

Project Design Phase-I
Proposed Solution Template

Date	27 September 2022
Team ID	PNT2022TMID12535
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)	To develop an application to detect chronic kidney diseases in its early stages with patient health data.
2.	Idea / Solution description	Given the required patient data, we propose a solution wherein a machine learning model is leveraged to diagnose CKD at the earliest.
3.	Novelty / Uniqueness	Convenient user interface for first time users. K-nearest neighbours classification for better accuracy.
4.	Social Impact / Customer Satisfaction	Users can be aware of the presence of CKD at the earliest and receive appropriate medical treatment
5.	Business Model (Revenue Model)	Transaction based model, where the user of the product can be casual users or hospitals and laboratories.
6.	Scalability of the Solution	The developer can scale the solution as per needs and extend functionality to detect other diseases.