

Project Development Phase (Sprint3)

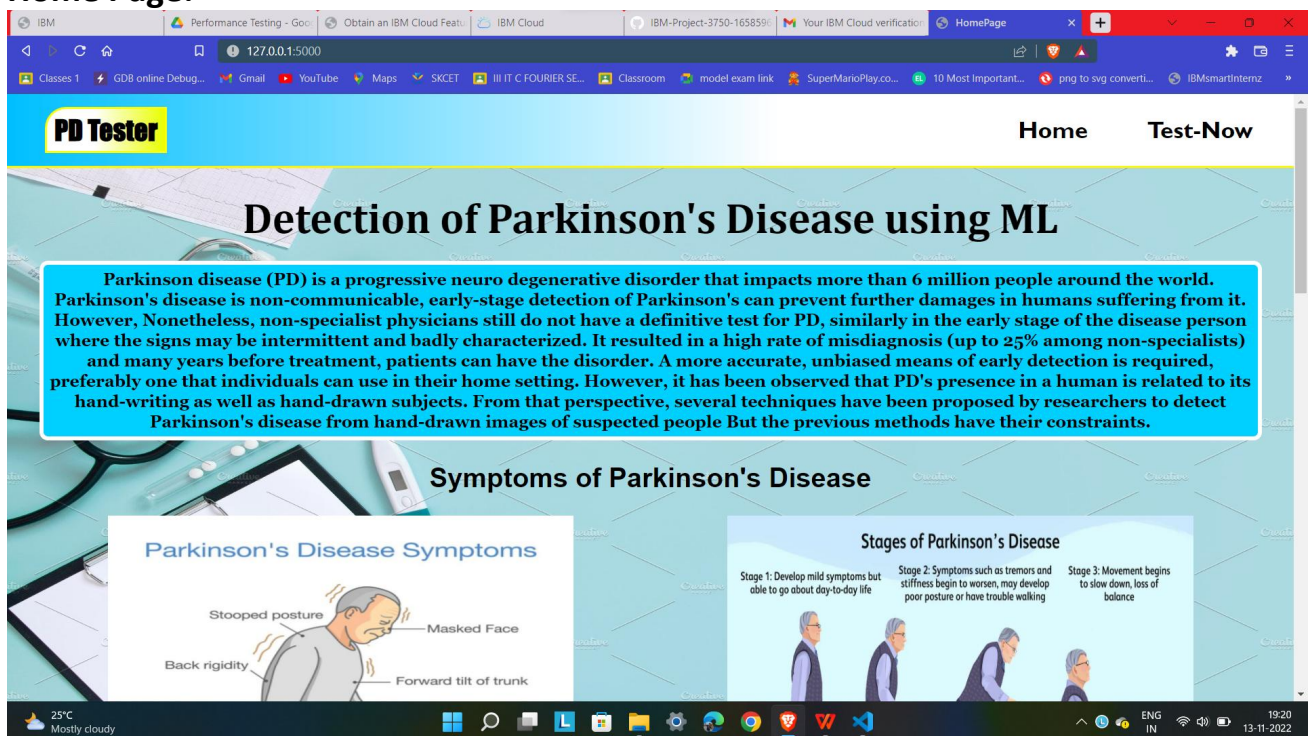
Date	6 November 2022
Team ID	PNT2022TMID03020
Project Name	Project - Detecting Parkinson's Disease using Machine Learning.

Sprint 3 Task:

- Redirect to the home page on successful entry of the web application
- Integrate the result page with the ML model.

Sprint 3 Output:

Home Page:



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127.0.0.1:5000

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PD Tester Home Test-Now

Treatment for Parkinson's Disease

Treatment of Motor Symptoms of Parkinson's Disease

The flowchart starts with 'Diagnosis of PD'. If 'Established', it asks 'Motor impairment?'. If 'Minimal or none', it suggests 'Exercise ± MAO-B (selegiline, rasagiline)' and 'Experimental Therapies'. If 'Yes', it branches by age: 'Mild sex or young' leads to 'Disease Progression' and 'Add or increase levodopa', while 'Troublesome sex or elderly' leads to 'Initiate levodopa'. Both paths lead to 'Motor complications', which then lead to 'Dose adjustments, continuous levodopa or DA delivery' and 'DBS or FUS'. If 'Uncertain', it suggests 'MRI, DAT or VMAT imaging' and 'Consider alternative Dx and Rx'.

Advanced Parkinson's Treatment and Coping Strategies

- Prescriptions for hallucinations, dementia, or psychosis
- Apomorphine injections
- Pumped levodopa
- Mental health and nursing services
- Deep brain stimulation
- Physical, occupational, and exercise therapy

Effect of Parkinson's Disease on Human Brain

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PD Tester Home Test-Now

Effect of Parkinson's Disease on Human Brain

The image shows three sagittal brain scans. The first is labeled 'Healthy' and shows normal dopamine distribution. The second is labeled 'Parkinson's Disease before symptoms' and shows some loss of dopamine in the substantia nigra. The third is labeled 'Parkinson's Disease after symptoms' and shows significant loss of dopamine throughout the brain.

Healthy Parkinson's Disease before symptoms Parkinson's Disease after symptoms

25°C Mostly cloudy 19:22 13-11-2022

Test-Page:

The screenshot shows a web browser window with the URL `127.0.0.1:5000/upload`. The page has a blue header with the "PD Tester" logo on the left and "Home" and "Test-Now" links on the right. The main content area has a light blue background with a medical-themed image of a stethoscope, syringe, and pills. The text "Stay Strong!! We will always be with you.!" is displayed in a large, bold font. Below this, the instructions are listed: "1. Upload an spiral or wave page drawn by the patient/user in a white sheet." and "2. Upload the image in .png, .jpg, .jpeg format." There are two buttons: a red "Choose" button and a blue "Test-Now" button. The browser's taskbar at the bottom shows the system time as 19:23 on 13-11-2022.

For Spiral Dataset:

This screenshot shows the same PD Tester web application, but with a spiral drawing uploaded. The "Choose" button is now disabled, and a small image of the spiral drawing is displayed. Below the image, the text "Prediction : parkinson" is shown. The "Test-Now" button remains active. The browser's taskbar at the bottom shows the system time as 19:24 on 13-11-2022.

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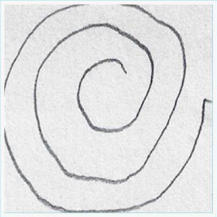
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PD Tester Home Test-Now

Instructions:

- 1.Upload an spiral or wave page drawn by the patient/user in a white sheet.
- 2.Upload the image in .png, .jpg, .jpeg format.

Choose



Prediction : healthy

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For Wave Dataset:

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PD Tester Home Test-Now

Instructions:

- 1.Upload an spiral or wave page drawn by the patient/user in a white sheet.
- 2.Upload the image in .png, .jpg, .jpeg format.

Choose



Prediction : parkinson

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