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

Date	19 October2022
Team Number	PNT2022TMID18760
Project Name	Visualizing and Predicting Heart Diseases with an Interactive Dash Board
Maximum Marks	4 Marks

Technical Architecture:

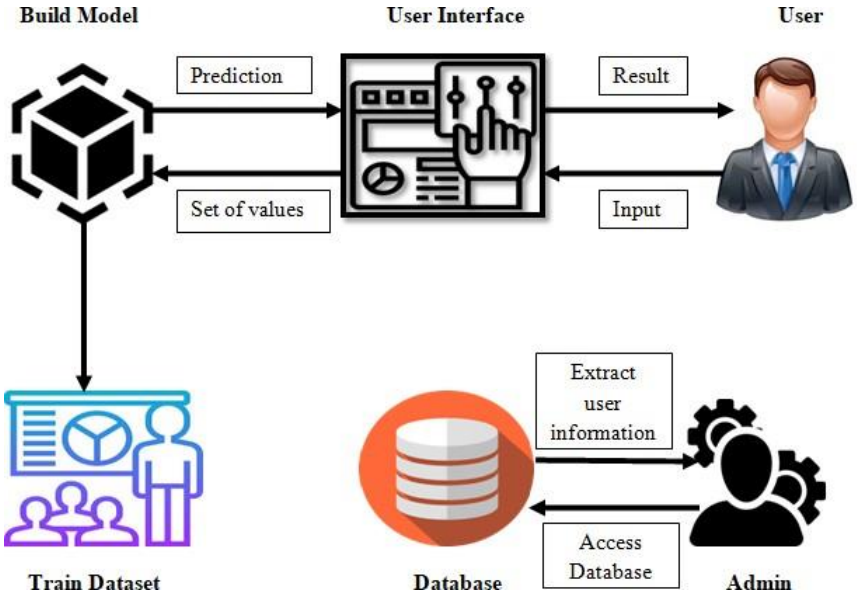

Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	How user interacts with application e.g. Web UI, Mobile App, Chatbot etc.	HTML, CSS, JavaScript
2.	Application Logic-1	Logic for a process in the application	ML/Decision Tree,SVM
3.	Application Logic-2	Logic for a process in the application	IBM Watson STT service
4.	Application Logic-3	Logic for a process in the application	IBM Watson Assistant
5.	Patient record data	Data Type, Configurations etc.	MySQL
6.	Exercise electrocardiogram	Database Service on Cloud	IBM DB2, IBM Cloudant etc.
7.	Dataset	Month of exercise ECG reading	Kaggle
8.	File storage	File storage requirements	Local Filesystem
9.	Machine Learning Model	Purpose of Machine Learning Model	Object Recognition Model, etc.

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Security Implementations	List all the security / access controls implemented, use of firewalls etc.	Data Encryption
2.	Scalable Architecture	Justify the scalability of architecture .	Exploratory Data Analysis
3.	Availability	Give the time to fix the problem	Web application to access the system
4.	Performance	The framework will be utilized by numerous representatives.	Data and Algorithms