PROJECT DESIGN PHASE – I

PROPOSED SOLUTION

DATE	30-09-2022
TEAM ID	PNT2022TMID39601
PROJECT NAME	DETECTING PARKINSONS DISEASE USING MACHINE LEARNING

PROPOSED SOLUTION:

S.NO	PARAMETER	DESCRIPTION
1.	Problem Statement (Problem to be Solved)	The main aim is to predict the prediction efficiency that would be beneficial for the patients who are suffering from Parkinson and the percentage of the disease will be reduced. Generally, in the first stage, Parkinson's can be cured by the proper treatment So important to identify the PD at the early stage for the betterment of the patients. The main purpose of this research work is to find the best prediction model the best machine learning technique which will distinguish the Parkinson's patient from the healthy person. The techniques used in this problem are KNN, Naïve Bayes, and Logistic Regression. The experimental study is performed on the voice dataset of Parkinson's patients which is downloaded from Kaggle. The prediction is evaluated using evaluation metrics like confusion matrix, precision, recall accuracy, and f1-score.
2.	Idea / Solution Description	This system is built by using the k-nearest neighbours (KNN) algorithms of Machine Learning. By using this system, we can predict the Diagnosis of Parkinson's disease.
3.	Novelty / Uniqueness	This system carries out the prediction in a flawless way and provides various

		visualisations of the interpreted results. It also provides various information regarding the Diagnosis of Parkinson's disease to be employed.
4.	Feasibility of Idea	The feasibility of implementing this idea is moderate neither easy nor tough because the system needs to satisfy the basic requirements of the needs as well as it should act as a bridge towards achieving Parkinson's disease considering all the necessary parameters.
5.	Business Model (Revenue Model)	This system provides more reliable service to the wide variety of needs who wish to test the Parkinson's disease and the system ensures the trust to the needs who are using it.
6.	Social Impact / Customer Satisfaction	By using this system, the users can predict the Parkinson's disease. It gives assured on enhancing the level of Prediction and reduces the ill effects of for the people who affected by the Parkinson's disease.
7.	Scalability of the Solution	By implementing this system, the people can efficiently and effectively predict Parkinson's disease they wish to use at any time. This system can also be integrated with the future technologies.