

Objectives:

- To further our understanding of the fundamentals of Electrical Engineering through the exposition to new concepts in the disciplines of Electronics and Microcontroller Programming.
- To construct a fully-automated, controllable conveyor system

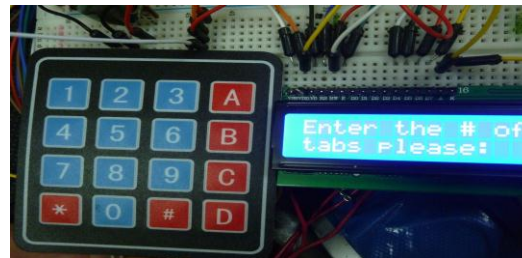
Description:

This project is a conveyor system designed to facilitate and fully automate the process of filling up bottles with tablets or pills according to an input provided by the user.

Key Components:

- Conveyor Belt
- Arduino Microcontroller
- Tablet Supply Unit
- Motion Sensors
- Input Keypad
- Interactive LCD

Operation and Results:



Step 1: Enter the # of Tabs

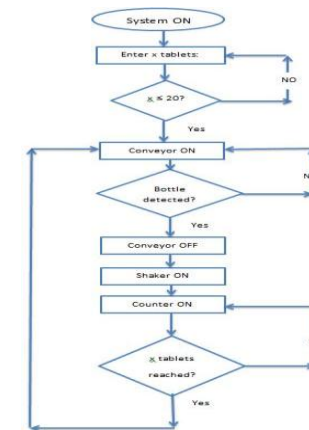


Step 2: Fill up the Bottles

Conclusion:

An Arduino microcontroller-operated conveyor system that accepts an input from the user and operates accordingly has been constructed in this project.

Flow Chart:



Block Diagram: