

Smart Water Management System

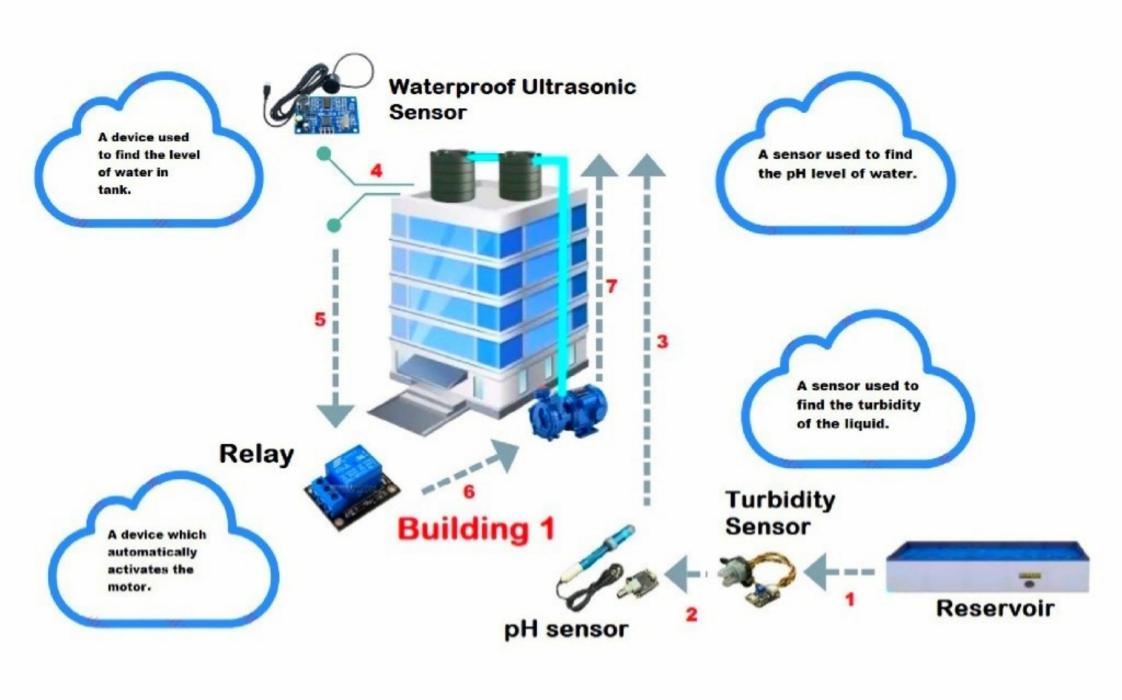


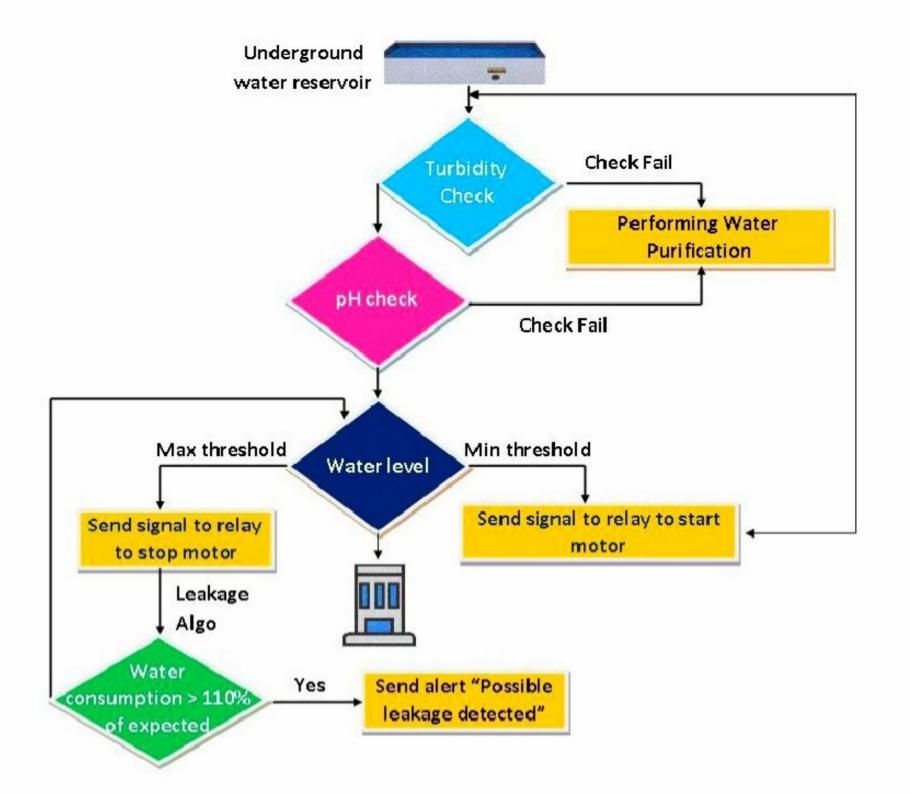
Group Members(G2)

- J_56_Shashank Agrawal (Leader)
- J_53_Ritik Srivastava
- J_48_Rahul Verma
- J_55_Shalini Kumari
- J_63_Tanisha Jain
- J_50_Ravi Rai
- J_65_Vaishnavi Chaurasia
- K_51_Vishal Jain
- J_49_Rakesh Yadav
- J_61_Suryansh Saxena
- J_67_Vanshika Agrawal
- J_54_Satyam Merothiya

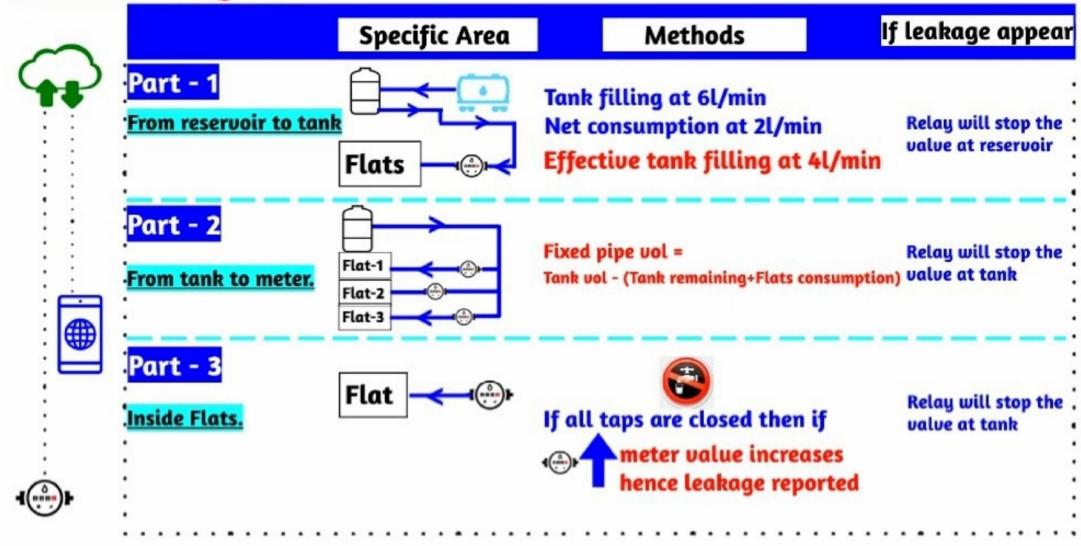


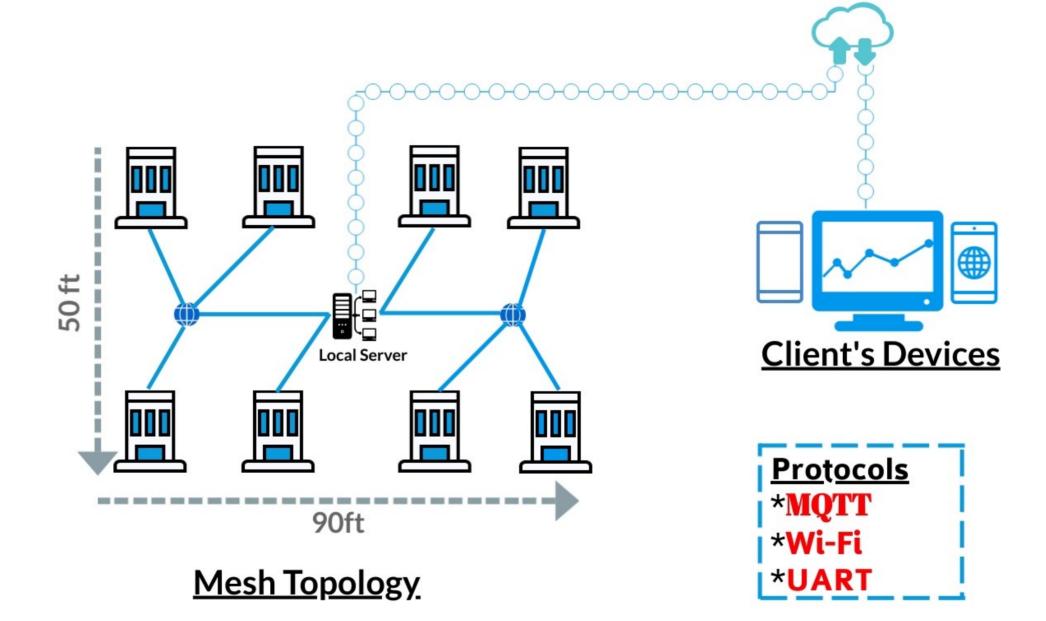


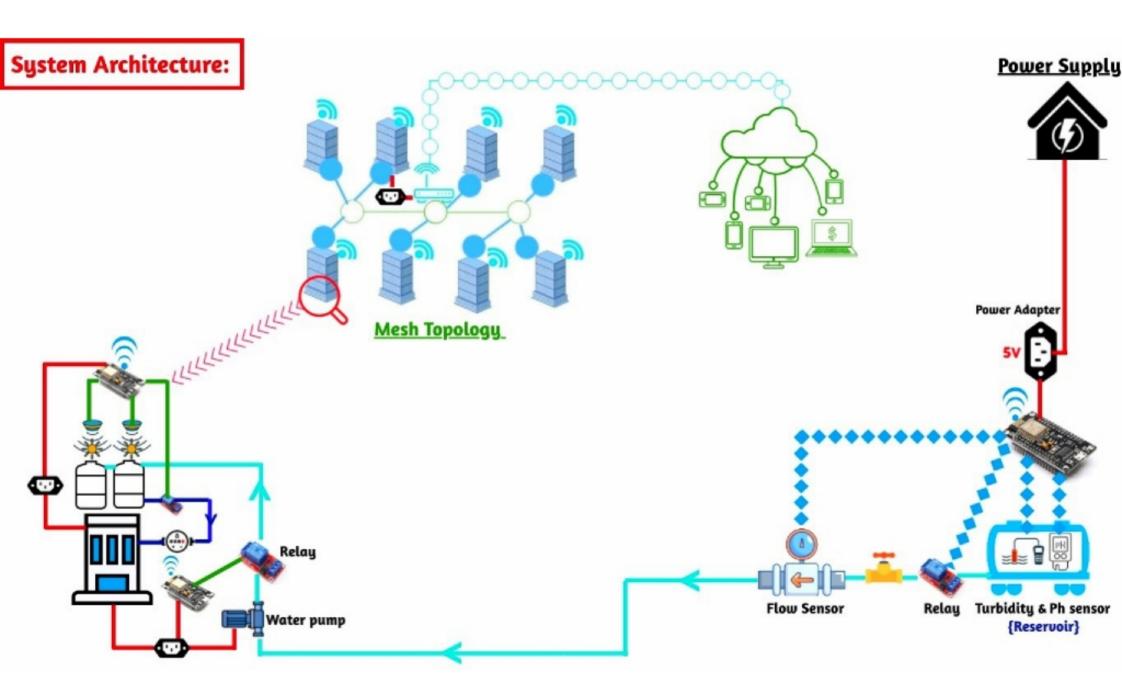




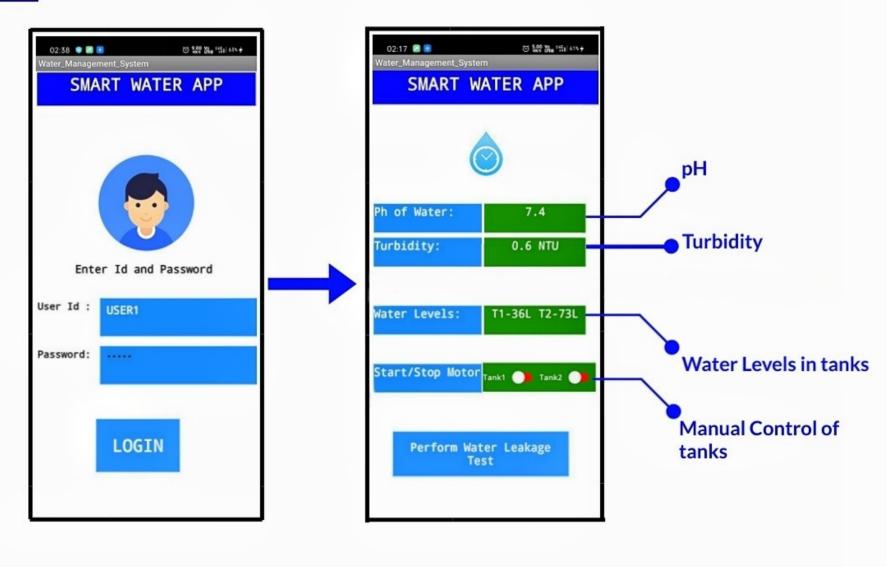
<u>Water leakage:</u>







SMART WATER APP:



Hardware Costing:

S.No.	Component Name	Price (Rs.)	Qty	Total Price (Rs.)	Life Span (yr)	Resources
1.	Ultrasonic Sensor	368	16	5888	1	<u>Link</u>
2.	Relay	40	17	680	1	<u>Link</u>
3.	NodeMCU	240	17	4080	1	<u>Link</u>
4.	PH Sensor	1765	1	1765	0.5-2	<u>Link</u>
5.	Turbidity Sensor	746	1	746	0.5-2	<u>Link</u>
6.	Flow Sensor	225	1	225	1-2	Link
7.	Adapter + USB	219	17	3723	1	<u>Link</u>
8.	Router	999	1	999	1-2	<u>Link</u>

Complete Costing:

S. No.	Requirements	Monthly charges (Rs.)	Yearly Charges (Rs.)
1.	Hardware	18106	18106
2.	Software (vultr)	187	2244
3.	Internet	69	828
4.	Electricity	100	1200
5.	Installation	600	600
6.	Maintenance	500	500
	Total	19562	23478

BENEFITS



Water quality is checked before supply



Never run out of water with Automatic tank filling





Early end to end leakage detection



Saves your water and electricity bills





Can be easily incorporated in existing infrastructure



Data on cloud for water consumption monitoring

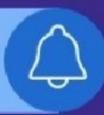




24*7 remote access



Real time notifications and alerts





Everything at your finger tip with complete visualization



Technology that is pocket-friendly



