

## Parkinson's Disease Information

Parkinson's disease is a neurodegenerative disorder that affects the central nervous system. It is characterized by symptoms such as tremors, stiffness, slow movement, and difficulty with balance and coordination. The disease occurs due to the loss of dopamine-producing cells in the brain, leading to a decrease in dopamine levels.

If you want to check whether you have Parkinson's disease or not, you can click on the "Predict" button below.

Predict

Parkinson's disease is a neurodegenerative disorder that affects the central nervous system. It is characterized by symptoms such as tremors, stiffness, slow movement, and difficulty with balance and coordination. The disease occurs due to the loss of dopamine-producing cells in the brain, leading to a decrease in dopamine levels.

Our page uses a trained machine learning model to predict the likelihood of an individual having Parkinson's Disease based on their input data. The model takes into account various features such as motor symptoms, voice recordings, and demographic information. By analyzing these factors, the model provides a prediction whether the person is likely to have Parkinson's Disease or not.

To predict the disease, users provide relevant data. This data is used as input to the machine learning model, which has been trained on a dataset containing information from individuals with and without Parkinson's Disease.

The trained model has been evaluated for its accuracy. It achieves an accuracy of 87.18% on the testing data and 88.46% on the training data. These accuracy values reflect the model's ability to correctly predict the presence or absence of Parkinson's Disease based on the input data. It's important to note that while the model provides a reliable prediction, it should not be considered a definitive diagnosis, and consulting a healthcare professional is always recommended for a comprehensive evaluation.

### Input Form

MDVP:Fo(Hz)	MDVP:Fhi(Hz)
MDVP:Flo(Hz)	MDVP:Jitter(%)
MDVP:Jitter(Abs)	MDVP:RAP
MDVP:PPQ	Jitter:DDP
MDVP:Shimmer	MDVP:Shimmer(dB)
Shimmer:APQ3	Shimmer:APQ5
MDVP:APQ	Shimmer:DDA
NHR	HNR
RPDE	DFA
spread1	spread2
D2	PPE

Predict

Your Input Data

<b>MDVP:F0(Hz):</b> 95.73	<b>MDVP:Fhi(Hz):</b> 132.068
<b>MDVP:Flo(Hz):</b> 91.754	<b>MDVP:Jitter(%):</b> 0.00551
<b>MDVP:Jitter(Abs):</b> 6e-05	<b>MDVP:RAP:</b> 0.00293
<b>MDVP:PPQ:</b> 0.00332	<b>Jitter:DDP:</b> 0.0088
<b>MDVP:Shimmer:</b> 0.02093	<b>MDVP:Shimmer(dB):</b> 0.191
<b>Shimmer:APQ3:</b> 0.01073	<b>Shimmer:APQ5:</b> 0.01277
<b>MDVP:APQ:</b> 0.01717	<b>Shimmer:DDA:</b> 0.03218
<b>NHR:</b> 0.0107	<b>HNR:</b> 21.812
<b>RPDE:</b> 0.615551	<b>DFA:</b> 0.773587
<b>spread1:</b> -5.498678	<b>spread2:</b> 0.327769
<b>D2:</b> 2.322511	<b>PPE:</b> 0.231571

Result

You have Parkinson Disease

MDVP:PPQ: 0.00332	Jitter:DDP: 0.0088
MDVP:Shimmer: 0.02093	MDVP:Shimmer(dB): 0.191
Shimmer:APQ3: 0.01073	Shimmer:APQ5: 0.01277
MDVP:APQ: 0.01717	Shimmer:DDA: 0.03218
NHR: 0.0107	HNR: 21.812
RPDE: 0.615551	DFA: 0.773587
spread1: -5.498678	spread2: 0.327769
D2: 2.322511	PPE: 0.231571

## Result

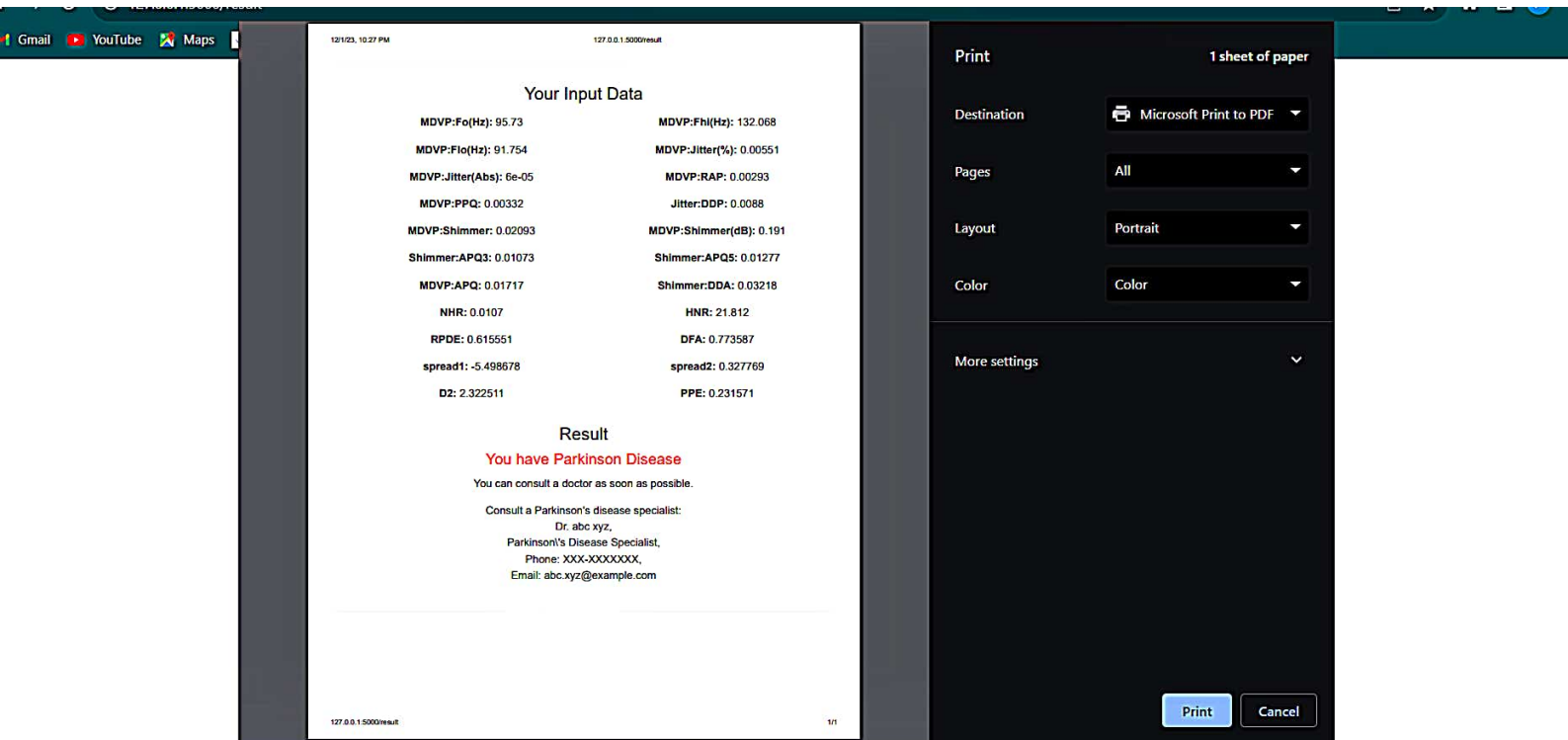
**You have Parkinson Disease**

You can consult a doctor as soon as possible.

Consult a Parkinson's disease specialist:

Dr. abc xyz,  
Parkinson's Disease Specialist,  
Phone: XXX-XXXXXXX,  
Email: abc.xyz@example.com

Print



### Your Input Data

<b>MDVP:F0(Hz):</b> 95.73	<b>MDVP:Fhi(Hz):</b> 132.068
<b>MDVP:Flo(Hz):</b> 91.754	<b>MDVP:Jitter(%):</b> 0.00551
<b>MDVP:Jitter(Abs):</b> 200.67	<b>MDVP:RAP:</b> 0.00293
<b>MDVP:PPQ:</b> 0.00332	<b>Jitter:DDP:</b> 0.0088
<b>MDVP:Shimmer:</b> 0.02093	<b>MDVP:Shimmer(dB):</b> 0.191
<b>Shimmer:APQ3:</b> 0.01073	<b>Shimmer:APQ5:</b> 8188.445
<b>MDVP:APQ:</b> 0.01717	<b>Shimmer:DDA:</b> 0.03218
<b>NHR:</b> 700.2	<b>HNR:</b> -121.812
<b>RPDE:</b> 0.615551	<b>DFA:</b> 0.773587
<b>spread1:</b> -5.498678	<b>spread2:</b> 0.327769
<b>D2:</b> 2.322511	<b>PPE:</b> 0.231571

### Result

You does not have Parkinson Disease

**MDVP:Jitter(Abs):** 200.67

**MDVP:PPQ:** 0.00332

**MDVP:Shimmer:** 0.02093

**Shimmer:APQ3:** 0.01073

**MDVP:APQ:** 0.01717

**NHR:** 700.2

**RPDE:** 0.615551

**spread1:** -5.498678

**D2:** 2.322511

**MDVP:RAP:** 0.00293

**Jitter:DDP:** 0.0088

**MDVP:Shimmer(dB):** 0.191

**Shimmer:APQ5:** 8188.445

**Shimmer:DDA:** 0.03218

**HNR:** -121.812

**DFA:** 0.773587

**spread2:** 0.327769

**PPE:** 0.231571

## Result

You does not have Parkinson Disease

Print



127.0.0.1:5000/result

Gmail

YouTube

Maps

12/1/23, 10:30 PM

127.0.0.1:5000/result

Your Input Data

MDVP:F0(Hz): 95.73

MDVP:F1(Hz): 132.068

MDVP:F1o(Hz): 91.754

MDVP:Jitter(%): 0.00551

MDVP:Jitter(Abs): 200.67

MDVP:RAP: 0.00293

MDVP:PPQ: 0.00332

Jitter:DDP: 0.0088

MDVP:Shimmer: 0.02093

MDVP:Shimmer(dB): 0.191

Shimmer:APQ3: 0.01073

Shimmer:APQ5: 8188.445

MDVP:APQ: 0.01717

Shimmer:DDA: 0.03218

NHR: 700.2

HNR: -121.812

RPDE: 0.615551

DFA: 0.773587

spread1: -5.498678

spread2: 0.327769

D2: 2.322511

PPE: 0.231571

Result

You does not have Parkinson Disease

Print

1 sheet of paper

Destination

Microsoft Print to PDF

Pages

All

Layout

Portrait

Color

Color

More settings

Print

Cancel