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

Date	01-112022
Team ID	PNT2022TMID18131
Project Name	Project - Detecting Parkinson's Disease using Machine Learning

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User account registration	Registration through Google account and forms
FR-2	Input data	Application received the data and processes its roles
FR-2	User Authorization	Verifying the user's account
FR-3	Data classification	Classification of the real data for the user
FR-4	Accuracy verification	Accuracy is determined in the application
FR-5	Time efficient usage	Interaction with the chatbot till the result gets generated for the user
FR-6	Medical recommendations	User receives the medical suggestions and assistance for to offer speed
FR-7	Data extraction	User gets their personal disease report data from the application

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The application can be used for accurate prediction and classifier of the true and fake input data sample
NFR-2	**Security**	User's data is well encrypted using stable machine learning algorithms
NFR-3	**Reliability**	The application is monitored periodically in terms of its constant prediction ability, quality, and availability towards the user
NFR-4	**Performance**	It classifies the images and predicts the disease with careful accuracy output
NFR-5	**Availability**	The application is active throughout the day. While awaiting the prediction result, User can interact with the chatbot for to spend time in knowing important

		details. If the application doesn't respond for the user, then the automated chatbot will forward the issue to our server then it can be resolved at that instance.
NFR-6	**Scalability**	It does not request money or bank details to setup their account and download their final medical result from the application