

Project Design Phase-I - Solution Fit Template

Project Title: Statistical Machine Learning Approaches to Liver Disease Prediction

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Define CS, fit into CC	1. CUSTOMER SEGMENT(S) CS The people affected by liver diseases and the people included in the survey belong to the customer segments.	6. CUSTOMER CONSTRAINTS CC There are people who don't have access to internet even now and don't have electronic gadgets.	5. AVAILABLE SOLUTIONS AS Early diagnosis of disease is an important aspect. By monitoring basic symptoms , we can help in the management of liver diseases.	Explore AS, differentiate	
	2. JOBS-TO-BE-DONE / PROBLEMS J&P We need to collect a huge sample of data for training the model. By using machine learning , we have to predict the severity of the disease with the help of basic health parameters related to liver.	9. PROBLEM ROOT CAUSE RC The patients aren't aware of the diseases affecting the liver ,hence they don't take care of themselves during the initial stages which worsens their health condition.	7. BEHAVIOUR BE Patients can refer medical professionals for more information or if not satisfied with the end result.		Focus on J&P, tap into BE, understand RC
	3. TRIGGERS TR The patients struggle in distress , unable to concentrate in their work , hence affecting their normal life.	10. YOUR SOLUTION SL Early diagnosis and consistent monitoring and treatment. Prediction of disease using machine learning algorithms. A user friendly app which is easy to access.	8.Channels of Behavior CH Online: Using our web application , the patient's symptoms are Monitored effectively . Offline: Direct face to face consultation with medical professionals.		
4. EMOTIONS: BEFORE / AFTER EM Before: People struggle with the disease , some people aren't even aware at the early stages. After: Diagnosing early and treating it will increase the chances of rescuing them from it.					
Identify strong TR & EM					

