**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:**

The project involves setting up IoT devices in parks for people to make coming to parks convienient and encourage a healthy lifestyle.

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:**

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.