

**Project Design Phase-I**  
**Proposed Solution Template**

Date	19 September 2022
Team ID	PNT2022TMID46390
Project Name	Early Detection of Chronic Diseases 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 diseases using machine learning.
2.	Idea / Solution description	<p>Strategies that are known to reduce mortality or prevent progressive loss of kidney function in CKD.</p> <ol style="list-style-type: none"><li>1. Control of BP use of an angiotensin -converting enzyme inhibitor or angiotensin Receptorblocker and strain treatment.</li><li>2. Control of blood glucose and use of sodium-glucose cotransporter inhibitors in people with diabetes.</li></ol> <p>Early detection of CKD should be Beneficial because it enables clinicians to initiate effective treatment of mild prevention loss of kidney function and delaying Or avoiding progression to kidney failure.</p>
3.	Novelty / Uniqueness	<p>Novelty of this project is to predict whether the patient has chronic kidney disease or not, in a more accurate and faster way.</p> <p>Ans also predict deficiency of nutrients of the patients and give the nutrition diet chart that improves their health.</p> <p>Not only providing the nutrition diet chart for chronic kidney disease. That nutrition diet chart helps to improve any other diagnosed severe diseases also.</p>

4.	Social Impact / Customer Satisfaction	Social impacts such as education, unemployment status, income, familiarity and social stress have also a major role in determining chronic diseases both directly and indirectly by increasing susceptibility to behavioral risk factors.
5.	Business Model (Revenue Model)	Can generate revenue through direct customers. Can collaborate with the health care sector and generate revenue from their customers
6.	Scalability of the Solution	In Existing system the severe of kidney disease measured by common symptoms, such as blood in your pee (urine), an increased need to pee particularly at night, difficulty sleeping (insomnia), itchy skin so its takes time to find out the disease. But in our Proposed system to check whether the patient have chronic kidney disease or not, in more accurate and faster way based on certain diagnostic measurements like Blood Pressure (Bp), Albumin(AI) .This helps kidney patients to cure in early stages to take prescribed activities and foods . This method is very helpful for poor people.