

Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Team ID	PNT2022TMID36004
Title	Detecting Parkinson's Disease using Machine Learning
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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	User Login	User needs to log in to the website using the registered email.
FR-4	Upload the Image	User need to draw spiral or wave pictures and upload them to the website for prediction
FR-5	Predicting	Prediction will be done based on the drawn images.

FR-6	Result after prediction	The result will be provided immediately after the prediction of whether the user is having Parkinson's disease or not.
FR-7	Suggestion and Report generation	Suggestions of doctors and the report of the user can be downloaded.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Our Website can be easily accessed by everyone,irrespective of any technical knowledge.
NFR-2	Security	The details provided by the user are securely maintained.
NFR-3	Reliability	The prediction provided by this system will be accurate.
NFR-4	Performance	This model can give results for a large number of inputs with a high rate of accuracy and high performance.
NFR-5	Availability	This Website is freely(Open Source) available for all users.
NFR-6	Scalability	This Website can handle a large number of users and work efficiently.

