Project Title: Early Detection of Chronic Kidney Disease using Machine Learning

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Project Design Phase-I - Solution Fit Template

Define CS, fit into CC

1. CUSTOMER SEGMENT(S)

Who is your customer?

CS

Globally kidney chronic disease is a thread and also it is hard to know whether the persons is affected or not hence the customers in this topic is global persons who wants to know he/she is affected by chronic disease

6. CUSTOMER CONSTRAINTS

What constraints prevent your customers from taking action or limit their choices of solutions?

The began to reduce their chance of finding best solutions and also take the words of neighbors, others could limit their possibilities of taking best decisions under those circumstances

5. AVAILABLE SOLUTIONS

Which solutions are available to the customers when they face the problem

or need to get the job done? What have they tried in the past? What pros & cons do these solutions have?

Analyzing a sample of your urine (urinalysis) may reveal abnormalities that suggest kidney failure and taking blood test but it not much reliable because it doesn't show exactly whether the person is under worse condition.

Explore AS, different

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

2. JOBS-TO-BE-DONE / PROBLEMS

Which jobs-to-be-done (or problems) do you address for your customers? There could be more than one; explore different sides.

The major thread of kidney chronic disease is that it is unknow before till it becomes worse condition so our solution implies the best method to predict whether the host is affected by chronic disease in the real time and choose to take further cause for that

9. PROBLEM ROOT CAUSE

RC

What is the real reason that this problem exists? What is the back story behind the need to do this job?

Diabetes and high blood pressure, or hypertension, are responsible for two-thirds of chronic kidney disease cases. Doesn't taking much precautions for those disease will lead them to renal affection

7. BEHAVIOUR

BE

What does your customer do to address the problem and get the job done?

The best method to reduce the risk of kidney chronic is to predict it earlier which will make great impact to take much cause to prevent or safe guard from the hazardous stage. The internet is wide open now a days so make the prediction via online is much more reliable for persons

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

3. TRIGGERS

TR

What triggers customers to act?

Diabetes is the most common cause of kidney disease. Both type 1 and type 2 diabetes. But also heart disease and obesity can contribute to the damage that causes kidneys to fail. Urinary tract issues and inflammation in different parts of the kidney can also lead to long-term functional decline

10. YOUR SOLUTION

SL

If you are working on an existing business, write down your current solution first, fill in the canvas, and check how much it fits reality.

End stage renal disease (ESRD) describes the most severe stage of chronic kidney disease (CKD), when patients need dialysis or renal transplant. There is often a delay in recognizing, diagnosing,

8. CHANNELS of BEHAVIOUR

CH

8.1 ONLINE

What kind of actions do customers take online? Extract online channels from #7

Via a web application the prediction goes on and it takes some parameters of persons to calculate

8.2 OFFLINE

Taking offline requirements such as health data of persons makes the prediction much more accurate to predict

Template

	4. EMOTIONS: BEFORE / AFTER EM How do customers feel when they face a problem or a job and afterwards? They started to loss their control when they face the problem before and after that condition they loss their ability to take control over situations	and treating the various etiologies of CKD. The objective of the present study was to employ machine learning algorithms to develop a prediction model for progression to ESRD based on a large-scale multidimensional database we will be going through the Chronic kidney disease dataset and doing the complete analysis on the same our main goal will be to predict whether an individual will have chronic kidney disease or not based on the data provided.	