

## PROJECT OBJECTIVES:



- ✚ Gain knowledge of Watson IoT Platform.
- ✚ Connecting IoT devices to the Watson IoT platform and exchanging the sensor data.
- ✚ Gain knowledge on Cloudant DB
- ✚ Creating a Web Application through which the user interacts with the device.

### Project Flow:

- ✓ Sending random pH values and turbidity values will be sent to the IBM IoT platform
- ✓ Sensors values can be viewed in the Web Application
- ✓ Notifies the admin the random values cross the threshold value

### To accomplish this, we have to complete all the activities and tasks listed below:

- ❖ Create and configure IBM Cloud Services
  - Create IBM Watson IoT Platform
  - Create a device & configure the IBM IoT Platform
  - Create Node-RED service
  - Create a database in Cloudant DB to store location data
- ❖ Develop a web Application using Node-RED Service.
  - Develop the web application using Node-RED
- ❖ Develop a python script to publish the location details to the IBM IoT platform

