SMART WATER FOUNTAINS

Project Objectives:

- The main objectives of this project include:
- Real-time monitoring of water fountain status.
- Efficient water usage to reduce waste.
- Detection of malfunctions in water fountains.
- Providing residents with real-time information about water fountain status through a public platform.

IoT Sensor Design:

- Plan to deploy various IoT sensors such as flow rate sensors and pressure sensors in public water fountains to gather relevant data.
- Consider the placement and number of sensors required for accurate monitoring.

Real-Time Transit Information Platform:

It seems there might be a mention of a transit-related platform in your description, but it doesn't align with the project's focus on water fountains. Please clarify if this is related to the project or if it's a separate item.

Integration Approach:

- Determine how the IoT sensors will transmit data to the water fountain status platform. This could involve wireless communication protocols like Wi-Fi, Bluetooth, or cellular networks.
- Consider using Python for data processing and integration between the sensors and the platform due to its versatility and libraries for IoT applications.