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

Date	14th October 2022
Team ID	PNT2022TMID03453
Project Name	Project - Detecting Parkinsons Disease using Machine Learning.
Maximum Marks	4 Marks

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 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.

Functional Requirements:

Following are the non-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	Verifying the user's account.
FR-3	Input data	Application received the data and processes its roles.
FR-4	Data classification	Classification of the real data for the user.
FR-5	Accuracy verification	Accuracy is determined in the application.
FR-6	Time efficient usage	Interaction with the chatbot till the result gets generated for the user.
FR-7	Data extraction	User gets their personal disease report data from the application.