

APPLICATION BUILDING

TEAM ID: PNT2022TMID12773

PROJECT TITLE: Detecting Parkinson's Disease using Machine Learning

A Flask application and the required HTML pages were created as shown below. The application was run and tested for healthy and Parkinson's images.

HTML Pages:

Login / Register page:

Login

Enter your User ID

Enter your Password

☐ Remember me

Do not have an account yet?

Enter your mail ID

Enter your Username

Enter your Password

Home page:

[Home](#) [Predict](#) [Logout](#)

Detecting Parkinson's Disease using Machine Learning

Parkinson's disease is a chronic and progressive movement disorder that initially causes tremor in one hand, stiffness or slowing of movement. It is caused by a loss of nerve cells in substantia nigra of the brain. This leads to a reduction in a chemical called dopamine in the brain. Many different symptoms are associated with Parkinson's disease and the more common symptoms are slowness in movement and muscle stiffness. Parkinson's disease cannot be cured, but medications can help control symptoms. In some later cases, surgery may be advised.

Parkinson's disease symptoms may vary from person to person. Early signs may be mild and may go unnoticed. Symptoms often begin on one side of the body and usually get worse on the same side, even after symptoms begin to affect both sides.

Signs and symptoms may include:

- Tremors, trembling of hands, arms, legs, jaw and face
- Stiffness of the arms, legs and trunk
- Slowness of movement
- Poor balance and coordination
- Speech difficulty



Predict page:

[Home](#)

Find if you have symptoms of Parkinson's Disease

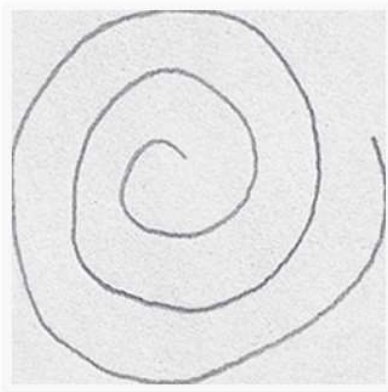
Please upload a hand-drawn image of spiral or wave.

Choose image file

Predict

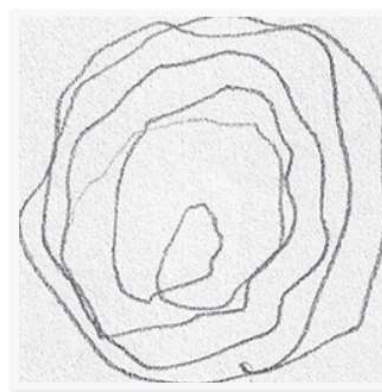
Running the app:

Test case 1:



Prediction : You are healthy !

Test case 2:



Prediction : You may have Parkinson's disease.