Project Design Phase-I
Problem Solution Fit

Date	01 October 2022
Team ID	PNT2022TMID30154
Project Name	Project – Early Detection of Chronic Kidney Disease
Maximum Marks	

Problem-Solution Fit canvas

Purpose / Vision

Version:

1. CUSTOMER SEGMENT(S)   CS

Patient

User

6. CUSTOMER LIMITATIONS   EG. BUDGET, DEVICES   CL

Low accessibility to existing solution.

5. AVAILABLE SOLUTIONS   PROS & CONS   AS

A software exists which gets the dataset and after training the model, predicts the result. The input is collected in forms of forms.

Future possibilities is not predicted.

2. PROBLEMS / PAINS   + ITS FREQUENCY   PR

No proper guidance and heathy life

Not aware of the platform for future possibilities prediction

9. PROBLEM ROOT / CAUSE   RC

Lazy to reach out doctor for their check up.

Hospitals in distant region.

Not availability of expert doctors

7. BEHAVIOR   + ITS INTENSITY   BE

Search for the solutions available in online

Seek suggestions from others

3. TRIGGERS TO ACT   TR

Realizing their body illness

Words received form their surroundings about the disease or their heath.

10. YOUR SOLUTION   SL

If the disease is identified earlier, it can be cured. To overcome this problem, we going to develop a website and train a model with previous records of the affected patient and for the prediction we going to use the random forest algorithm. Based on the given input like the symptoms or details given by the user. It makes a decision and generate a report. Future possibilities also predicted.

8. CHANNELS of BEHAVIOR   CH

ONLINE

They can be able to view their results for the given input and download it

OFFLINE

They can be able to view the information and details regarding the disease.

They can calculate their BMI range.

4. EMOTIONS   BEFORE / AFTER   EM

Before – frustrated, tensed.

After – Relaxed, satisfied, based on result.