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

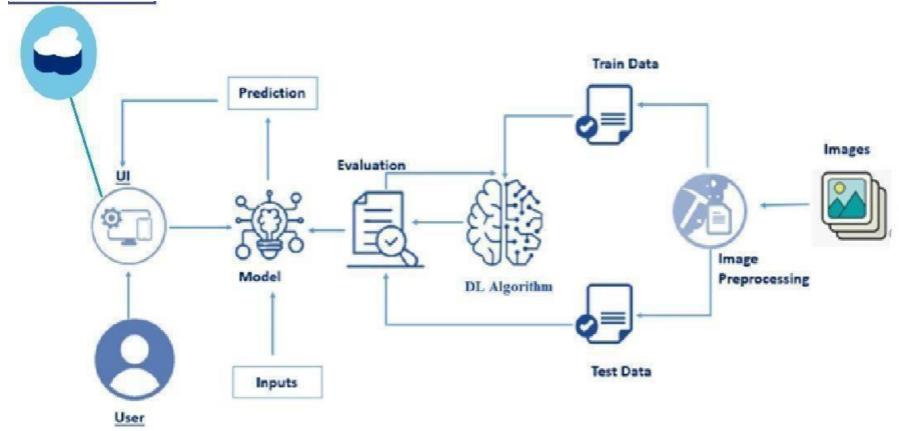| Date	26 October 2022
Team ID	PNT2022TMID16980
Project Name	Classification of Arrhythmia by using deep learning with 2-D ECG Spectral Image Representation
Maximum Marks	4 Marks

Technical Architecture:

Table-1: Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	How user interacts with application e.g., Mobile Application	HTML, CSS, JavaScript.
2.	Application Logic-1	Logic for a process in the application	Python
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.	Database	Data Type, Configurations etc.	MySQL, Deep learning
6.	Cloud Database	Database Service on AI	IBM Cloud and DB
7.	File Storage	File storage is more.	IBM Block Storage or Other Storage Service or Local Filesystem
8.	AI Model	Purpose of AI Model is to track the heart rate and if it is irregular then it will notify the doctor who is linked with	IBM AI Platform
9.	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud Local Server Configuration: Cloud Server Configuration :	Cloud Foundry, etc.