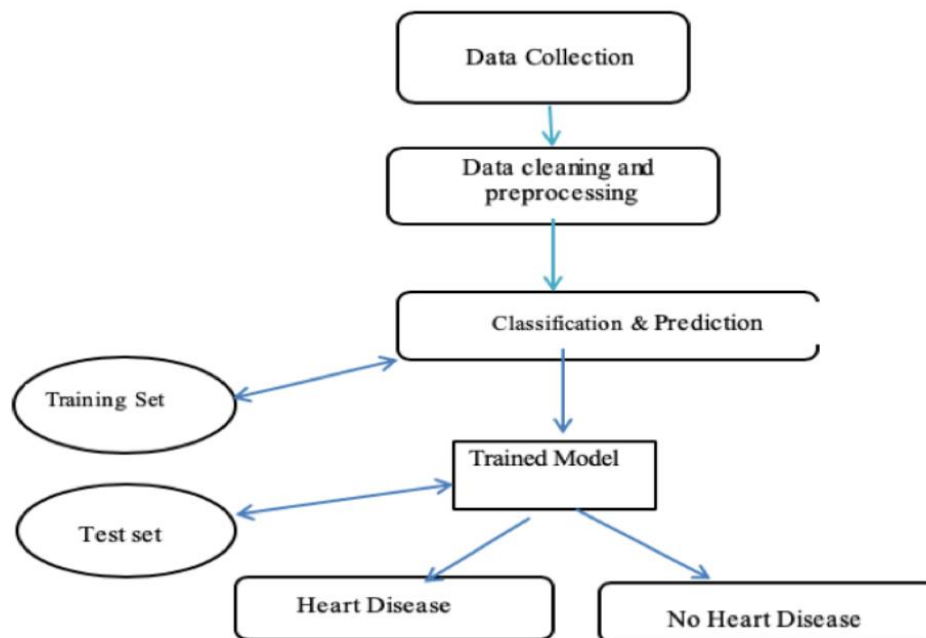


## Project Design Phase-II Technology Stack (Architecture & Stack)

Date	03 October 2022
Team ID	PNT2022TMID44038
Project Name	Project - xxx
Faculty Name	Dhrisya.S

### 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.
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
6.	Cloud Database	Database Service on Cloud	IBM DB2, IBM pak.
7.	File Storage	File storage requirements	IBM Block Storage or Other Storage Service or Local Filesystem
8.	External API-1	Purpose of External API used in the application	IBM Weather API, etc.
9.	External API-2	Purpose of External API used in the application	Aadhar API, etc.
10.	Machine Learning Model	Purpose of Machine Learning Model	Object Recognition Model, etc.
11.	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud Local Server Configuration: Cloud Server Configuration :	Local, Cloud Foundry, Kubernetes, etc.

**Table-2: Application Characteristics:**

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	open-source frameworks used	Technology of Opensource framework Django or flask in python
2.	Security Implementations	security / access controls implemented, use of firewalls etc.	e.g. Privacy-Encription,IBM security manager etc
3.	Scalable Architecture	scalability of architecture (3 – tier, Micro-services)	Technology used-IaaS,PaaS,SaaS
4.	Availability	availability of application (e.g. use of load balancers, distributed servers etc.)	Technology used-Cognos Analytics and IBM cloud
5.	Performance	performance of the application (number of requests per sec, use of Cache, use of CDN's) etc.	Technology used-The performance is fast relaying.

#### References:

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