

Early Detection of Chronic Kidney Disease using Machine Learning

Project Design Phase-I - Solution Fit

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| Define CS, fit into CC | | Explore AS, differentiate CC, fit into AS | |
| 1. CUSTOMER SEGMENT(S) Who is your customer? Doctors who felt difficulties in finding the presence of chronic disease quickly using the report of patient | CS | 6. CUSTOMER CONSTRAINTS What constraints prevent your customers from taking action or limit their choices? By using the web application which inbuilt using machine learning model makes easy to find the presence of chronic disease instantly | |
| | | 5. AVAILABLE SOLUTIONS Which solutions are available to the customers when they face the problem or need to get the job done? There are solution models available with different algorithms. Here we have used ensemble technique to build the model and created a web application using flask connectivity | |
| Focus on J&P, tap into BE, understand RC | | | |
| 3. TRIGGERS What triggers customers to act? They need to travel to hospital and wait for a long time to visit doctors to check whether they have chronic disease or not. | J&P | 9. PROBLEM ROOT CAUSE What is the real reason that this problem exists? What is the back story behind the need to do this job? Because there is a delay in analysing ach patient's report and detecting the presence of disease by using doctors manually in a quick manner. | |
| | | 7. BEHAVIOUR What does your customer do to address the problem and get the job done? They can simply login to our web application and use our chronic disease prediction model in a user friendly interface | |
| Focus on J&P, tap into BE, understand RC | | | |
| 8. CHANNELS of BEHAVIOUR What kind of actions do customers take online? Customers need to enter their details in our web frame work to get final results in online What kind of actions do customers take offline? The need to have their medical report details. | | | |