SMART WATER MANAGEMENT

Phase 1 : Problem Definition and Design Thinking

In this part you will need to understand the problem statement and create a document on what have you understood and how will you proceed ahead with solving the problem. Please think on a design and present in form of a document.

Project Definition :

The project involves implementing IoT sensors to monitor water consumption in public places such as parks and gardens. The objective is to promote water conservation by making real-time water consumption data publicly available. This project includes defining objectives, designing the IoT sensor system, developing the

data-sharing platform, and integrating them using IoT technology and Python.

Design Thinking :

1. **Project Objectives: Define objectives such as real-time water consumption monitoring, public awareness, water conservation, and sustainable resource management.**
2. **IoT Sensor Design: Plan the design and deployment of IoT sensors to monitor water consumption in public places.**
3. **Real-Time Transit Information Platform: Design a mobile app interface that displays real-time parking availability to users.**
4. **Integration Approach: Determine how IoT sensors will send data to the data-sharing platform**