



Let's Reach For Excellence!

TAN DUC INFORMATION TECHNOLOGY SCHOOL JSC

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NAVISWORKS ESSENTIAL

Duration: 12 hours (6 sessions)



COURSE OUTLINE

1. THE NAVISWORKS FILE SYSTEM

- The three Navisworks versions
- Navisworks file types
- Opening files directly
- Exporting from Revit to Navisworks
- Appending and merging models

2. NAVIGATING IN A MODEL

- Looking at the navigation bar
Walking through your model
- Rotating your model with the Orbit tool
- Looking around your model
- Using the Gravity tool
- Using the ViewCube

3. WORKING WITH VIEWPOINTS

- Saving a viewpoint
- Choosing render styles
- Changing the background
- Slicing your model using sectioning
- Getting rid of lines and text

4. THE REVIEW TAB

- Getting measurements
- Finding the shortest distance between objects
- Creating redlines

5. DEALING WITH OBJECTS

- Selecting objects
- Overriding color, transparency, and a transform
- Hiding and turning on objects
- Moving items 5.5 Rotating items
- Scaling items
- Adding links

- Viewing properties and adding fields
- Switching back to Revit
- Holding objects

6. SORTING AND GROUPING

- The Selection Tree
- Finding items
- Saving selections as a set
- Using the Quick Find tool
- Using the Selection Inspector

7. CLASH DETECTION

- Creating a clash test and setting rules
- Selecting objects to clash and adding clearances
- Running the clash
- Resolving and reducing clashes
- Grouping and assigning clashes
- Creating reports: Viewpoints
- Creating reports: HTML

8. THE TIMELINER

- Configuring appearances
- Creating tasks
- Adding selection sets to a task
- Adding multiple tasks and running the movie
- Simulating settings
- Exporting the TimeLiner
- Adding a data source

9. QUANTIFICATION

- Setting up your workbook
- Dragging items to the workbook
- Taking off the entire model
- Exporting the takeoff

10. PRESENTING, ANIMATING, AND EXPORTING

- Animating saved viewpoints
- Animating objects
- Creating a scrip

11. RENDERING

- Adding lights
- Adding materials
- Adjusting the sun
- Rendering
- Appearance Profiler