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

Date	15 October 2022
Team ID	PNT2022TMID50876
Project Name	Project - Detecting Parkinson's Disease using Machine Learning
Maximum Marks	4 Marks

Technical Architecture:

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

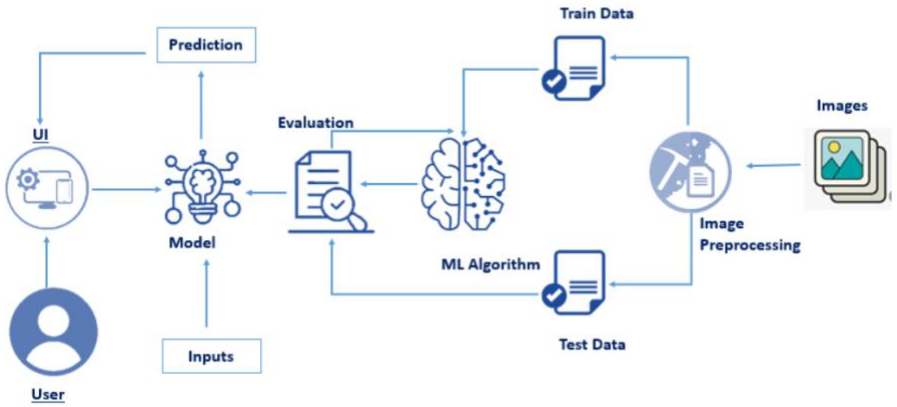

Table-1 : Components & Technologies:

S.No	Component	Description	Technology

1.	User Interface	user interacts with application e.g. Web UI, Mobile App, etc.	Streamlit python
2.	Application Logic-1	Logic for a process in the application	Python
3.	Application Logic-2	Logic for a process in the application	Google colloboratory
4.	Application Logic-3	Logic for a process in the application	Anaconda,spider
5.	Database	Data Type, Configurations etc.	MySQL
6.	Cloud Database	Database Service on Cloud	Local database
7.	File Storage	File storage requirements	Local Filesystem
8.	External API-1	Purpose of External API used in the application	anaconda, etc.
9.	External API-2	Purpose of External API used in the application	spider, 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 etc.

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Anaconda and spider	Technology of Opensource framework-Anaconda and spider.
2.	Security Implementations	The fire walls used to block the unknown websites.	Firewall
3.	Scalable Architecture	The application works through cloud storage and it can handle maximum number of clients .The system must use higher RAM and CPU processing in server to handle multiple requests at a same time	Technology used

S.No	Characteristics	Description	Technology
4.	Availability	The application is available in mobile phones,laptop,tablet etc	Technology used
5.	Performance	*The landing page supporting 5,000 users per hour must provide 6 second or less response time in a Chrome desktop browser, including the rendering of text and images and over an LTE connection and the uploading of Data (image) must also should be fast and the output page should be rendered within seconds.*	Technology used