Technology Architecture

Date	26-10-2022
Team ID	PNT2022TMID02550
Project Name	Project: Smart Waste management System for Metropolitan Cities
Maximum Marks	4 Marks

Technical Architecture:
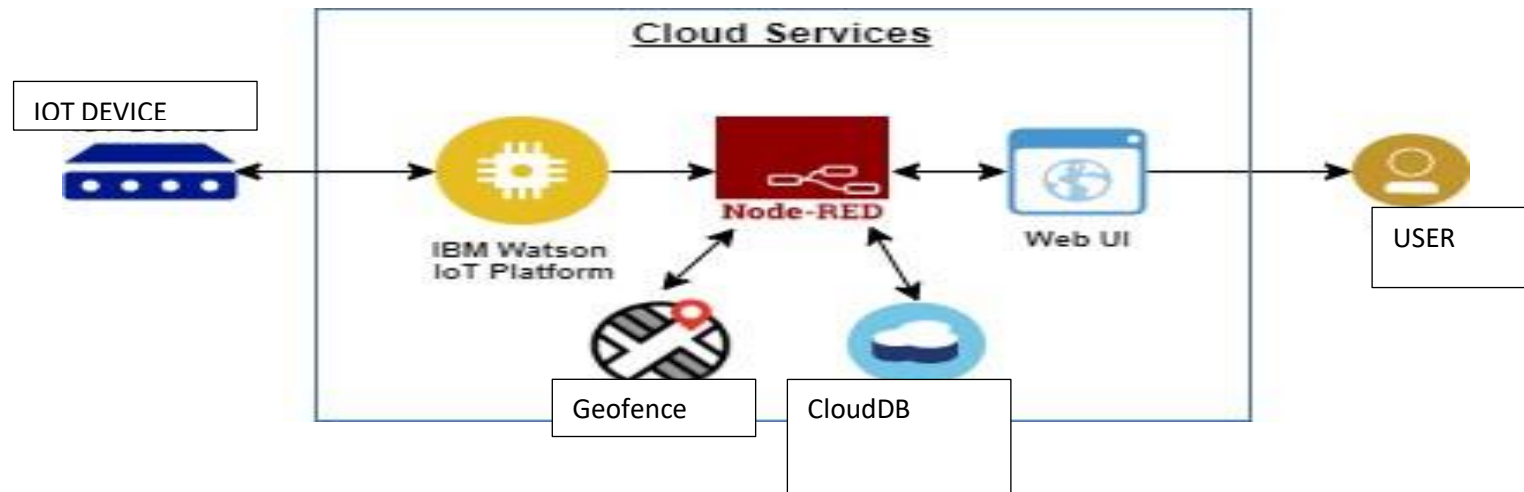
Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	The communication protocol being used in the proposed solution might act as an interface the way like Wi-Fi, Bluetooth and ZigBee	MIT app

2.	Application Logic	To obtain the location of garbage cans that are being filled, the website is updated, and an alert is issued to the relevant authority.	IBM Watson STT service, python etc
3.	Database	Data to be segregated and secured in the form of relational DBMS	MySQL
4.	Cloud Database	IBM	IBM Cloudant
5.	File Storage	File storage requirements	IBM Block Storage or Other Storage Service or Local Filesystem
6.	External API-1	To access the location of trash bins which are getting filled	GPS location monitoring etc
7.	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud Local Server Configuration	Cloud Foundry