

Project Development Phase (Sprint2)

Date	2 November 2022
Team ID	PNT2022TMID05458
Project Name	Project - Detecting Parkinson's Disease using Machine Learning.

Sprint 2 Task:

- Create a basic webpage structure
- Create a home page with disease description

Sprint 2 Output:

Welcome saranya ! Home Predict Logout

Detecting Parkinson Disease using ML

Parkinson's disease (PD) is a prevalent neurodegenerative disease affecting about 1% of the world population over the age of 55 (Nussbaum and Ellis, 2003). About five million people worldwide are estimated to have PD. PD Prevalence is expected to double by the year 2030. Parkinson's disease (PD) patient care is limited by inadequate, sporadic symptom monitoring, infrequent access to care, and sparse encounters with healthcare professionals leading to poor medical decision making and sub-optimal patient health-related outcomes. Recent advances in digital health approaches have enabled objective and remote monitoring of impaired motor function with the promise of profoundly changing the diagnostic, monitoring, and therapeutic landscape in PD.

PARKINSON'S DISEASE

A disease that affects nerve cells in the brain and causes tremors, poor coordination, and problems walking and moving.

CAUSES & RISK FACTORS

- Both males & females are affected
- Parkinson's commonly develops after age 50
- Scientists have identified several genes that may lead to Parkinson's in some people, but there is no solid proof to show it is always inherited
- There are more study to develop Parkinson's disease because they have more study to understand how injury or exposure to toxins

SYMPTOMS OF PARKINSON'S

- Slow walking
- No facial expression
- Clanking
- Difficulty swallowing
- Shaking tremors
- Loss of smell or fine hand movements
- Memory loss, dementia
- Anxiety, depression
- Hallucinations
- Slumped posture
- Stress and pain
- Compensation
- Problems with balance or walking

Parkinson's Disease Symptoms

Stages of Parkinson's Disease

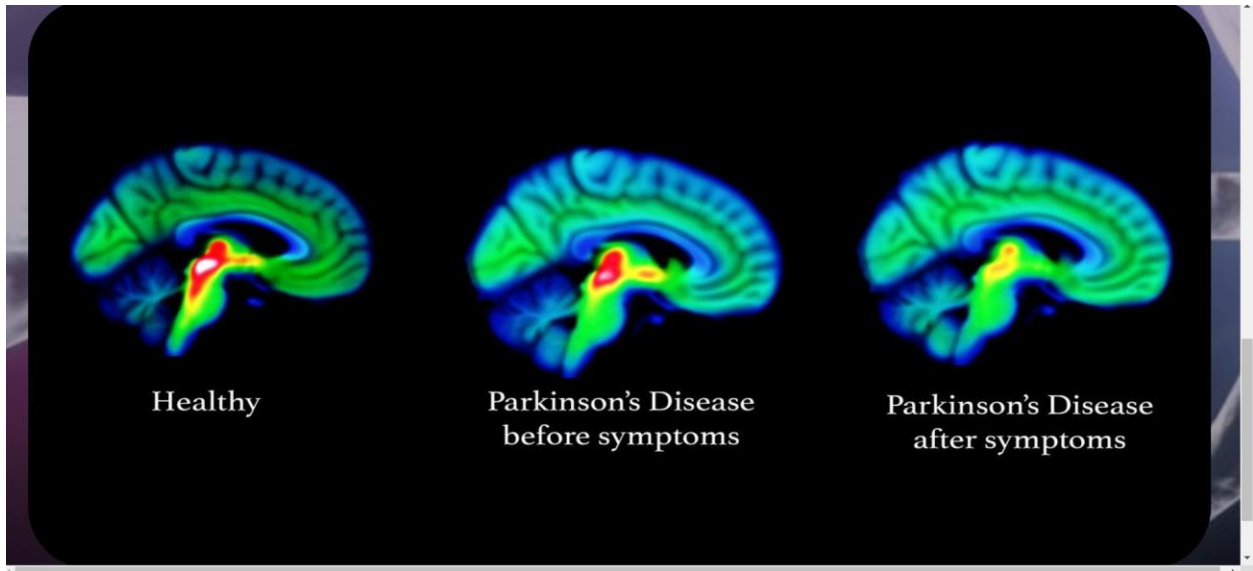
(A) Normal (B) Parkinson's disease

Brain Regions Affected by Parkinson's Disease

Treatment of Motor Symptoms of Parkinson's Disease

(A) Normal

(B) Parkinson's disease



Home Predict Logout

Prevention is better than cure!

Parkinson Classifier

NOTE: Upload an spiral or wave page drawn by the user in a white sheet

Choose

Predict