Noise Pollution Monitoring

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 deploying IoT sensors to measure noise pollution in public areas and providing real-time noise level data accessible to the public through a platform or mobile app. The primary objective is to raise awareness about noise pollution and enable informed decision-making. This project includes defining objectives, designing the IoT sensor system, developing the noise pollution information platform, and integrating them using IoT technology and Python.

Design Thinking:

Design Thinking:

Project Objectives: Define objectives such as real-time noise pollution monitoring, public awareness, noise regulation compliance, and improved quality of life.

IoT Sensor Design: Plan the deployment of IoT noise sensors in various public areas to measure noise levels.

Noise Pollution Information Platform: Design a web-based platform and mobile app to display real-time noise level data to the public.

Integration Approach: Determine how IoT sensors will send data to the noise pollution information platform.

Assignment Notebook Submission

File Naming Convention: **IOT_Phase1**

After completion upload your file to your private GitHub account. Please give access to your faculty evaluators[facultyevaluator@gmail.com] and industry evaluator [IndustryEvaluator@skillup.online] to your private GitHub repository for evaluation process.