4. ☆ Coffee Vending Machine

Problem statement :-

There is a need for a machine which is automated and doesn't require manual operating to dispense coffee. The contents used should be uniform and the acceptance of payment needs to be handled in a secured manner. It should be extensible, reusable and modular.

SRS :-

① The vending machine must have money box, coin slot, display screen and products.

② the user should be able to select a coffee and machine should be able to dispense it.

③ there must be buttons for the user to interact with the system.

④ user places empty cup below filter. This shall be able to choose so prefered beverage.

⑤ system should be able to check the properly inserted coins.

⑥ coffee needs to be dispensed after a coin is inserted.

⑦ system should be able to accept coins of different amount and validate them.

⑧ system should be able to detect low amount of ingredients and low no. of cups and indicate with an LED.