Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	03 October 2022
Team ID	PNT2022TMID35637
Project Name	Detecting Parkinsons' Disease Using Machine Learning
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through form
FR-2	User Authorization / Verification	Authenticating the user by verifying their account
FR-3	User Input	Application obtains the data from the user
FR-4	Data Processing	Application processes the images and voice data and prepares it for data classification
FR-5	Data classification	Application classifies the data by giving the user input to the pre-trained ML model
FR-6	Report Generation	Application generates a report for the person with the prediction that has been made by the model

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The application is user-friendly and has an easy to use interface
NFR-2	**Security**	Customers' details are kept confidential and protected
NFR-3	**Reliability**	The application is monitored periodically in terms of its constant prediction ability, quality and availability to the user.
NFR-4	**Performance**	Quick and highly accurate prediction
NFR-5	**Availability**	Application can be used at any time and any place with good internet connectivity
NFR-6	**Scalability**	Application's performance doesn't decrease as the number of users at a time increases.