Project Design Phase-I
Proposed Solution

Date	24 September 2022
Team ID	PNT2022TMID00582
Project Name	Project – Detecting Parkinson's disease using Machine Learning.
Maximum Marks	2 Marks

Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Parkinson diseases are the most critical causes of death and disability worldwide. According to the Parkinson disease foundation, The affected peoples worldwide of Parkinson disease is projected that the 1 million people are Living by 2020 in the USA. Nowadays, Parkinson disease prediction is most critical matter for clinical practitioners to take accurate decision of such disease. It's a great exercise at present time, machine learning based extensive platform can detect Parkinson disease. Medical data has grown. Data analysis through Machine learning that aims to solve a diverse medicinal and clinical issue.
2.	Idea / Solution description	The Primary Objective of the query is that exhibition of three supervised algorithms for improving Parkinson's disease analysis by detection.Machine Learning application and clinical experimentation protocol is to optimize medication dosage and delay secondary symptoms on patient. The application will be able to detect in Parkinson disease in very few minutes and notify the dangerous probability of having the disease. This application can be outstandingly helpful in peoples, where is a lack of medical institutes and as well as particular physicians. In my experiments, each classification algorithms were prepared and assessed on a training set that includes both positive and negative samples. Moreover, the work can be supportive of Parkinson disease detection by collecting data from different clinical and medical centers and can provide more accurate results for disease prediction and diagnosis. We have only investigated three popular supervised algorithms; it can be preferring more algorithms for developing the precise model of these Parkinson disease prediction and performance can be more improved.
3.	Novelty / Uniqueness	▪ ML based disease detection. ▪ Image processing

4.	Social Impact / Customer Satisfaction	It helps people to reduce their expenses and it gives a way for people who cant afford for the treatment at laste stages.
5.	Business Model (Revenue Model)	Health service

6.	Scalability of the Solution	It allows doctors to detect disease early so that amount that to be spend on treatment can be reduced at early stages.