

ROBOGUIDE AGENDA FOR TE TRAINING



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14.0 TEACHER TRAINING: ROBOGUIDE IMMERSION COURSE

April 8th, 2022

Campana Center for Ideation and Invention

PC108 and AT161

8:00am-4:30pm

Prerequisite: Complete FANUC Handling Pro eLearning module.

What to bring: FANUC America Roboguide/HandlingPro Intro Plus Robot Simulation Manual, 14.0 Training notebook that was provided in your last session. A computer will be provided for the labs with the appropriate software.

AGENDA

Morning – Start in PC108

1. Launching Roboguide license manager
2. Launching Roboguide application
 - a. Pros of Roboguide
 - i. Handling Pro, WeldPro...etc.
 - ii. Tool vs Pro in regards to software
 - b. Overview of main screen
 - c. Navigation
 - d. Using Roboguide with physical iPendant vs virtual iPendant
 - e. Opening an existing work cell
 - f. Creating a new work cell
3. Creating a work cell from scratch
 - a. Process Selection
 - b. Workcell Name
 - c. Robot Creation Method
 - d. Robot Software Version
 - e. Robot Application/Tool
 - f. Group 1 Robot Model
 - g. Additional Motion Groups
 - h. Robot Options
 - i. Cert Cart Options
 - i. Summary
 - j. Initial Start

4. Navigation in workcell
 - a. Keyboard shortcuts
 - b. Mouse commands
 - c. Menus
 - d. Toolbars
 - e. Saving
 - i. save
 - ii. save as
 - iii. compressed files
 - f. Virtual iPendant
 - i. Refresh rate
5. Overview of Virtual iPendant
 - a. Basic Navigation
 - b. Jogging
6. Adding EOAT to robot
7. Adding Fixture
8. Adding Parts
9. Experiment with newly created workcell
 - a. Save using the three different formats
 - i. Changing workcell path to "C" drive
 - b. Show locations of saved files
 - i. My workcells
 - ii. Workcell Backup
 - c. Reopen saved workcell
 - d. Jogging in workcell with virtual iPendant
10. Launching an existing workcell
 - a. Cert Cart Example
11. Using Physical iPendant
 - a. Overview of iPendant
 - i. Why we use it
 - b. How to select in Roboguide
 - c. Overview of setup
 - i. Refresh rate
 - d. Tips and Tricks
 - i. Mirroring physical iPendant screen
 - e. Order of operations
 - f. What to do if switching from virtual to physical iPendant when Roboguide is running

Optional/ If time permits:

1. Walkthrough of creating a simple program in Roboguide
2. Creating simple programs on Cert Carts

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