

Project Design Phase-II Technology Architecture

Date	22 October 2022
Team ID	PNT2022TMID36912
Project Name	Analytics for Hospital's Health-Care Data
Maximum Marks	4 Marks

Technical Architecture:

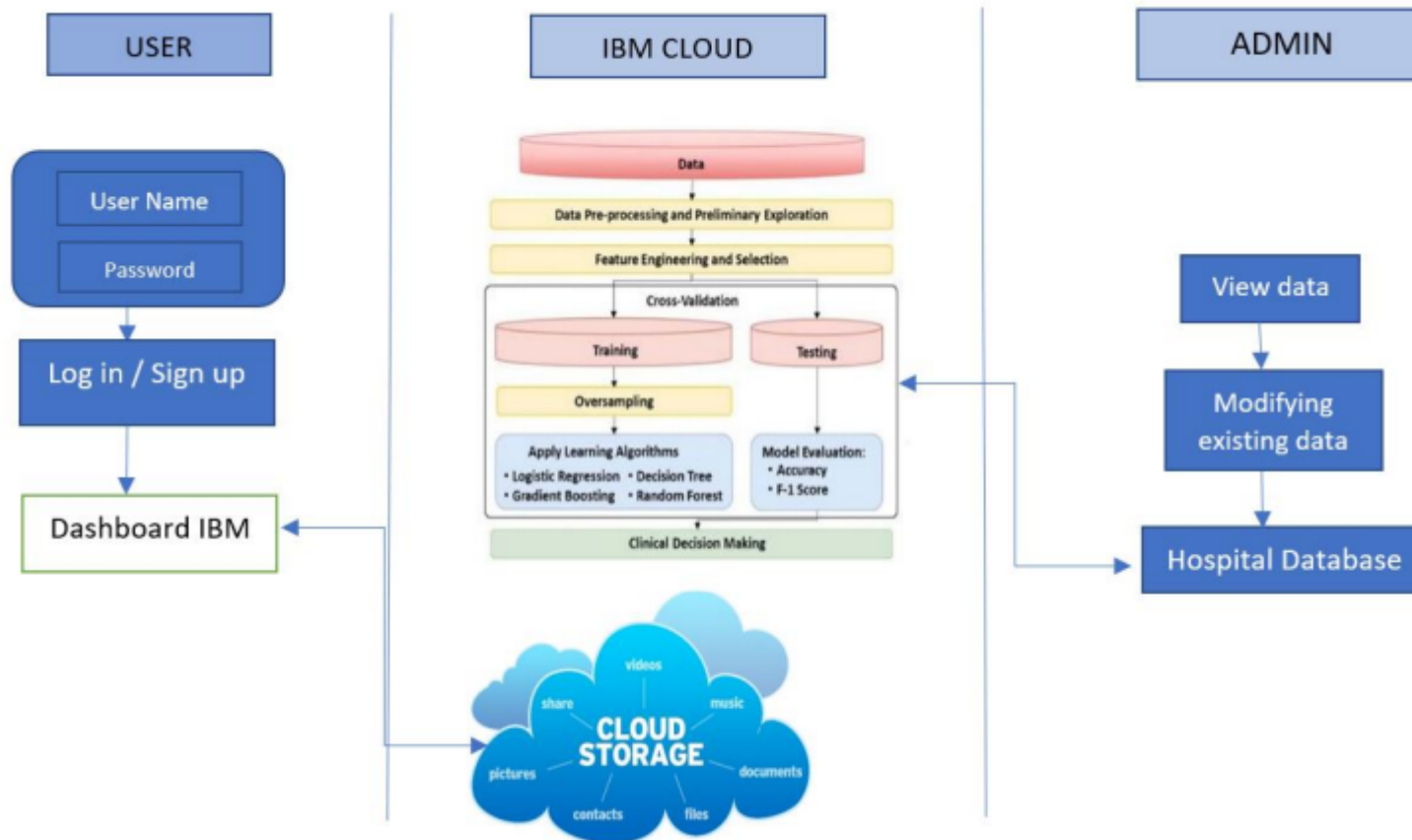


Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	The User can interact through the site with their convenient communicative device	HTML, CSS, JavaScript / Angular Js / React Js etc...
2.	Application Logic-1	Collecting the data	CSV File
3.	Application Logic-2	Exploring and Visualizing the data	IBM Cognos Analytics
5.	Database	Data model on the available data	AI or ML
6.	Cloud Database	Storing the Patients data in an cloud environment	IBM Cloud
7.	External API-1	Purpose of External API used in the application	Aadhar API, etc..
8.	Machine Learning Model	Predictive analysis on the data model	Regression Model
9.	Infrastructure (Server / Cloud)	Cloud environment for analytics	Local, Cloud Foundry, Kubernetes, etc.

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	List the open-source frameworks used	Python
2.	Security Implementations	Admin and User Authorization or Management Authorization	Encryption,IAM Controls,OWASP,etc...
3.	Availability	The data exploring and visualizing is a timely work hence the system should be more available	Cognos Analytics
4.	Performance	The accurate calculation of data is the well-known performance of the system	Predicting analysis using specific ideas