

Project Design Phase-I
Proposed Solution Template

Date	24 September 2022
Team ID	PNT2022TMID00056
Project Name	Early Detection of Chronic Kidney 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)	Many people suffer from Chronic Kidney Disease(CKD) which is life-threatening when identified in a serious stage and needs effective treatment at an early stage.
2.	Idea / Solution description	The aim of this project is to detect Chronic Kidney Disease even before there are symptoms so that effective treatment can be given at the right time.
3.	Novelty / Uniqueness	This project uses parameters from various test results other than those for CKD to diagnose the disease.
4.	Social Impact / Customer Satisfaction	As this solution predicts the disease at an early stage the patients can get the right treatment at the right time. Also It helps doctors to quickly diagnose the disease.
5.	Business Model (Revenue Model)	This project can be kept open for people to have easy access as a website so that anyone can get quick diagnosis at the earliest. Hence revenue can be generated from the use of this website as a tool by Doctors and common public as well.
6.	Scalability of the Solution	It can be improved by reducing the number of parameters needed for this prediction and also increase the accuracy. Further this solution can be applied to detect various other diseases in the future.