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