

API Assignment

Tour de OAAR

Weather monitoring is very important in the context of an automated observatory. so as to protect the equipments of the observatory. Obviously, an optical telescope is useless under a cloudy sky, and furthermore, weather phenomena such as precipitation can damage the optics, the electronics and mechanical equipment.

We will be using real time data from any Weather API to monitor wind speeds, humidity, rain, temperature, daylight, dew point and cloud conditions and use the data to create a standard one-line weather.

Steps :

- 1) Choose any appropriate Weather API of your choice .
- 2) Receive and extract the data as per discussed in the class.
- 3) Display Cloud cover , Temp, Wind speed, wind direction, Visibility, Relative humidity, Precipitation or any other parameter you think is important for an automated Observatory.

Deadline - 25 June 2023 EOD.