ENVIRONMENTAL MONITORING

Phase 1: Problem Definition and Design Thinking

The scope of this document is to identify the problem and find solution for park visitors and park management to receive real time Environmental Data.

Problem Definition:

1. The project involves setting up IoT devices in parks for people to make coming to parks convienient and encourage a healthy lifestyle.
2. The primary objective is to encourage outdoor activities for long time by monitoring climatic conditions and providing enough facilities in the parks like street lights.

Design Thinking Approach:

Having understood the above problem. We would designing a solution which would be able to solve the same.
An IoT based solution could immediately resolve the above issue.
- A right temperature and humidity sensor to steadily monitor climatic conditions in real time.
- It also requires a PIR motion sensor and ESP32 board model for building a smart street light which improves the quality of the parks.
- We will design a real time data monitoring through a web based platform.