

## Project Design Phase-II

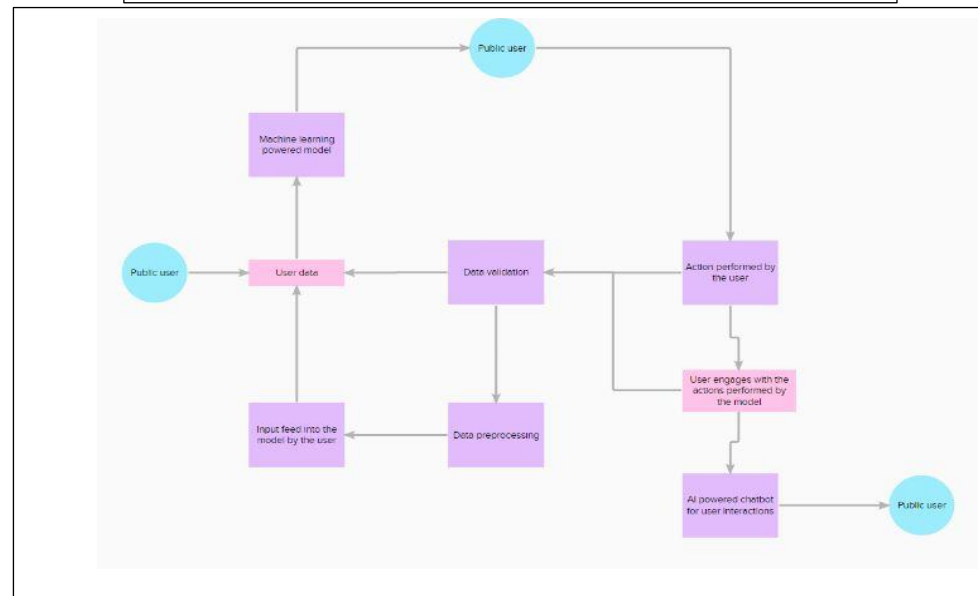
### Data Flow Diagram & User Stories

|               |  |
|---------------|--|
| Date          | 14th October 2022  |
| Team ID       | PNT2022TMID38399   |
| Project Name  | Project - Detecting Parkinson's Disease using Machine Learning |
| Maximum Marks | 4 Marks  |

#### Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

Data flow diagram – Detecting Parkinson's Disease using Machine Learning



## User Stories

Use the below template to list all the user stories for the product.

| User Type              | Functional Requirement (Epic) | User Story Number | User Story / Task  | Acceptance criteria   | Priority | Release  |
|------------------------|-------------------------------|-------------------|--|---|----------|----------|
| Customer (Public user) | Account creation              | USN-1             | As a user, I can connect my google into the application  | I can access my account / application dashboard                                   | High     | Sprint-1 |
| Input data             | Adding data                   | USN-2             | As a user, I can feed my data as the input into the application for it to classify the true fake data  | I can cross verify the data that entered in the initial step                      | High     | Sprint-1 |
| Data validation        | Checking accuracy             | USN-3             | As a user, I can check the ability and accuracy of the model in obtaining the required information   | I can log into my account and check the capability of the model                   | Medium   | Sprint-2 |
| Classification         | Data classification           | USN-4             | As a user, I can view the real data  | I can verify my data with the real data   | Medium   | Sprint-2 |
| App work               | Work flow                     | USN-5             | As a user, I can examine the working action of the application model   | I can view how the application works and responds to the actions imposed          | High     | Sprint-2 |
| Image classification   | Checking for the disease      | USN-6             | As a user, I can verify with the application that the image is identified with the actual disease with the help of the trained and tested data's | I can confirm that the data shows the accurate result                             | Low      | Sprint-3 |
| User interaction       | AI-powered chatbot            | USN-7             | As a user, I can interact with the automated chatbot to engage my time till the application processed the accurate result in a meanwhile         | I can see the results from the interaction with the chatbot                       | Low      | Sprint-3 |
| Medical assistance     | Medical suggestions           | USN-8             | As a user, I can get medical advises and recommendations for to boost the action of curing the disease   | I can get enough assistance by getting the suggestions for curing the disease     | High     | Sprint-3 |
| Data extraction        | Obtaining the data            | USN-9             | As a user, I can retrieve the result data from the application for data storage for further medical research uses.                               | I can download the result in the form of data as a proof to show to medical teams | Medium   | Sprint-4 |