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

Date	04 November 2022
Team ID	PNT2022TMID07171
Project Name	Project – Smart Solutions for Railways
Maximum Marks	4 Marks

Technical Architecture:

The Deliverable shall include the architectural diagram as below and the information as per the table1 & table 2
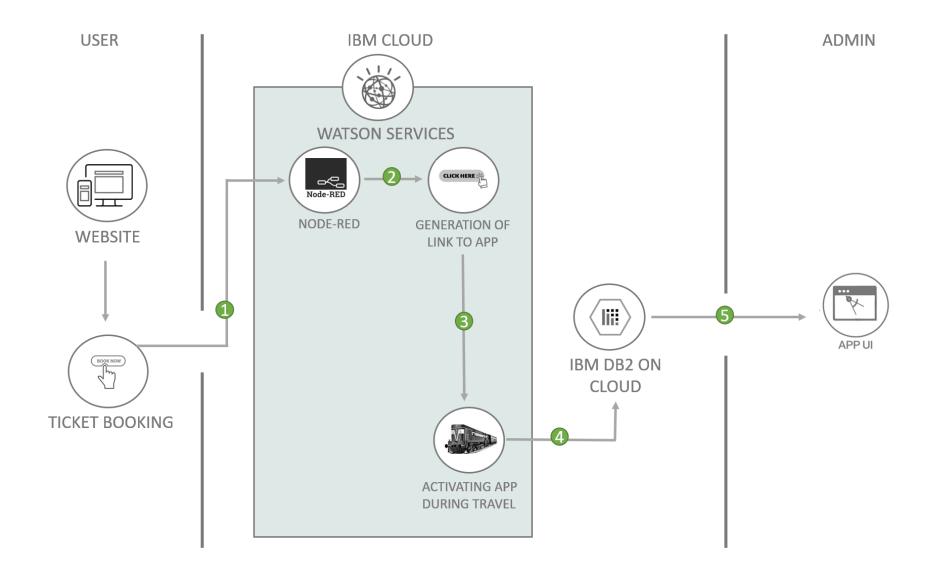
USER

IBM CLOUD

ADMIN

WATSON SERVICES

Node-RED

NODE-RED

CLICK HERE

GENERATION OF
LINK TO APP

WEBSITE

BOOK NOW

TICKET BOOKING

1

2

3

4

5

ACTIVATING APP
DURING TRAVEL

IBM DB2 ON
CLOUD

APP UI

Table-1 :Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	How user interacts with application e.g. Web UI, Mobile App, Chatbot etc.	HTML, CSS
2.	Application Logic	Logic for a process in the application	Java / Python
3.	Database	Data Type, Configurations etc.	SQL
4.	Cloud Database	Database Service on Cloud	IBM DB2, IBM Cloudant etc.
5.	File Storage	File storage requirements	IBM Block Storage or Other Storage Service or Local Filesystem

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	List the open-source frameworks used	React
2.	Scalable Architecture	Justify the scalability of architecture (3 – tier, Micro-services)	Technology used