

Project Design Phase-I
Proposed Solution Template

Date	03 November 2022
Team ID	PNT2022TMID49895
Project Name	Early Detection of Chronic Kidney Disease
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)	Data mining deals with extraction of helpful data from vast amounts of knowledge. several alternative terms are getting used to knowing data mining, like mining of data from databases, knowledge extraction, information analysis, and information anthropology.
2.	Idea / Solution description	we present predictive models using machine learning techniques that can predict chronic kidney disease including decision tree, logistic regression, K-nearest neighbours and support vector machine models.
3.	Novelty / Uniqueness	The development of the CKD with many other clinical features is related to epidemiology. In general, nephrophrologists use two tests to check for the use of CKD, blood testing and urine tests . Factors that can affect CKD are genetics, diabetes ,obesity, and aging.
4.	Social Impact / Customer Satisfaction	Chronic kidney disease disproportionately affects populations with relatively poor social determinants of health. Knowledge of social determinants, applying what one knows, and addressing the social, economic, and physical barriers to health can help improve individual and population health, reduce health disparities, and advance health equity.
5.	Business Model (Revenue Model)	Business models and business plans are both important tools that help you create and refine your <u>strategy</u> . Many times you will use both when pursuing a new business initiative, but they each serve a different purpose.
6.	Scalability of the Solution	CKD patients regularly receive peritoneal dialysis as a common CKD treatment. An emerging technological solution is telehome care as way to support patients receiving PD in their homes