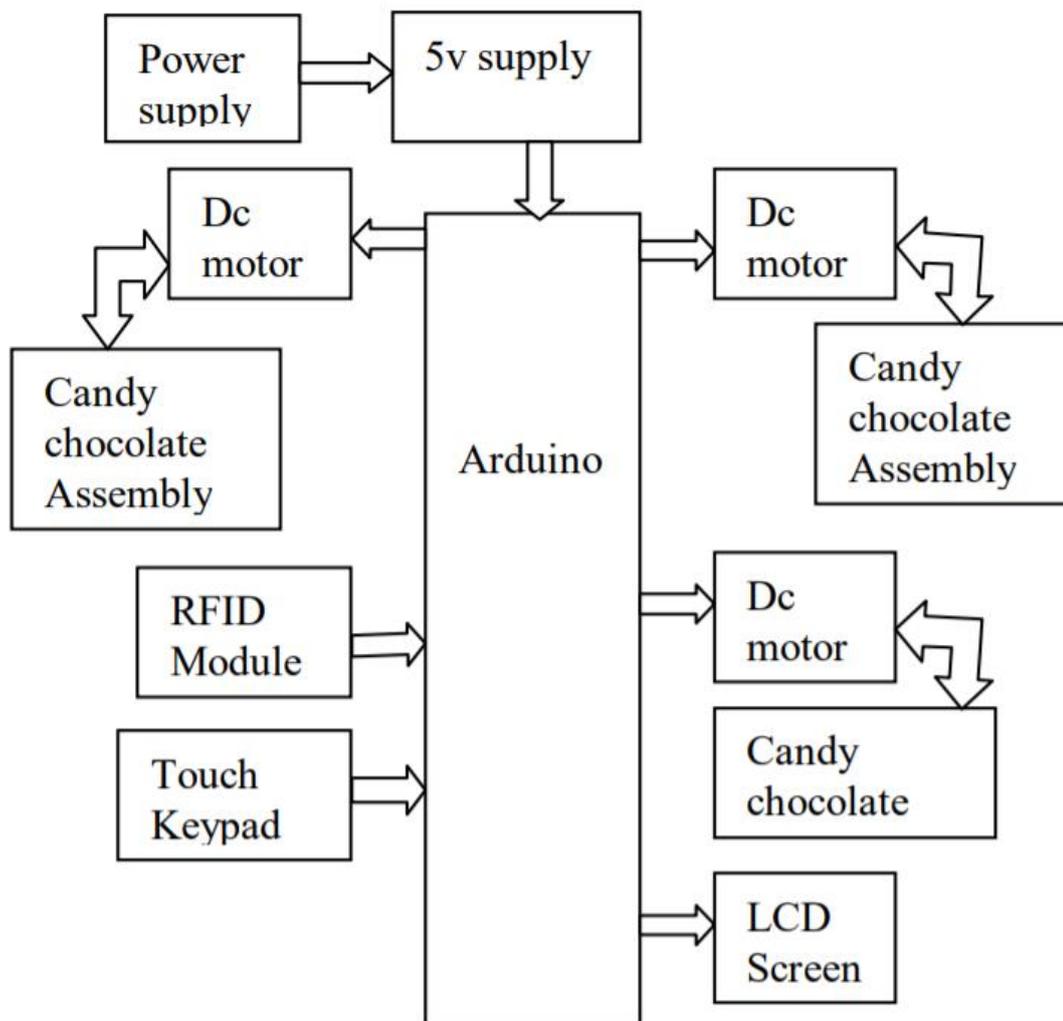# Chocolate Vending Machine

Introduction :

A vending machine is an automatic machine that sells different types of food such as canned soups and packaged sandwich, snacks such as potato chips, chocolate bars, candy, hot drinks, cold drinks; or other items such as newspapers when coin is inserted. This machine can be implemented in different way by using processor or controller. After paying amount, a product may become available to user by the machine releasing it. Some product need to be prepared to become available. But in previous microcontroller based vending machine problem may occurred by using coin recognize unit. Suppose if product cost are Rs.5 And user inserted Rs.10. Then remaining cash is not return from machine. They require building more complex circuitry. So in our project we use RFID along with Arduino controller to reduce the problem of change of money. The Sweetmeat Automatic Delivery Company was founded in 1887 in England as the first company to deal primarily with the installation and maintenance of vending machines. One of the most common forms of vending machine is the snack machine, it uses a metal coil. When coil is rotated product are available at the output. The main example of a vending machine giving access to all users after paying for one item is a newspaper vending machine found mainly in the U.S. and Canada. After a sale the door automatically returns to a locked position A customer could open the box and take all the newspaper or, for the benefit of other customers, leave all of

the newspaper outside of the box, slowly return the door to an Unlatched position, or block the door from filly closing, each of which are frequently discouraged, sometimes by a security clamp. Generally in market it is found that products are vend as per regard to the customer desire, this machine helps to dispense as per necessary. It is user friendly and very simple in operation.

Block Diagram :

Conclusion :

This automatic chocolate vending machine offer variety of product as well as many different types of payment option. In the recent time use of digital is increasing day by day due to their accuracy and feasibility. Due to time saving feature people can use vending machine in busy area like airport, bank, office etc. This system is portable, affordable, consumes less power and can be made easily available so that the user can use this system whenever and whatever.