

**Project Design Phase-I**  
**Proposed Solution Template**

Date	19 September 2022
Team ID	PNT2022TMID13704
Project Name	Detecting Parkinson's Disease using Machine Learning
Maximum Marks	2 Marks

**Proposed Solution Template:**

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	The main therapy for Parkinson's is levodopa. Nerve cells use levodopa to make dopamine to replenish the brain's dwindling supply. Usually, people take levodopa along with another medication called carbidopa..
2.	Idea / Solution description	Parkinson's disease can't be cured, but <b>medications can help control the symptoms, often dramatically</b> . In some more advanced cases, surgery may be advised.
3.	Novelty / Uniqueness	Young-onset Parkinson's disease (YOPD), defined as age at onset between 21 and 40 years, presents unique motor and non-motor features that differentiate this subtype from the typical late onset Parkinson's disease (LOPD), starting after age 61. Because it affects patients in the prime of their life, it often has an extraordinary impact on their family, social, and professional life.
4.	Social Impact / Customer Satisfaction	The social symptoms of PD can result in severe negative social consequences, including <b>stigma, dehumanization, and loneliness</b> , which might affect quality of life to an even greater extent than more well-recognized motor or cognitive symptoms.
5.	Business Model (Revenue Model)	The definitive cause and cure for Parkinson's Disease (PD) <b>still eludes</b> medical experts. Finding an effective strategy for managing PD's symptoms and preventing the onset of comorbidities is the most we can do to improve quality of life among sufferers.
6.	Scalability of the Solution	Parkinson's disease can't be cured, but <b>medications can help control the symptoms, often dramatically</b> . In some more advanced cases, surgery may be advised. Your health care provider may also recommend lifestyle changes, especially ongoing aerobic exercise.