

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

Date	03 October 2022
Team ID	PNT2022TMID11558
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 Registration	Registration through Form Registration through Gmail
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Login	Login to landing page using email and password
FR-4	Image Upload as Input	Select image from the system and upload to the application
FR-5	Voice Upload as Input	Select voice as audio file from the system and upload to the application
FR-6	Prediction	using the provided hand-drawn image and audio file as a basis, make a prediction about the condition's status.
FR-7	Result	With the information provided, it is possible to determine whether a person is healthy or at what stage of Parkinson's disease they are
FR-8	Prescription	Suggest necessary remedy, treatment objectives, specialist contacts based on user consent.
FR-9	Obtaining Reports	Ability to download the report to their system

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 self-intuitive and interactive, and the user interface screen is quite welcoming.
NFR-2	Security	The user information is safeguarded and connected to the user profile.
NFR-3	Reliability	The application is frequently examined for consistency in prediction ability, quality, and user accessibility.
NFR-4	Performance	The application is handy to the user and the result accuracy also high.
NFR-5	Availability	The programme is running continuously throughout the day, with weekly maintenance checks.
NFR-6	Scalability	Application performs well under an increased workload