**ALGORITHM**

1. Configure PORT A as input and PORT B ,PORTE,PORTD as output.

2. Initialise LCD.

3.Enable serial communication and enable transmission.

4.Accept the price limit from the customer.

5. If pulse is obtained on D0 pin,then bit=0; else if pulse is obtained on D1 pin then bit=1.

6.Compare the last bit of tag id for identifying the scanned product and display the information if that product on LCD.

7. Display the total bill amount on LCD.

8. If bill amount exceeds the entered price limit then the buzzer turns on.

9. If 2 is pressed for long time,the scanned product entry will be deleted and its price will be subtracted from the bill amount.

10. If 1 is pressed for long time the total bill will be sent to hyperterminal wirelessly with the trolley number.