**Phase 1 : Problem Definition and Design Thinking**

The purpose of the document is to identify the problem assigned to us and find solution for park visitors and park management to receive the real time environmental data.

**Project Definition :**

It has been identified that the visitors of the park were suffered a lot due to this following problems.

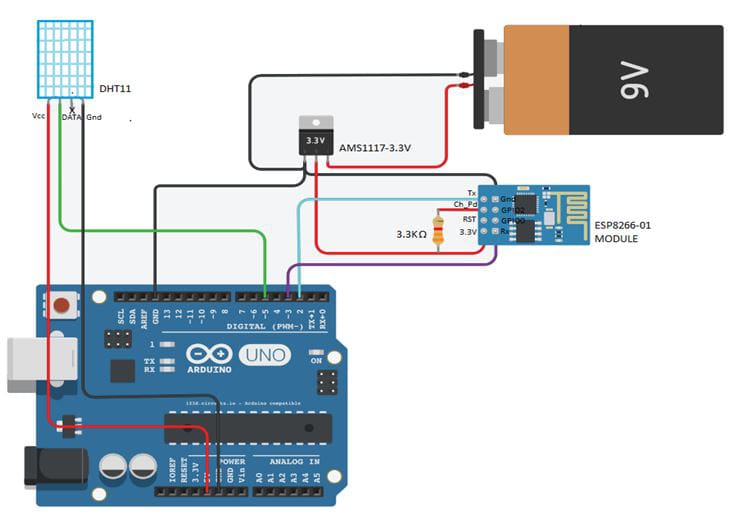
* The visitors of the park doesn’t get a proper idea of the particular day’s environmental conditions.
* So they didn’t able to plan their outdoors due to the environmental conditions like humidity and temperature.
* It also results in the poor park management and development of outdoor activities and campaigns.
* So it results in low satisfaction of visitors.

**Design Thinking :**

Having understood the problem statement , we can approach the solution by the designing idealogies.

* An IoT based solution to get notified the visitors about the environmental conditions such as Humidity and temperature.
* We can deploy the Temperature and Humidity sensor such as DHT11 or DHT20 for identifying the environmental conditions in parks.
* A pair of LED’s are used to get notification for attaining the fixed level of temperature and humidity suitable for outdoor plans.
* These components are connected with Arduino processor and with network connectivity for data transferring.
* This can be achieved by using ESP8266 module for cloud data transfer and it is notified to the visitors through an application for planning outdoor activities.

**CIRCUIT DIAGRAM :**

****