

## PROJECT DESIGN PHASE-1

### PROBLEM SOLUTION FIT

Date	30 SEPTEMBER 2022
Team ID	PNT2022TMID15455
Project Name	Early Detection of Chronic Kidney Disease Using Machine Learning
Maximum Marks	2 Marks

#### Problem Solution Fit:

Define CS, fit into CC	<b>1. CUSTOMER SEGMENT(S)</b> <span>CS</span> Chronic Kidney Disease Affected Patient.	<b>6. CUSTOMER CONSTRAINTS</b> <span>CC</span> Collecting dataset will be major breakout. It is cost efficient. Training the model will require considerable amount of time.	<b>5. AVAILABLE SOLUTIONS</b> <span>AS</span> Currently, Classification, Deep Learning algorithms are used to predict the Kidney Disease.	Explore AS, differentiate
	<b>2. JOBS-TO-BE-DONE / PROBLEMS</b> <span>J&amp;P</span> The data collected should be preprocessed and analysis are needed to be performed by using Machine Learning Techniques. Among various Techniques, the one which has the ability to provide the optimum output.	<b>9. PROBLEM ROOT CAUSE</b> <span>RC</span> The major root cause of the problem is improper drinking of water and not following proper health diet. not having proper awareness is also being a root cause.	<b>7. BEHAVIOUR</b> <span>BE</span> They need to perform the analysis in the corresponding health sectors which holds the license.	
Focus on J&P, tap into BE, understand RC	<b>3. TRIGGERS</b> <span>TR</span> They may have the trigger while hearing about the result of the diagnosed diseases. It gives more accurate results in the short span of time.	<b>10. YOUR SOLUTION</b> <span>SL</span> Our Project is about diagnosing the chronic kidney disease based on the previous diagnosed records by using Machine Learning Techniques.	<b>8. CHANNELS of BEHAVIOUR</b> <span>CH</span> Online: By using the previously diagnosed image, user can able to analyze the their symptoms. And handy devise can be able to implemented in order to self-analyze user's kidney. Offline: By visiting the nearby health sector which has the system to process the Kidney diagnosis.	Focus on J&P, tap into BE, understand RC
	<b>4. EMOTIONS: BEFORE / AFTER</b> <span>EM</span> Before: Customer may get triggered emotionally after hearing about the analyzed results. After: But it helps to early diagnose of the disease and probability of curability is high. It is highly recommendable.			