

Training Content

Tekla Structures _Basic Training _ Steel

Day -1: Introduction, Basic modelling tools & commands

- Introduction Tekla Structures software (Create new model & user Interface)
- Entering Project Properties
- Open model/Save As/Opening single-multi user models
- Create 3D view & View properties, Work area
- Place Grids & Grids properties (Creating single line grids, Radial Grids)
- Snapping Tools – Numeric snapping/Temporary reference point
- Input steel Members – Beam/ column/ Twin profiles/ Plates
- Create Plan & elevation views (Create Views on Grid Lines, Basic view, on plane etc, View list)
- View Display Properties
- Point creation, construction circle & Construction line commands
- Selection switches
- Measuring Tools
- Introduction to Tekla online services

Practice

Day -2 Create Basic Frame Model & Modification tools

Recap of commands

- Create of Basic Frame Model as per Exercise
- Split, combine members
- Move/copy/mirror/Direct modification
- Using of Clip planes
- Detailing commands – Fitting/Line cut / Polygon cut/ Part cut
- Work Planes
- Adding welds & weld properties
- Placing bolts & Bolt properties – slotted holes/ circular bolt group/Edit bolt parts/ Inquire bolt parts
- Inquire assembly, part, bolts, and welds
- Clash check

Training Content

Day -3: Components

- Application & Components
- Input end plate/fin plate/ clip angle components
- Input Base plate & Bracing components (Rolled, Built up, Piping)
- Misc. components – Stiffeners/ lifting lug/ Hole generation/ Seating/Stairs etc.
- Create Default Views of Part/Component
- Introduction to custom components & Create Fixed component
- Select Filters & View filters
- Significant of Shift & Ctrl, Select only Selected , Hide
- Add to Assembly, Remove from assembly, Set as new main part assembly

Practice

Day -4 Numbering & Reports

- Concepts of Numbering
- Numbering Settings
- Define Numbering Series
- Perform Numbering
- Creation of various reports
- Organiser
- Introduction to Template
- Introduction to Interoperability

Practice

Day -5: Basic drawings tools

- Integration between model & drawing
- Types of drawings
- Drawing list
- Creating GA drawings
- Three levels of drawing editing properties
- Views From model /From Drawing
- Editing GA Drawings (Dimensions, Sections, Detail views)
- 2D library
- Excel Import & Text from Text file
- Creating Assy. Drawing & Properties
- Add weld mark & level mark, Symbols
- Creating single Part Drawing & Properties
- Creating Multi Drawing
- Updating/Revising Drawings
- Export Drawings (Print & Plot Settings)

Practice