

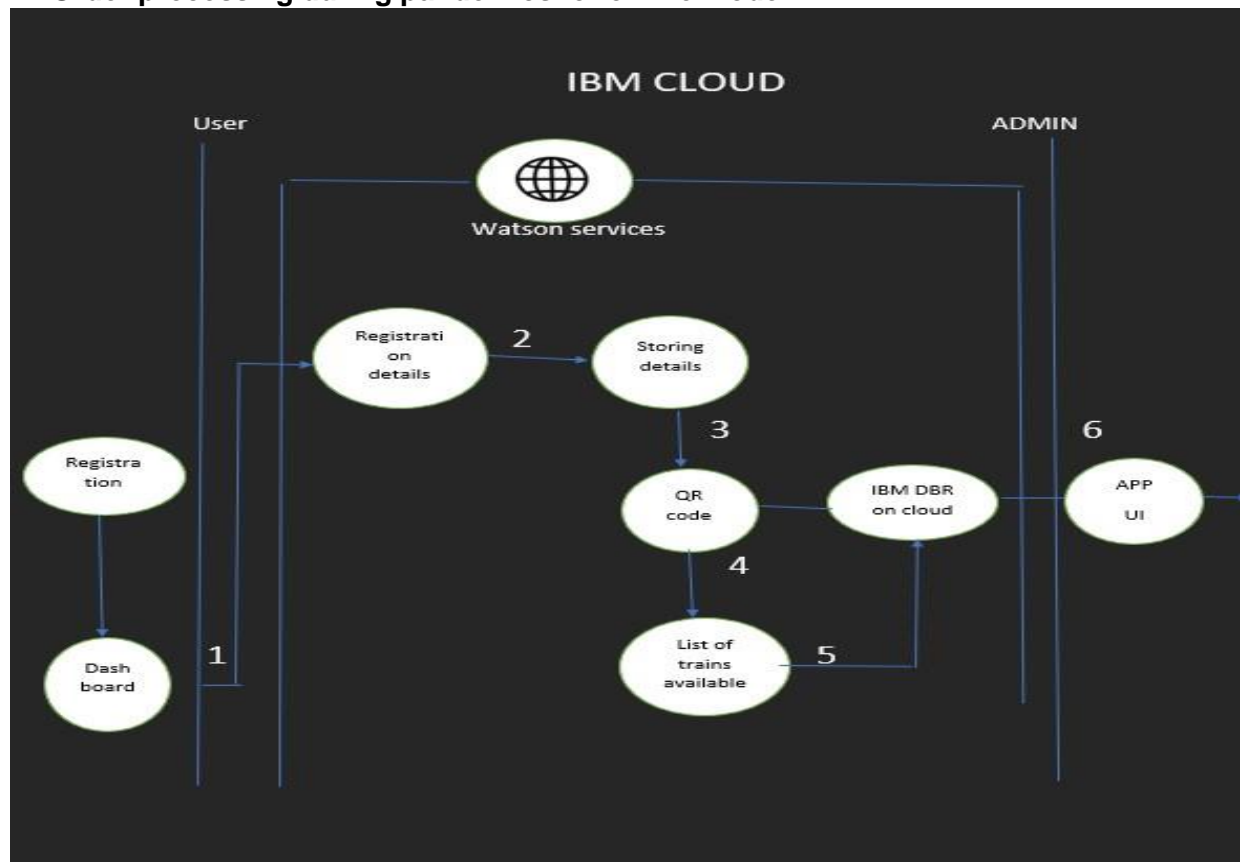
## Project Design Phase-II Technology Architecture

Date	03 October 2022
Project Name	Smart System Railways
Maximum Marks	4 Marks

### Technical Architecture:

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

### Order processing during pandemics for offline mode:



**Table-1 : Components & Technologies:**

S.No	Component	Description	Technology
1.	User Interface	Register your details	Web UI, Mobile app
2.	Application Logic-1	Login to the Web page	Java / Python
3.	Application Logic-2	Get registered	IBM Watson STT service
4.	Application Logic-3	Enter the OTP after registering	IBM Watson Assistant
5.	Database	Type your sex, current location etc...	MySQL, NoSQL, etc.
6.	Cloud Database	Type your sex, current location etc...	Adhaar card
7.	File Storage	Train timing with available trains	IBM Block Storage or Other Storage Service or Local Filesystem
8.	Machine Learning Model	It can the available train to the customer	Object Recognition Model, etc.

**Table-2: Application Characteristics:**

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Registration dashboard	IBM Cloud, data base, html
2.	Security Implementations	Security control of firewall	SHA-256, Encryptions, IAM Controls, OWASP etc.

S.No	Characteristics	Description	Technology
3.	Scalable Architecture	The information of the customer and register goes hand-to-hand and hence it is highly scalable	App UI
4.	Availability	Available and data sheet of train and timing should be displayed	App UI
5.	Performance	It can use 50 request per second and it can provide 100 cache that is 1 cache is real and 1 cache is duplicate	App UI