# Project Design Phase-I
## Problem Solution -fit

| Date | 16/10/2022 |
|---|---|
| Team ID | PNT2022TMID21848 |
| Project Name | Early Detection of Chronic kidney Disease Using Machine Learning |
| Maximum Marks | |

## Problem Solution -fit:

| 1.CUSTOMER SEGMENT(S) (CS)<br><br>> Patients, doctors,nurses and regular individuals who have some symptoms that who wants to know whether he/she have Chronic kidney disease | 2.JOBS-TO-BE-DONE / PROBLEMS (J&P)<br><br>>Detect The illness at an early stage<br>>Make the application user-friendly for customers<br>>create a user-friendly interface<br>>Make sure the predictions are correct | 3. TRIGGERS (TR)<br><br>> The Customer easily predict CKD in their respective places<br><br>4. EMOTIONS: BEFORE/AFTER (EM)<br><br>>Before:Disappointed,depressed,fearful and Anxiety.<br>>After:Positivity, peace and Self-assurance. |
|---|---|---|
| 5. AVAILABLE SOLUTIONS (AS)<br><br>> the Diagnosis made manually by doctors in Lab testing using a variety of test findings | 6.CUSTOMER CONSTRAINTS (CC)<br><br>>Lack of skilled Doctors<br>>Expensive Diagnostic procedures<br>>Negligent human mistake<br>>Longer detection times for illnesses | 7. BEHAVIOR (BE)<br><br>> It is user interactive interface.So,customer can easily understand the application |
| 8. CHANNELS OF BEHAVIOR (CH)<br><br>>Get information about the illness and its symptoms by searching the internet<br>>Seek diagnosis and treatment at a hospital. | 9. PROBLEM ROOT CAUSE (RC)<br><br>> A Lack of facilities in hospitals<br>>Lack of experience of doctors<br>>Expensive diagnostic Procedures<br>>Human mistake in manual diagnosis | 10. YOUR SOLUTION (SL)<br><br>>A machine learning model that uses test data from other diseases to diagnose CKD in its early stages correctly and prevent manual mistakes in diagnosis. |