

Project Design Phase-I
Proposed Solution Template

Date	10 October 2022
Team ID	PNT2022TMID38667
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)	I am a Medical Researcher I am trying to estimate the prevalence, evaluate the risk factors of Kidney disease and determine the association between disease and its risk factors but it is difficult to categorize the data because algorithm cannot handle huge datasets which makes me feel to work on large datasets and more number of features for earlier prediction.
2.	Idea / Solution description	Implement feature embedding method to work on large datasets and add more number of features for earlier prediction.
3.	Novelty / Uniqueness	Feature embedding from neural networks
4.	Social Impact / Customer Satisfaction	The feature embedding method allows to apply feature selection which only considers most important parameters(hyper-parameters) that can easily predict the Chronic Kidney Disease.
5.	Business Model (Revenue Model)	Premium model – it attracts customers by introducing them to basic, limited-scope products and customer need to pay extra to upgrade the services.
6.	Scalability of the Solution	The Chronic Kidney Disease prediction model is scalable because more number of features are added and if number of users increases also it can predict the result efficiently.