DATE:	**17/10/2022**
TEAM ID:	**PNT2022TMID39601**
PROJECT TITLE:	**Detecting Parkinson's Disease using Machine Learning**

PROBLEM-SOLUTION FIT

1. CUSTOMER SEGMENT(S)	6. CUSTOMER STATE LIMITATIONS	5. AVAILABLE SOLUTIONS
Parkinson's disease market is segmented based on drug class and distribution channel, patient care settings, and regions. By drug class, the market is segmented based on carbidopa/levodopa, dopamine receptor agonists, MAO inhibitors, COMT-inhibitors, anticholinergics, and other drugs.	Data were obtained only from participants in H&Y stages 1 through 3 and only for some of the performance measures typically used.	Parkinson's disease can't be cured, but medications can help control the symptoms, often dramatically. In some more advanced cases, surgery may be advised. Your health care provider may also recommend lifestyle changes, especially ongoing aerobic exercise.

2.PROBLEMS/PAINS	9.ROOT/CAUSE	5.BEHAVIOUR
1. Among the different forms of PD-related pain, musculoskeletal pain is the most common form, accounting for 40%–90% of reported pain in PD patients. 2. Augmentation by pathophysiological pathways other than those secondary to rigidity, tremor, or any of the other motor manifestations of the disease seems most probable.	Parkinson's disease is caused by a loss of nerve cells in the part of the brain called the substantia nigra. Nerve cells in this part of the brain are responsible for producing a chemical called dopamine.	Patients with Parkinson's disease (PD) can experience several behavioral symptoms, such as apathy, agitation, hypersexuality, stereotypic movements, pathological gambling, abuse of antiparkinsonian drugs, and REM sleep behavioral disorders.

3.TRIGGERS TO ACT

Dopamine acts as a messenger between the parts of the brain and nervous system that help control and co-ordinate body movements. If these nerve cells die or become damaged, the amount of dopamine in the brain is reduced.

10. YOUR SOLUTION

To build an effective and efficient Parkinson's disease prediction system for all kinds of using the Regression and Classification algorithms of Machine Learning to provide a better and easy interpretation of analysis of w so that the people with no prior knowledge can understand the results of analysis process and can be made available at anytime and at anyplace.

8. CHANNELS OF BEHAVIOUR

ONLINE:

Through Advertising in social media, news platform makes customer to know and realize the importance of Parkinson's disease that we consume for our needs and to provide awareness about the need for measuring the disease level.

4.EMOTIONS

Depression affects some 30 to 40 percent of Parkinson patients and other psychiatric co-morbidities include anxiety and apathy.

OFFLINE:

Words of mouth among customers.