

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

Date	03 October 2022
Team ID	PNT2022TMID12697
Project Name	Project - Flight delay prediction system using ML
Maximum Marks	4 Marks

Technical Architecture:

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

Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	Web UI to access the user dashboard	HTML, CSS, JavaScript
2.	Database	Data Type, Configurations etc.	MySQL
3.	Cloud Database	Database Service on Cloud	IBM DB2
4.	File Storage	File storage requirements	Local Filesystem
5.	Machine Learning Model	Use model to predict flight delay	Decision Tree Classifier

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Security Implementations	User and admin authentication using email	OAuthLib
2.	Scalable Architecture	IBM Cloud	IBM Cloud
3.	Availability		IBM Cloud
4.	Performance		IBM Cloud