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

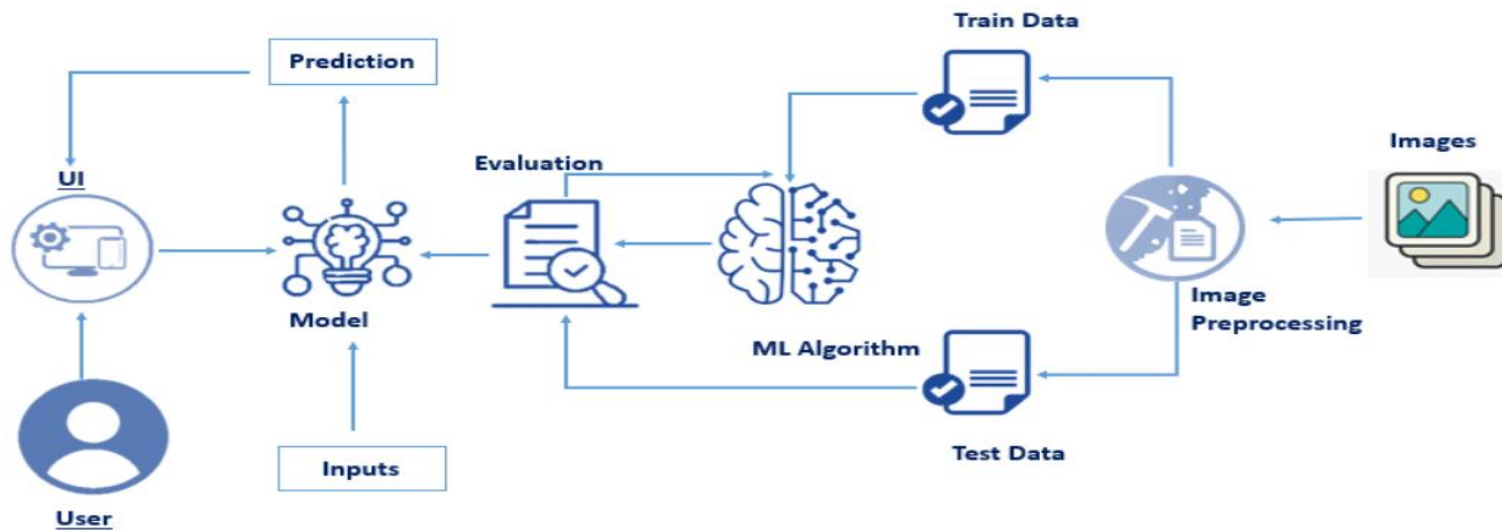| Date	16 October 2022
Team ID	PNT2022TMID20847
Project Name	Detecting Parkinson's Disease using Machine Learning
Maximum Marks	4 Marks

Technical Architecture:

Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	How user interacts with application e.g. Web UI	HTML, CSS, Python Flask
2.	Application Logic	Logic for a process in the application	Python
3.	Database	Data Type, Configurations etc.	Kaggle dataset
4.	Cloud Database	Database Service on Cloud	IBM DB2, IBM Cloudant etc.
5.	Machine Learning Model	Purpose of Machine Learning Model	Image Processing

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Scalability	Random forest and HOG are highly scalable	Technology used
2.	Availability	Using this model early detection is possible, as there is no cure for Parkinson's disease.	Technology used
3.	Performance	Helps in detecting the severity of the disease.	Technology used