Project Design Phase-II
Technology Stack (Architecture & Stack)

Date	16 October 2022
Team ID	PNT2022TMID29712
Project Name	Project – Smart Solution for Railways
Maximum Marks	4 Marks

Technical Architecture:
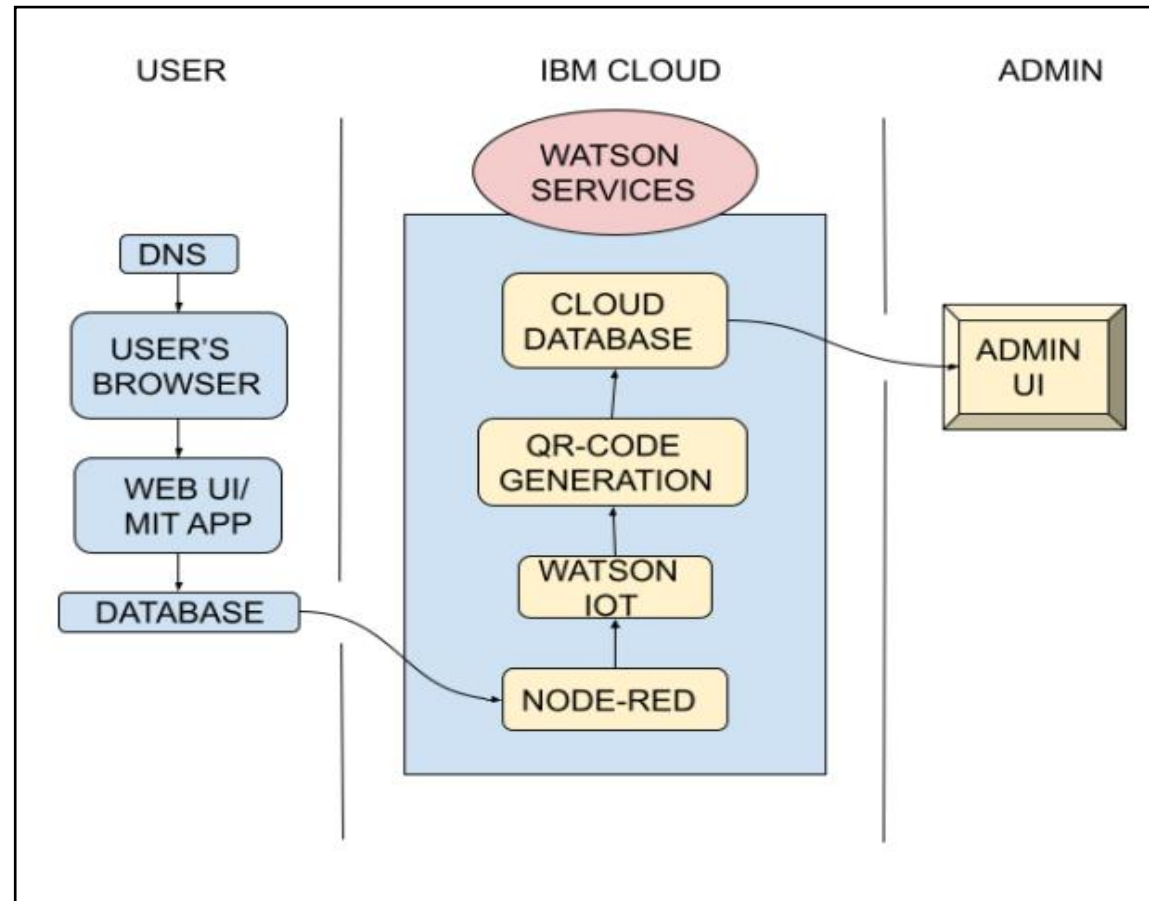
Table-1 : Components & Technologies:

S.No	Component	Technology
1.	User Interface	MIT app
2.	Application Logic-1	Python
3.	Application Logic-2	IBM Watson STT service
4.	Application Logic-3	IBM Watson Assistant
5.	Database	MySQL, NoSQL, etc.
6.	Cloud Database	IBM Cloud.
7.	File Storage	IBM Block Storage
8.	External API-1	IBM Weather API
9.	External API-2	Aadhar API
10.	Machine Learning Model	Object Recognition Model
11.	Infrastructure (Cloud)	Cloud Foundry

Table-2: Application Characteristics:

S.No	Characteristics	Technology
1.	Open-Source Frameworks	Technology of Opensource framework like MIT app.
2.	Security Implementations	Encryptions like OWASP
3.	Scalable Architecture	Technology used IBM auto scaling
4.	Availability	Technology used IBM
5.	Performance	Technology used IBM instance