Project Title: Early Detection of Chronic Kidney Disease using Machine Learning   **Team ID: PNT2022TMID22220**

1. CUSTOMER SEGMENTS CS

- Diabetic Patients.
- Persons who affected related to kidney disease.
- Good Medical Professionals.

6. CUSTOMER CONSTRAINTS CC

- Not getting exact accuracy which creates fear.
- Lack of awareness of how to use the technologies.
- Network connectivity and availability.
- Delay of getting final results.

5. AVAILABLE SOLUTIONS AS

- Avoid products with added salt.
- Low amount of getting Sodium intake
- Exercise Regularly.

Explore AS, differentiate

2. JOBS-TO-BE-DONE / PROBLEMS J&P

- simple user interface for the customers.
- Ensuring the website is responsive in the long run.

9. PROBLEM ROOT CAUSE RC

- Obesity and High Blood pressure are the main cause of chronic kidney disease.
- Take Regular Health check-up.

7. BEHAVIOUR BE

- The proposed system will take test results as the features for prediction. It is then trained and using machine learning algorithms which predicts the kidney disease.
- Easier to access system by Users.

Focus on J&P, tap into BE, understand RC

3. TRIGGERS TR

- Some people will experience vomiting, loss of appetite and decreased mental sharpness. This insists them to go to hospital.
- weight loss and poor appetite.
- blood in your pee (urine).

4. EMOTIONS: BEFORE / AFTER EM

- Before : Anxiety, Depressed, Frustration, Swelling.
- After : Peace, Self-Awareness and good life

10. OUR SOLUTION SL

- Chronic Kidney Disease is very common, but less than 1 in 10 people with CKD ever require dialysis (artificial kidney treatment) or a kidney transplant
- Someone with CKD is at increased risk of heart attack or stroke, especially if they smoke or are overweight
- People with CKD should have regular checks of their kidney function and blood pressure, and have treatment if their blood pressure is elevated.

8. CHANNELS of BEHAVIOUR CH

8.1 ONLINE

- Patients providing appropriate test results to be entered in the web application.

8.2 OFFLINE

- Patients visit the laboratories where their details would be entered in the web application to display the accurate results of prediction.

Identify Strong TR & EM