Problem-Solution fit canvas 2.0

Visualizing and Predicting Heart Diseases with an Interactive Dash Board

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DefineCS,fitintoCC

1.CUSTOMERSEGMENT(S) CS

Whoisyourcustomer?

Predicting that whether the customer who is a patient has to know they are at risk for heart disease.

6.CUSTOMERCONSTRAINTS CC

Whatconstraintspreventyourcustomersfromtakingactionorlimittheirchoices ofsolutions?

The patient need to physically visit hospital, undergo various tests, obtain test results and consult doctor.

5.AVAILABLESOLUTIONS AS

Whichsolutionsareavailabletothecustomerswhentheyfacetheproblem orneedtogetthejobdone?Whathavetheytriedinthepast?Whatpros&consdothesesolutionshave ?

It can be predicted using data exploratory data analysis,data mining techniques etc.

ExploreAS,differentiate

FocusonJ&P,tapinto

2.JOBS-TO-BE-DONE/PROBLEMS J&P

Whichjobs-to-be-done(orproblems)doyouaddressforyourcustomers?Therecouldbemorethanone;explo redifferentsides.

- Difficulty in finding the dataset
- Difficulty in maintaining the security of data

9.PROBLEMROOTCAUSE RC

What is the real reason that this problem exists?Whatisthebackstorybehindtheneedtodothisjob? i.e.,customershavetodoitbecauseofthechangeinregulations.

- Physical tiredness
- Time consuming process
- High cholesterol
- Diabetes
- Smoking

7.BEHAVIOUR BE

Whatdoesyourcustomerdotoaddresstheproblemandgetthejobdone? i.e., directly related: find the right solar panel installer, calculate usage and benefits;indirectlyassociated:customersspendfreetimeonvolunteeringwork(i.e.Greenpeace)

Stress, unhealthy eating, and physical inactivity were the behaviors of the patients, which predict the risk factors for heart disease.

FocusonJ&P, tapint C

IdentifystrongTR&EM

3.TRIGGERS TR

Whattriggerscustomerstoact?i.e.,seeingtheirneighborsinstallingsolarpanels, readingaboutamoreefficientsolutionthenews.

- Patients to spend more time in hospitals.Patients feel physically and mentally tired.

10.YOURSOLUTION SL

Ifyouareworkingonanexistingbusiness,writedownyourcurrentsolutionfirst, fillinthecanvas,andcheckhowmuchitfitsreality.

Our idea is to propose an interactive dashboard for visualising and forecasting cardiac issues, where the user may view the evaluation of individuals' medical reports and the projected outcome. It will be visualised using IBM Cognos and

8. CHANNELSOFBEHAVIOUR CH

8.1 ONLINE

Whatkindofactionsdocustomerstakeonline?Extractonlinechannelsfrom#7

The user will provide their data using aninteractive dashboard to get precise predictions.

8.2 OFFLINE

Whatkindofactionsdocustomerstakeoffline?Extractofflinechannelsfrom#7andusethemforc ustomerdevelopment.

The user can decide whether or not consult a doctor based on the predictionthey receive.

Extractonline&offlineCHofBE

4.EMOTIONS:BEFORE/AFTER

EM

Howdocustomersfeelwhentheyfaceaproblemorajobandafterwards?

Before

There is no reliable technique to detect cardiovascular disease in its early stages.

After

An interactive dashboard that displays the severity and stages of heart disease along with appropriate advice and suggestions

shown in a dashboard. We will first review and prepare the data set. To

forecast cardiac disease, a number of machine learning methods can be utilised.

AMALTAMA