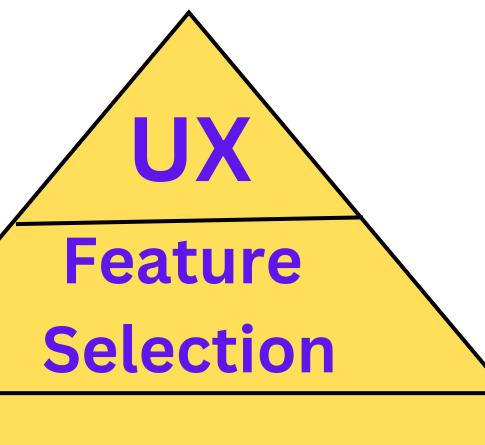# Project Design Phase 1 -- Solution Architecture

Project Domain	Applied Data Science
Project Title	Early Detection of Chronic Kidney Disease using Machine Learning
Team ID	PNT2022TMID44392
Date	1 October 2022

TARGET CUSTOMERS

First and foremost thing is to identify the patients who are all affected by the chronic kidney disease(CKD).

Identify the difficulty faced by the customer / patients

Understand needs and requirements

try to understand the needs of the patients who are all suffering from CKD

Collect the datas like BP and all the functional requirements of the patients to identify the disese

Product-Market Fit

Analyse how the designing product is going to occupy the market based

This model can upgrade to the multiple upcoming feature

The designed product will fit to the market in as a best solution

Value Proposition

A value proposition tells prospects why they should do business with you rather thancompetitors, and makes the benefits of your products or services crystal clear from the outset

The product that is being developed and it will be useful for the customers to get to know about the disease as soon as possible

This model is user friendly and various ML algorithms have been implemented to give the perfect prediction

Feature Selection

The features that are identified from the patients are trained with the ML model for prediction

Various models are being analysed by the developer and providing the best model for the features selection

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UX

The final ux interface tells and provide the customers to predict the disease

The user interface created in this help the user to predict does their body condition satisfy with the disease requirement

The final UI designed gives the product result of the model prediction