Project Design Phase-I
Proposed Solution

Date	23 September 2022
Team ID	PNT2022TMID32547
Project Name	Project –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)	The patient needs a way to detect Chronic Kidney Disease at early stage accurately and cost effectively, so that the chances of curing the disease is high.
2.	Idea / Solution description	Creating a machine learning model that uses attributes of medical tests taken for different purposes to detect Chronic Kidney Disease at early stage.
3.	Novelty / Uniqueness	Instead of taking separate tests for initial diagnosis of Chronic Kidney Disease we use attributes of general medical tests that contain useful information about kidney diseases to detect CKD at early stage.
4.	Social Impact / Customer Satisfaction	Since CKD is detected at early stages ,there are high chances of curing the disease . This helps customer get right treatment at the right time.
5.	Business Model (Revenue Model)	This is a cost effective model ,because when the patient uses this model they don't have to spend copious amount of money just for initial diagnosis .
6.	Scalability of the Solution	This model can be expanded to include more attributes for more accurate detection .Training the model with even more attributes will increase the efficiency further.