

## SOLUTION FIT TEMPLATE

**PROJECT : EARLY PREDICTION OF CHRONIC KIDNEY DISEASE USING MACHINE LEARNING**

**TEAM ID: PNT2022TMID33248**

Define CS, fit into C	<b>CUSTOMER SEGMENT(S)</b> <span>CS</span> Patients and other people who wants to keep a check on their kidney health.	<b>CUSTOMER CONSTRAINTS</b> <span>CC</span> People are required to answer the questions and share the required medical data inorder to analyse their health conditions which helps in the accurate prediction of CKD	<b>AVAILABLE SOLUTIONS</b> <span>AS</span> CKD is an aysmptomatic disease which is very difficult to diagnose in its early stages once it's diagnosed at its final stage it requires continuous dialysis or kidney transplantation to maintain a normal life.	Explore AS, differentiate
	<b>JOBS-TO-BE-DONE / PROBLEMS</b> <span>J&amp;P</span> It prevents the kidney failure by diagnosing it in the early stages which requires continuous dialysis or kidney transplantation to maintain a normal life. Early prediction would reduce the risks and improves the life expectancy.	<b>PROBLEM ROOT CAUSE</b> <span>RC</span> CKD has no symptoms in the early stages people at higher risk should be tested regularly. Regular testing is recommended for the people with high blood pressure and diabetes	<b>BEHAVIOUR</b> <span>BE</span> This product can be utilized by patients and also people who wants to know about their kidney health. It is productive and helpful for patients by rescuing them from kidney failure.	
Focus on J&P, tap into BE, understand RC				Focus on J&P, tap into BE, understand RC

Identify Strong T&E	<div>TRIGGERS</div> <div>TR</div> <p><b>BEFORE:</b> CKD cannot be diagnosed at early stages which would decrease the life expectancy of the patients.</p> <p><b>AFTER:</b> A prediction algorithm is designed to predict Chronic Kidney Disorders at an early stage.</p>	<div>YOUR SOLUTION</div> <div>SL</div> <p>To provide a prediction algorithm to predict Chronic Kidney Disorders at an early stage. The dataset shows input parameters collected from the CKD patients and the models are trained and validated for the given input parameters.</p>	<div>CHANNELS OF BEHAVIOUR</div> <div>CH</div> <p><b>ONLINE</b></p> <p>To execute this technique we need to develop a Web Application which helps in early prediction of the disease by using various data given by the people</p>	Identify Strong T&E
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