

Project Design Phase-I

Solution Architecture

Date	10/10/23
Team ID	456
Project Name	Project - Smart Water Management

Example - Solution Architecture Diagram :

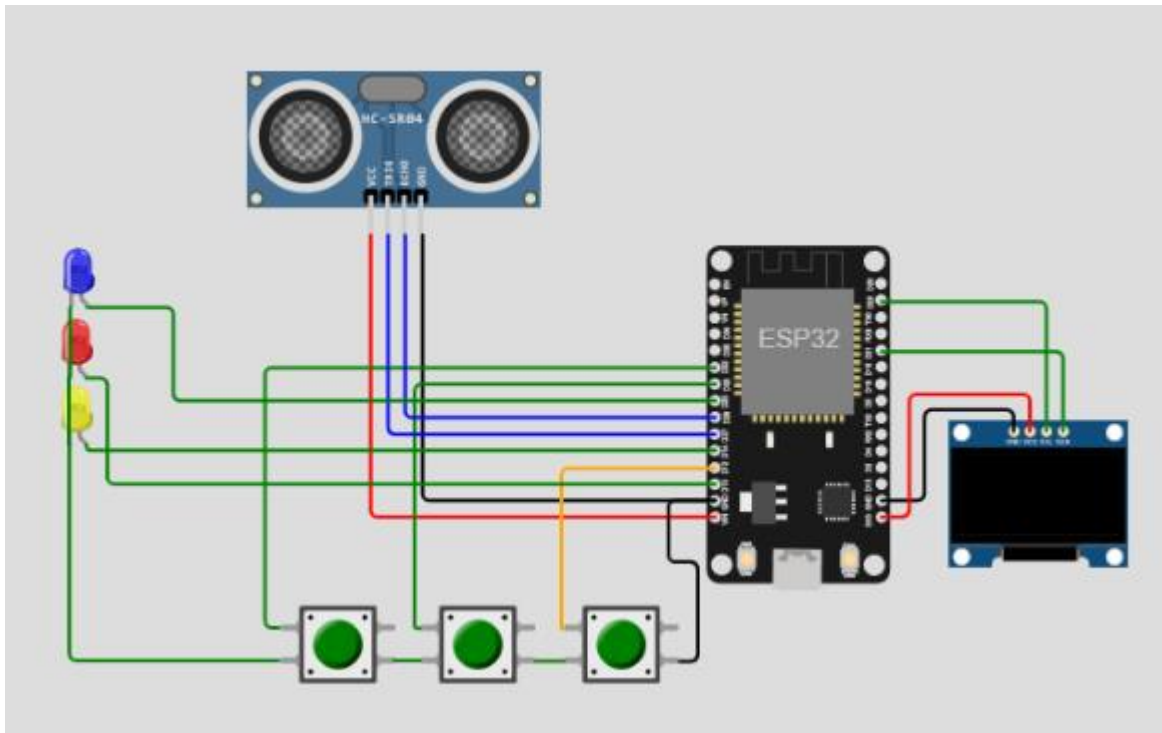


Figure : Block Diagram For Smart Water Management

Project Design Phase-2
Proposed Solution Template

Date	10/10/ 2023
Team ID	456
Project Name	4123-Smart Water Management

Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	any communities struggle with limited access to clean and sustainable water sources. The challenge is to develop efficient and innovative solutions that can help monitor, conserve, and distribute water resources effectively while minimizing waste and ensuring a reliable supply for both urban and rural areas.
2.	Idea / Solution description	Create a system that uses technology to track and control water usage in homes and businesses. This system can detect leaks, optimize water usage, and provide real-time information to help people use water more efficiently, thus conserving this precious resource
3.	Novelty / Uniqueness	Invent a smart device that automatically adjusts water usage based on real-time data and weather forecasts. This way, it optimizes water consumption by adjusting sprinkler systems and alerts users about potential leaks, saving water and promoting sustainable usage
4.	Social Impact / Customer Satisfaction	Ensure that people using the smart water management system are happy with its performance. This means they should find it easy to use, reliable, and that it effectively helps them save water and money while ensuring they have a consistent and clean water supply
5.	Business Model (Revenue Model)	Create a plan to make money while providing smart water management solutions. This involves selling smart water devices, offering subscription services for data monitoring and analysis, and potentially partnering with water utilities to improve their efficiency and reduce water waste in exchange for revenue or cost-sharing arrangements

6.	Scalability of the Solution	Ensure that our smart water management solution can easily grow and adapt to serve more people and areas without major complications. This means the technology should work well in both small and large communities, and we should be able to expand its reach without too much trouble or cost
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