

ENVIRONMENTAL MONITORIING

PROBLEM STATEMENT FOR PHASE 2

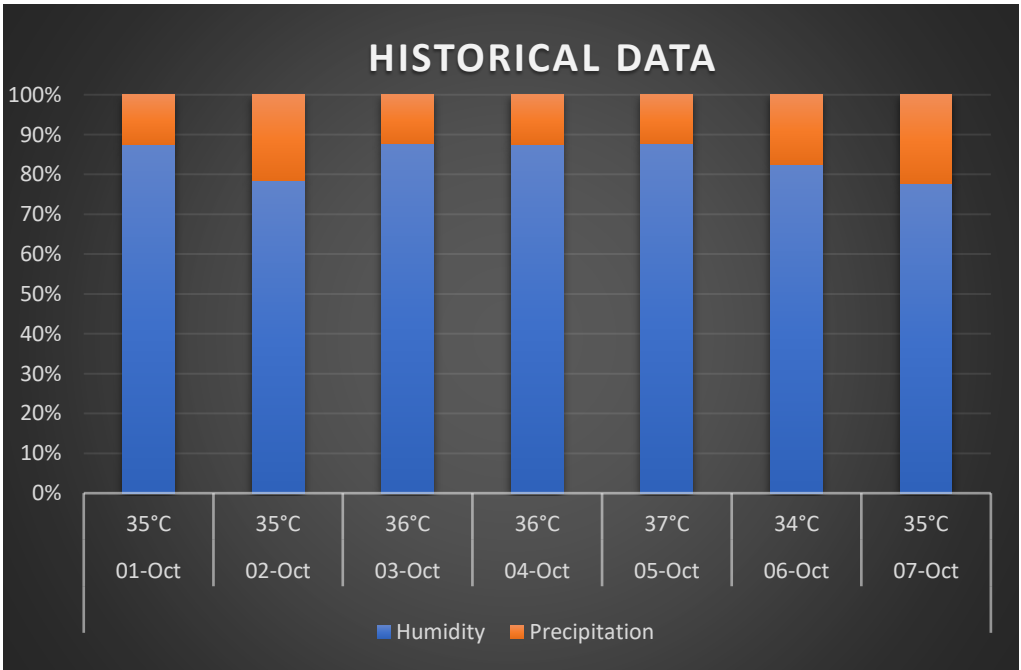
Consider incorporating **data visualization** techniques to showcase historical temperature and humidity trends in the Parks.

HISTORICAL TEMPERATURE, HUMIDITY TRENDS AND IN ADDED TO PRECIPITATION AND WIND SPEED.

This data denotes the need historical data of **GUINDY NATIONAL PARK** which contains the Temperature, Humidity, Precipitation and Wind speed.

Parks	Dates	Temperature	Humidity	Precipitation	Wind Speed
GUINDY NATIONAL PARK	01-Oct	33°C	94%	5%	12km/hr
	02-Oct	33°C	95%	8%	15km/hr
	03-Oct	32°C	94%	10%	10km/hr
	04-Oct	32°C	90%	7%	12km/hr
	05-Oct	33°C	85%	12%	19km/hr
	06-Oct	31°C	86%	10%	17km/hr
	07-Oct	32°C	97%	4%	18km/hr

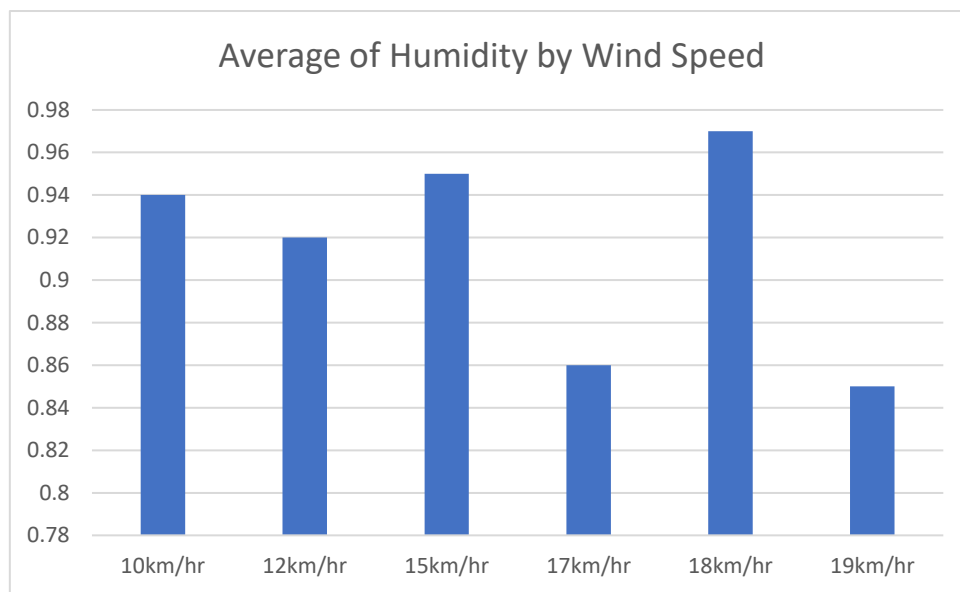
Graphical Representation



Data's for Wind speed and Average of Humidity

Wind Speed ▾	Average of Humidity
10km/hr	0.94
12km/hr	0.92
15km/hr	0.95
17km/hr	0.86
18km/hr	0.97
19km/hr	0.85

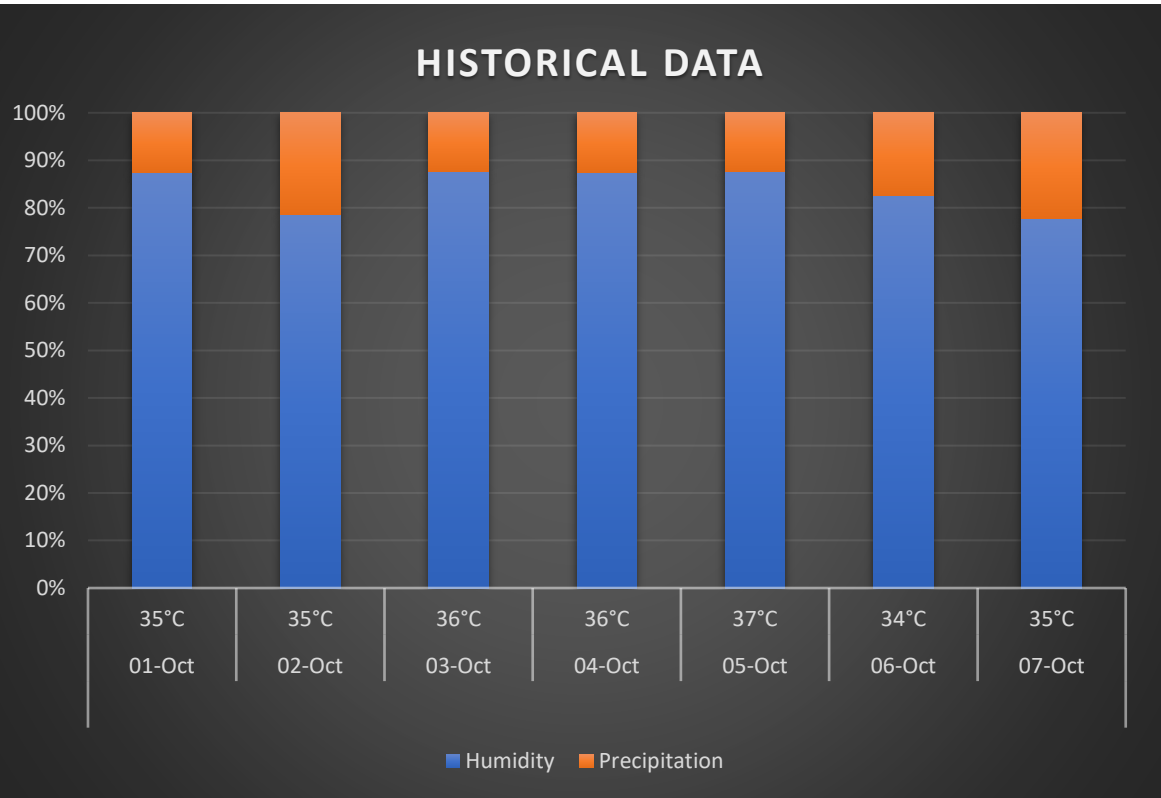
Graphical Representation



This data denotes the need historical data’s of **Dr. APJ ABDUL KALAM PARK** which contains the Temperature, Humidity, Precipitation and Wind speed.

Parks	Dates	Temperature	Humidity	Precipitation	Wind Speed
Dr. APJ ABDUL KALAM PARK	01-Oct	28°C	91%	5%	19km/hr
	02-Oct	31°C	72%	3%	15km/hr
	03-Oct	33°C	74%	10%	16km/hr
	04-Oct	28°C	75%	7%	15km/hr
	05-Oct	20°C	74%	20%	19km/hr
	06-Oct	33°C	75%	15%	17km/hr
	07-Oct	32°C	77%	10%	18km/hr

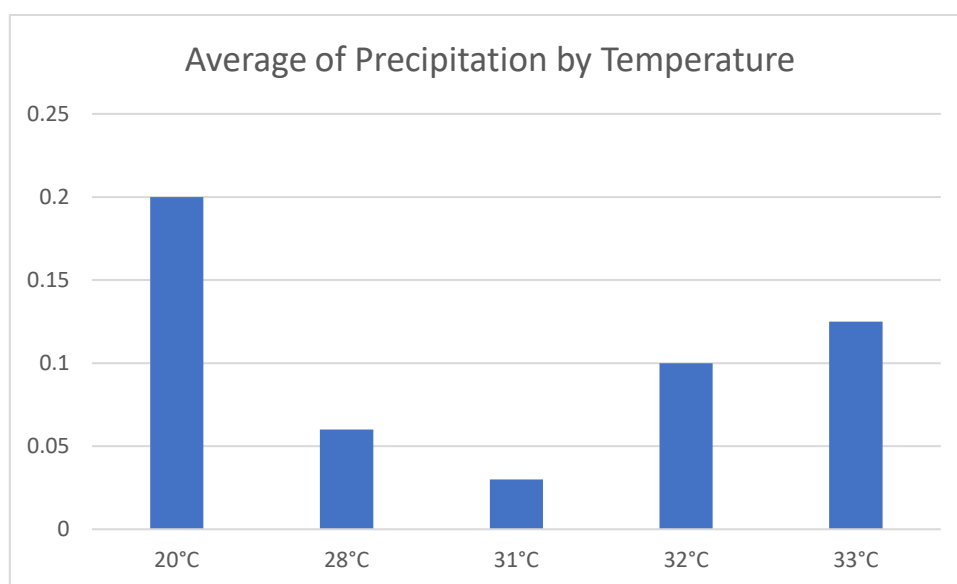
Graphical Representation



Data's for Wind speed and Average of Humidity

Temperature	Average of Precipitation
20°C	0.2
28°C	0.06
31°C	0.03
32°C	0.1
33°C	0.125

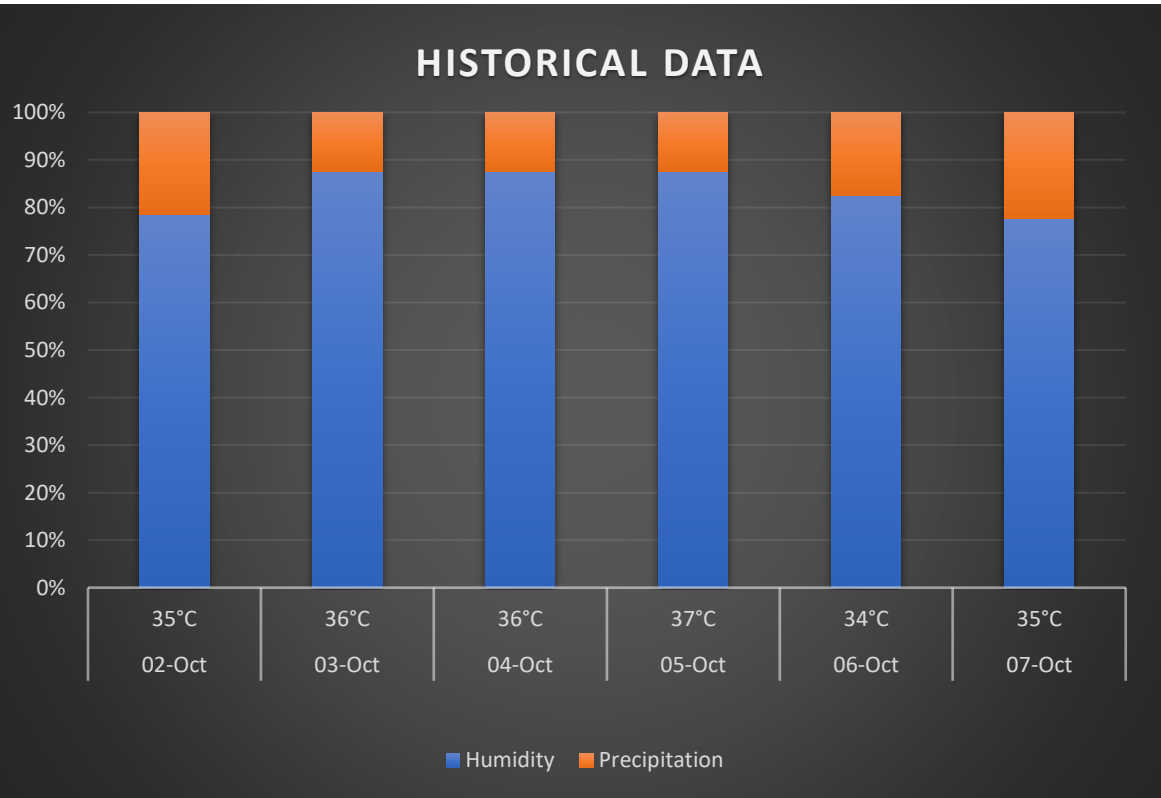
Graphical Representation



This data denotes the need historical data's of **AVADI LAKE GREEN PARK** which contains the Temperature, Humidity, Precipitation and Wind speed.

Parks	Dates	Temperature	Humidity	Precipitation	Wind Speed
	01-Oct	35°C	70%	10%	14km/h
	02-Oct	35°C	73%	20%	13km/h
AVADI LEKE	03-Oct	36°C	71%	10%	16km/h
GREEN PARK	04-Oct	36°C	70%	10%	19km/h
	05-Oct	37°C	71%	10%	19km/h
	06-Oct	34°C	71%	15%	18km/h
	07-Oct	35°C	70%	20%	16km/h

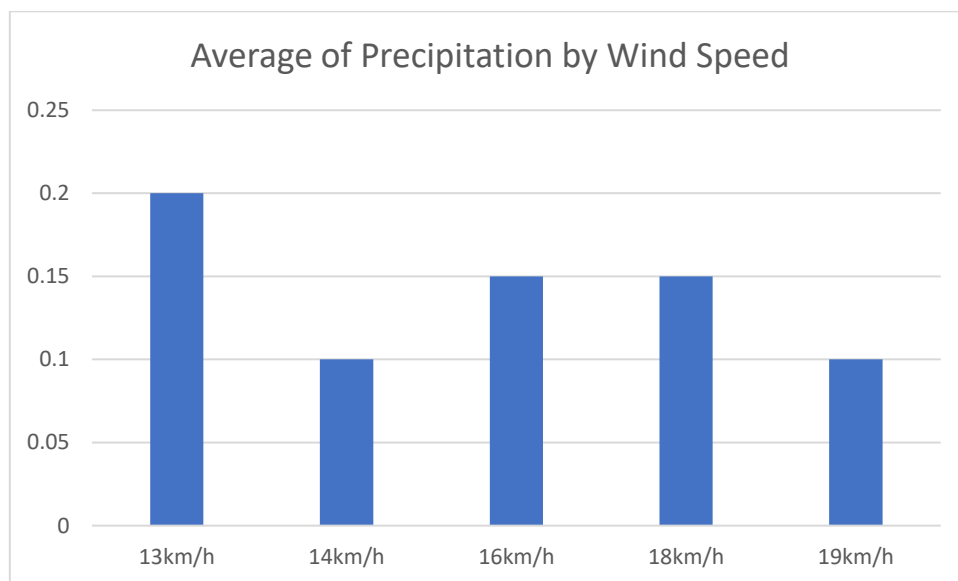
Graphical Representation



Data's for Wind speed and Average of Humidity

Wind Speed <input type="text"/>	Average of Precipitation
13km/h	0.2
14km/h	0.1
16km/h	0.15
18km/h	0.15
19km/h	0.1

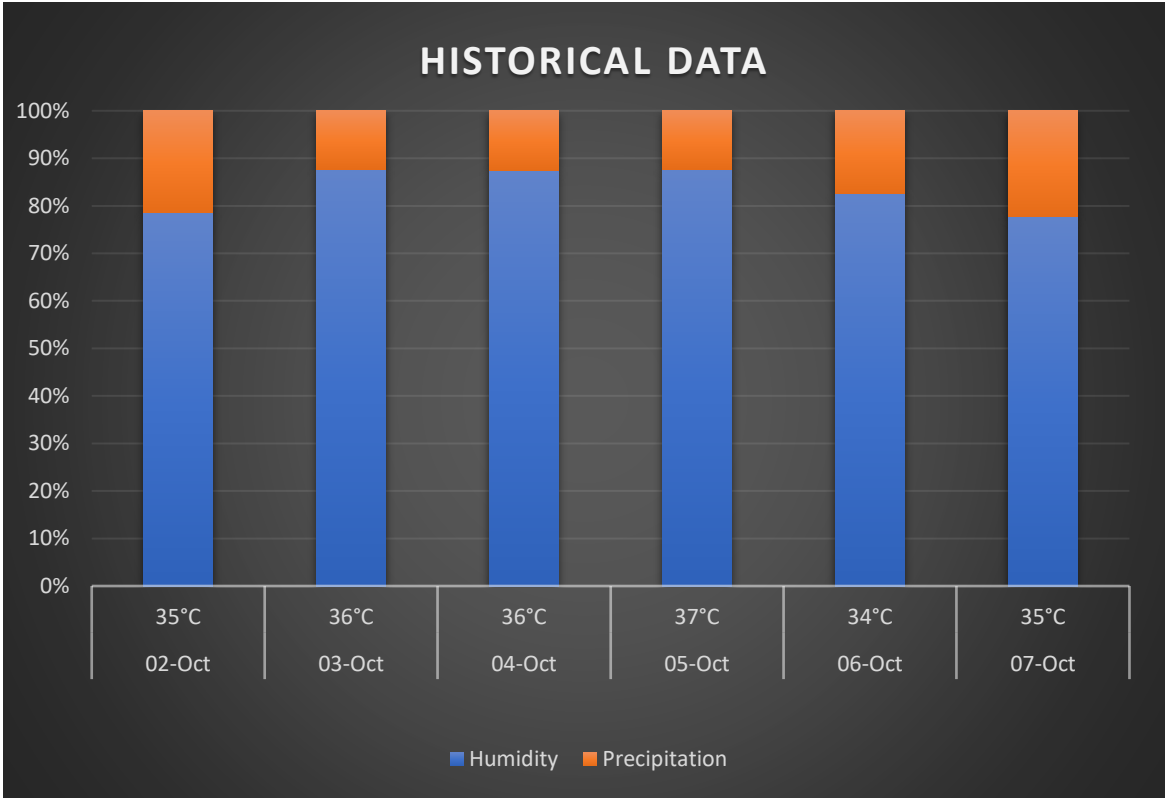
Graphical Representation



This data denotes the need historical data’s of **JEEVA PARK** which contains the Temperature, Humidity, Precipitation and Wind speed.

Parks	Dates	Temperature	Humidity	Precipitation	Wind Speed
JEEVA PARK	01-Oct	27°C	89%	16%	14km/h
	02-Oct	33°C	77%	10%	13km/h
	03-Oct	26°C	88%	14%	16km/h
	04-Oct	34°C	77%	18%	15km/h
	05-Oct	26°C	88%	14%	16km/h
	06-Oct	32°C	77%	18%	14km/h
	07-Oct	35°C	77%	10%	16km/h

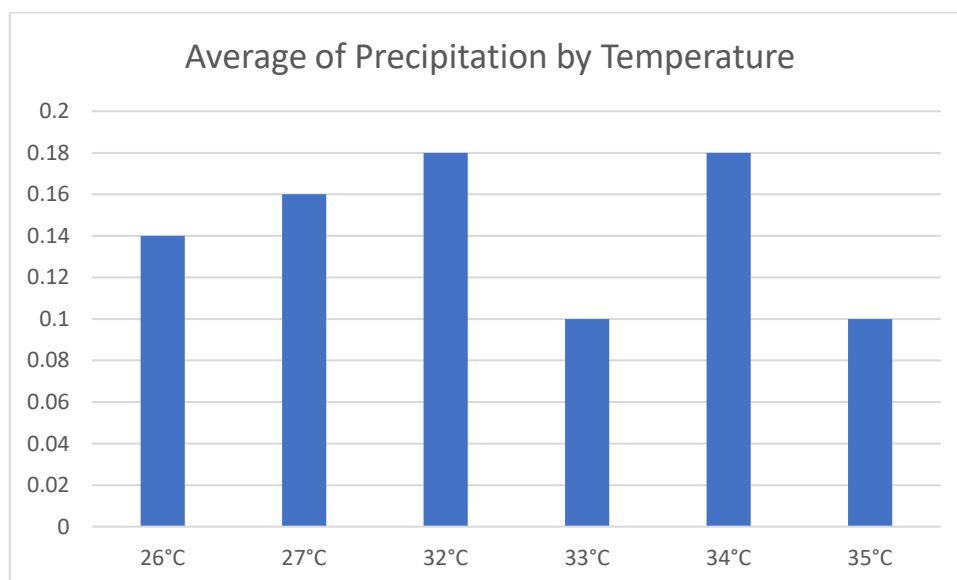
Graphical Representation



Data's for Wind speed and Average of Humidity

Temperature	Average of Precipitation
26°C	0.14
27°C	0.16
32°C	0.18
33°C	0.1
34°C	0.18
35°C	0.1

Graphical Representation



CONCLUSION

We had incorporated **data visualization** techniques to showcase historical temperature and humidity trends in the Parks and in added to Precipitation and Wind Speed.

We add the historical data for the main four parks which are in and around of Chennai afterwards it will inculcate it to the IOT Technology to measure their needs and threats which will be useful for the users to plan their outdoor activities.