



## **AUTOMATED INVENTORY MANAGEMENT SYSTEM**

In this project, we have taken an example of a plant in which there is the manufacturing of various products. These products, categorized into 9 different categories, are arranged automatically in a vertical storage system. The final product is stored in containers having RFID tags for different categories. The location of storage containers in the vertical storage system is defined by these RFID tags. Initially, a conveyor brings the storage container to the area of vertical storage where it is picked by a clamping tool. Here the location code is recognized and the item is placed in that particular location.

### **Technology Used:**

1. Programmable Logic Controller
2. Servo Drive
3. Human Machine Interface
4. RFID Sensors