Project Design Phase-I
Proposed Solution

Date	24-09-2022
Team Id	PNT2022TMID50876
Project Name	DETECTING PARKINSONS DISEASE USING MACHINE LEARNING
Maximum Marks	2 marks

Proposed Solution :

S.No.	Parameter	Description
1	Problem Statement (Problem to besolved)	In the present decade of accelerated advances in Medical Sciences, most studies fail to lay focus on ageing diseases. These are diseases that display their symptoms at a much advanced stage and makes a complete recovery almost improbable. Parkinson's disease (PD) is a member of a larger group of neuromotor diseases marked by the progressive death of dopamine producing cells in the brain. Providing computational tools for Parkinson disease using a set of data that contains medical information is very desirable for alleviating the symptoms that can help the amount of people who want to discover the risk of disease at an early stage. Parkinson's disease (PD) is the second most commonly diagnosed neurodegenerative disorder of the brain. One could argue, that it is almost

		incurable and inflicts a lot of pain on the patients. All these make it quite clear that there is an oncoming need for efficient, dependable and expandable diagnosis of Parkinson's disease. A dilemma of this intensity requires the automating of the diagnosis to lead accurate and reliable results. It has been observed that most PD Patients demonstrate some sort of impairment in speech or speech dysphonia, which makes speech measurements and indicators one of the most important aspects in prediction of PD. The aim of this work is to develop an effective and accurate model in order to help diagnose the disease accurately at an earlier stage which could in turn help the doctors to assist in the cure and recovery of PD Patients.
2	Idea / Solution description	● You can directly check your prediction. ● User can apply their data on the respective section to find the prediction. ● It will tell whether the person is affected or not with the parkinsons disease.

3	Novelty / Uniqueness	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. Prediction is made topredict the presence of the disease by analyzing the factors.
4	Social Impact / Customer Satisfaction	• Increase sales and conversations • Personalize the customer experience • Build brand awareness • Deal with customer queries • Accurate and quick prediction.
5	Business Model (Revenue Model)	• Growth opportunities • Fits into the pocket • Economical Development • Uncomplicated interface
6	Scalability of the Solution	• Improved user engagement. • Drive sales. • Reduce user acquisition cost. • Immediate response for user.