HOT BEVERAGE VENDING MACHINE

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SYNOPSIS

A commercial beverage vending machine lets the user select his /her coffee/tea and pay, lacking the users to experience the customizable options according to their need. These machines use milk and coffee powder(foresay), these on the prolonged run can affect our health. The payment method may not always be user friendly. Our project HOT BEVERAGE VENDING MACHINE allows the user to have his beverage with actual (liquid)milk and decoction and provides the user to add flavours with customizable options in his drink. Through this project the user can now select the concentration of his/her coffee according to his need by varying the quantity of the milk and decoction and add flavour accordingly, which is not only customizable but also health friendly.

This project uses the RFID payment method, thus making it user friendly in places like schools, colleges and offices by not having any human interventions and saving the overhead cost. The HOT BEVERAGE VENDING MACHINE uses raspberry pi Pico, RFID card and scanner, buck boost converters, touch capacitors, TFT display, naming few of the main components used.

In conclusion this project widely helps the customer to choose and customize his personal drink, by selecting the concentration and flavour to his drink with a user-friendly payment method.
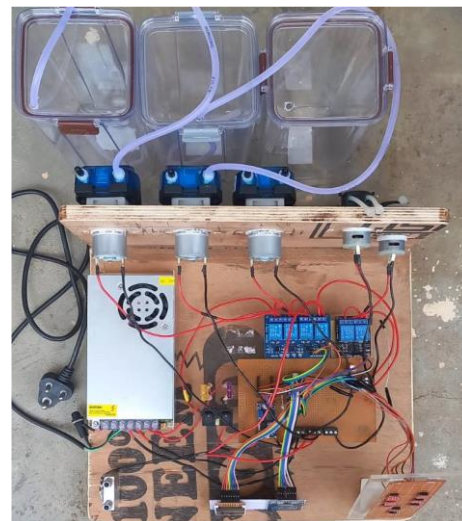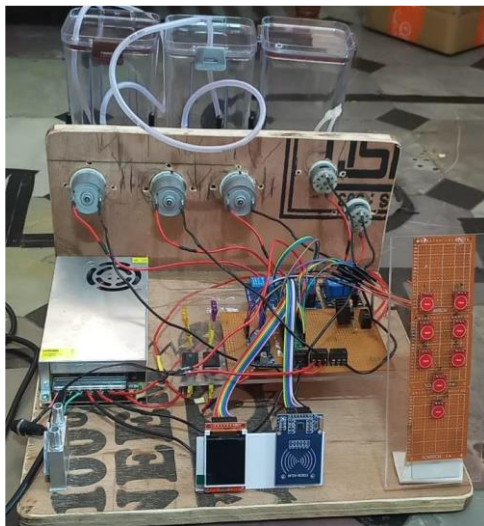

Fig. Front and Top view pf our project HOT BEVERAGE VENDING MACHINE