboration features in Tekla Structure
- Sharing models and managing project data
- Communicating design changes and revisions with project stakeholders

Module 8: Advanced Features and Customization

- Customizing Tekla Structure through macros, scripts, and plugins
- Automating repetitive tasks for increased productivity
- Exploring advanced features and specialized functionalities