

Course Name : *Plant Simulation*

Course Duration : 40 Hrs.

Description

In this Process Designer Basics course, students explore the Plant simulation ability to directly view nodes from the product tree, operation tree, or resource tree.

Basics Prerequisites

Know how to use a mouse. Previous experience with a 3D CAD system is also recommended.

Contents

- Simulation of robots and handling equipment
- Pick and place
- Blocking angle
- Assembly with pick and place
- Warehousing and Procurement
- Virtual warehouse
- Sort by method
- Storage crane
- HBW-WMS WITH SQLite
- Simulation of Workers
- Worker assembles part
- Troubleshooting depending on the nature of the failure
- The fluids library
- Fluids –multi tank system
- 2D and 3d Visualization
- Icon editor
- Integrate energy consumption and costs
- Basics of energy consumption
- Statistics
- Jobs per hours
- HTML REPORT
- Data exchange and interfaces

