

Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID12981
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 the proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Early Detection of Chronic Kidney Disease using Machine Learning
2.	Idea / Solution description	By the use of a hybrid model that perfectly unites different computations, processes, or procedures from equivalent or different spaces of data or areas of usage fully intended to enhance each other
3.	Novelty / Uniqueness	Hard and soft exudates, as well as other diverse situations like haemorrhage and microaneurysms individually, are not Distinguished by any system. Models like RESNET-50, Xception etc., which are pre-trained and are highly complex.
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none">• Early detection of the disease• Efficient prediction mechanism with faster results.• Easy to use and understand
5.	Business Model (Revenue Model)	<ul style="list-style-type: none">• Early detection of the disease• Efficient prediction mechanism with faster results.• Easy to use and understand
6.	Scalability of the Solution	The model is scalable from the architecture and dataset training perspective. We can train huge amounts of image data by converting them into .npy / .npz file format which would facilitate easy storing, retrieving and processing.