Project Design Phase-I
Solution Architecture

Date	19 September 2022
Team ID	PNT2022TMID14953
Project Name	Smart Solution for Railways
Maximum Marks	4 Marks
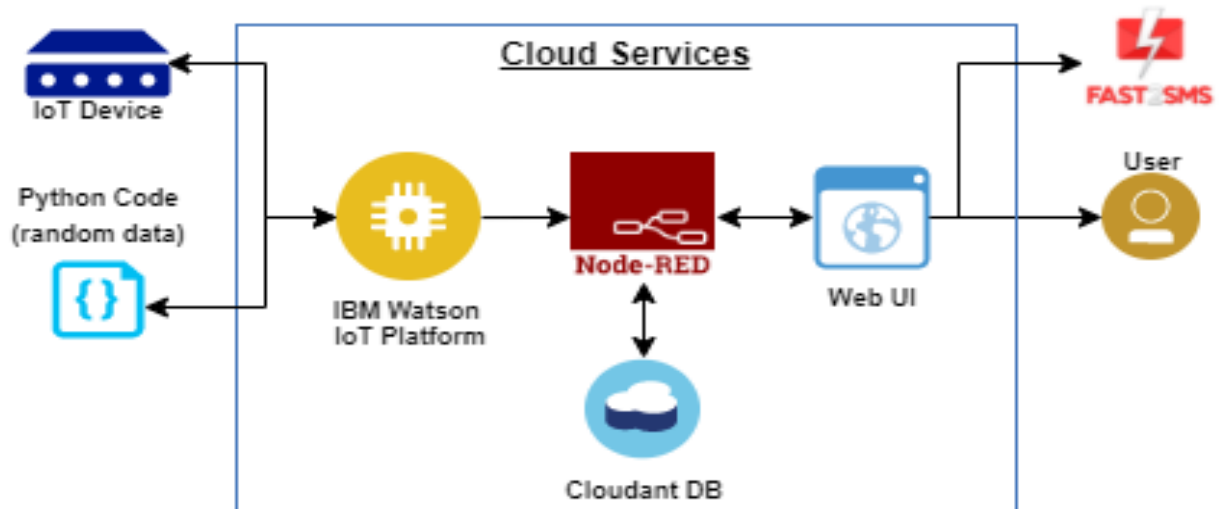
Solution Architecture:

From the above solution architecture IOT Device is connected to the IBM Watson IOT platform using a random data. Then API Node-RED is connected to the IOT platform to perform the services of user interfaces and database of the user and provides fast SMS.

IBM Watson platform is a fully managed cloud hosted service with the capabilities for device registration, connectivity, control and data storage.

Node-RED is a flow-based development tool for visual programming developed originally by IBM for wiring together hardware devices, APIs and online services as part of the Internet of Things. Node-RED provides a web browser-based flow editor, which can be used to create JavaScript functions.

Cloudant is an IBM software product, which is primarily delivered as a cloud-based service. Cloudant is a non-relational, distributed database service of the same name.

Web-User Interface (UI) is anything a user may interact with to use a digital product or service.