PROJECT DEVELOPMENT PHASE

PROJECT DEVELOPMENT DELIVERY OF SPRINT 1

Date	04-11-2022
Team ID	PNT2022TMID08456
Project Name	Real-Time River Water Quality Monitoring and Control System
Marks	

ABOUT OUR TOPIC:

REAL – TIME RIVER WATER QUALITY MONITORING AND CONTROL SYSTEM

Internet of things (IoT) is an innovative technological phenomenon. It is shaping today's world and is used in different fields for collecting, monitoring and analysis of data from remote locations. IoT integrated network if everywhere starting from smart cities, smart power grids, and smart supply chain to smart wearable. Though IoT is still under applied in the field of environment it has huge potential.

Current water quality monitoring system is a manual system with a monotonous process and is very time-consuming. It is sensor-based water quality monitoring system. The main components of Wireless Sensor Network (WSN) include a microcontroller for processing the system, communication system for inter and intra node communication and several sensors. Real-time data access can be done by using remote monitoring and Internet of Things (IoT) technology.

THINGS TO BE DONE

- To develop the Application using given deliverables
- To create IBM Watson Cloud and to link with the application developed
- To create Nord Red Service
- To express the Python Code and simulate successfully in IBM Cloud

IBM WATSON IoT Platform:

Device Description

We have created a New Device 1234567, where the Device Type is 1234.And we have set the device composed of following data's such as temperature(0,100), humidity(0,100), pH(0,14).When the codes uploaded in the Simulation device section becomes True, the outputs will be appeared in the Recent Event site below the Respected Device block. The output displays until the python code is Switched OFF.

DEVICE CREATION PAGE