

Project Design Phase 1

Proposed Solution Document

Date	6 October, 2022
Team ID	PNT2022TMID33248
Project Name	Early Detection Of Chronic Kidney Disease Using Machine Learning
Maximum Marks	2 Marks

S. No	Parameter	Description
1.	Problem Statement (Problem to be solved)	CKD is one of the most critical illness nowadays and proper diagnosis is required as soon as possible.
2.	Idea/Solution description	To provide a prediction algorithm to predict Chronic Kidney Disorders at an early stage. The dataset shows input parameters collected from the CKD patients and the models are trained and validated for the given input parameters..
3.	Novelty/Uniqueness	To diagnose CKD, decision tree, random forest, and support vector machine learning models are built.
4.	Social Impact/Customer Satisfaction	It prevents the kidney failure by diagnosing it in the early stages which requires continuous dialysis or kidney transplantation to maintain a normal life. Early prediction would reduce the risks and improves the life expectancy.
5.	Business Model (Revenue Model)	This product can be utilized by patients and also people who wants to know about their kidney health. It is productive and helpful for patients by rescuing them from kidney failure. .

6.	Scalability of the Solution	To execute this technique we need to develop a Web Application which helps in early prediction of the disease by using various data given by the people
----	-----------------------------	---

