



राष्ट्रीय प्रौद्योगिकी संस्थान वारंगल  
National Institute of Technology Warangal  
An Institute of National Importance

**SIEMENS**  
Ingenuity for life



3D Engineering

**ADVANCE MANUFACTURING LAB**

**NITW SIEMENS CENTRE OF EXCELLENCE, NIT WARANGAL**

**Course Name:** *Plant Simulation –ADVANCED LEVEL*

**Course Duration:** 40 Hrs.

### **Description**

In this Plant Simulation Advanced course, students explore the Plant simulation ability to directly view nodes from the product tree, operation tree, or Resource tree.

### **Basics Prerequisites**

Previous experience with a NX CAD -3D CAD system

### **Course contents**

- Learning about the AGV and AGV Track
- Learning about the upper cranes
- Layout of factory and building the factory
- Usage of seven axis Robot
- Usage of cross sliding car
- Usage of gantry loader
- Usage of lift
- Usage of vehicle lift
- Learning about VSM Object
- Learning about VSM Tools
- Learning about the transport
- Designing of smart factory in NITW- CoE