Vending Machine

The installed vending machine accept notes of four denominations only i.e., ₹5, ₹10, ₹20, ₹50.

1) The inputs and outputs of machine

Inputs :-

1) **User selection** :-
The product selection made by the user using the selection button

2. **Coin inputs.**
Coins of different denominations (5, 10, 20, 50) inserted by user

3. **Cash change Requests**
If the user overpays or requests change, this input is generated.

Outputs

1) **Product Dispensing**
The vending machine dispenses the selected product as an output

2) **Change Dispensing** :- If the user overpays or requests change, the

machine dispenses change in the form of coins.

3) **Display information**

Information displayed on the machine's screen, such as product prices, transaction details, and messages to the user

4) **Audible Feedback:**

Some vending machines provide audible feedback, such as beeps or tones, to confirm selections or transactions.

5) **Status Lights/Indicators:**

LED lights or indicators to signal the status of the machine (e.g., "Sold out" or Insert money)

6) **Cash collection**

Collected money is stored inside the machine.