Common persons who want

have chronic kidney disease

to determine whether they

1. CUSTOMER SEGMENT(S)

AS

BE

CH

Extract online & offline CH of BE

AS, differentiate

## 2. JOBS-TO-BE-DONE / **PROBLEMS**

The current GFR test may only reveal renal functioning rather than chronic kidney disease. The recipient and donor of a kidney transplant both experience severe agony. In this instance, CKD causes mortality which is a major worry

CS

J&P

EM

**CAUSE** 

## 6. CUSTOMER CONSTRAINTS

If you have kidney disease lowering your consumption of potassium, phosphorus and sodium can be crucial to managing your condition. It is probably recommended to limit or avoid the foods with high potassium .salt and phosphorus levels that are described above.

5. AVAILABLE SOLUTIONS

> People can test for indications of CKD at home with the minuteful kidney test app and kit and receive quick clinical findings. Kidney transplantation is a treatment option for those with significantly diminished kidney function in place of dialysis

9. PROBLEM ROOT

Finding a root cause of CKD is challenging because it has no symptoms. Early on, they would have missed it or dismissed it. Some of the underlying causes may include excessive blood sugar, high blood pressure, anaemia, inappropriate lifestyle and dietary choices

BEHAVIOUR

RC

SL

The front - end of the developed system will initially accept patient test results as input. The future is predicted by the ML model using the provided input. Users benfit much frome it because it is esay to use and free

3. TRIGGERS

When individuals have blood pressure, high blood sugar, anaemia, etc. They might observe their buddies getting GFR tests. When abdominal pain occurs, people, might get checked out

**EMOTIONS: BEFORE / AFTER** 

People with CKD who experience pain may feel depressed, while those who are diagnosed and treated early on may feel pleased

10. YOUR SOLUTION

Early detection of CKD should be advantageous when using a web application since it enables healthcare professionals to start treating mild disease effectively, limiting kidney function loss, and delaying or preventing the development of renal failure. "Prevention is better than cure"

CHANNELS of BEHAVIOUR

## 8.1 Online

The patient must enter the relevant test data from their health check-up into a web application for the machine learning model to prevent a prediction.

## 8.2 OFFLINE

Patients must visit a hospital to complete their health examination, where the results are then transmitted by the web application