

Washing Machine Controller

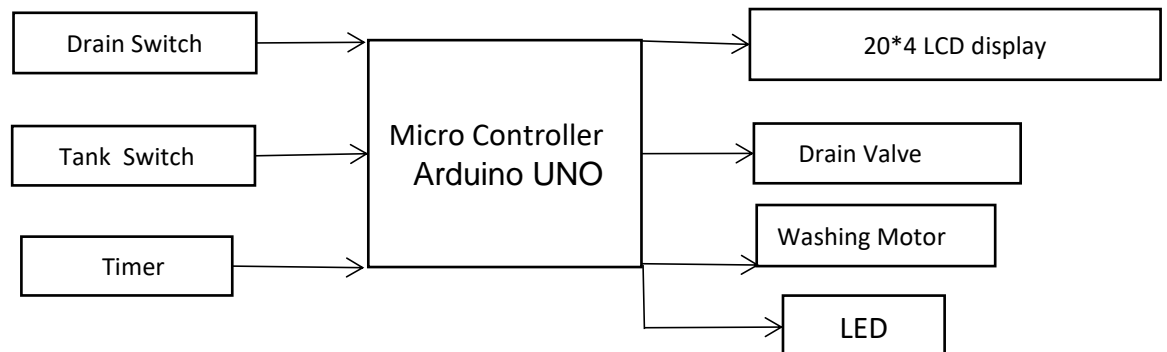
Objective: Design a Washing Machine Controller Using Arduino UNO

1. Check for the drain switch is closed or not, if it is open wait until all water drains out and then check the empty water tank switch.
2. If water tank is empty then is turn on relay to close the drain valve.
3. Ask user to set the washing timer value.
4. Run the washing motor till the timer time elapse
5. After completing the washing drain opens and after few minutes drain closes and it beeps indicating that the washing is completed.
6. During water draining buzzer beeps until the drain valve is again closed.

Display Machine status, timer setting etc on 20*4 LCD display

Components Required: Arduino UNO 20*4 LCD display , DC Motor, LED, Push buttons, potentiometer

Block Diagram:



Input and Outputs:

S.NO	INPUTS	OUTPUTS
1	Drain Switch	Drain Valve
2	Tank Switch	Washing Motor
3	Timer	LED
4		20*4 LCD display

Flow Chart:

