Project Design Phase-I
Proposed Solution

Date	12 October 2022
Team ID	PNT2022TMID31762
Project Name	EARLY DETECTION OF CHRONIC KIDNEY DISEASE USING MACHINE LEARNING
Maximum Marks	2 Marks

Proposed Solution:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	1. Chronic kidney Disease (CKD) means your kidneys are damaged and not filtering your blood the way it should. The primary role of kidneys is to filter extra water and waste from your blood to produce urine and if the person has suffered from CKD, it means that wastes are collected in the body. 2. This disease is chronic because of the damage gradually over a long period. It is flattering a common disease worldwide. Due to CKD may have some health troubles.
2.	Idea / Solution description	1. The idea of approaching the problem is by creating a suitable machine learning model which involves deep understanding of the data. 2. Data processing technique which makes it suitable for machine learning model training and prediction using different approach of model creation depending on the dataset and output
3.	Novelty / Uniqueness	1. Easy to use User interface (UI) 2. Accuracy by comparing the performance of different ml model technique
4.	Social Impact / Customer Satisfaction	1. Helps in early diagnosis of the disease 2. Greater cost reduction in hospitals for testing 3.
5.	Business Model (Revenue Model)	1. Subscription based model with initial trial basis 2. Charges/commission for the actual prediction and recovery of a person

6.	Scalability of the Solution	1. maintaining the ml model by tweaking the parameter which doesn't play vital role in prediction by seeing the next set of dataset 2. regular maintenance and changes in model with new features included in i