Project Design Phase-I - Solution Fit Template

Project Title: Analytics For Hospitals' Health-Care Data   **Team ID:** PNT2022TMID28238

1. CUSTOMER SEGMENT(S) `CS`

All types of health care institutes ranging from small clinics to large hospitals.

5. CUSTOMER CONSTRAINTS `CC`

i. Budget of medical institutions
ii. Availability of data
iii. Technological constraint

8. AVAILABLE SOLUTIONS `AS`

The available solutions are,

i. Providing correct input
ii. Avoid human errors
iii. Network stability
iv. Consistent data storage
v. Improving medical technology
vi. Proper hospital management

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

The jobs to be done are,
i. Upload the patient dataset
ii. Prepare Dataset
iii. Exploring the data
iv. Perform metrics and rules
v. Visualising the data

The Problems are,
i. Wrong input
ii. Data latency
iii. Poor network standard

6. PROBLEM ROOT CAUSE `RC`

i. Improper treatment plans
ii. No proper management in hospitals
iii. Huge number of patients.
iv. Inadequate number of doctors and nurses.
v. No proper determination of LOS (length of stay)

9. BEHAVIOUR `BE`

The behavior include,

i. Can easily visualize changes in data
ii. Easy to use
iii. Customizable according to users preference

3. TRIGGER

TR

The Triggers of the solution are,
i. It takes longer time
ii. Inefficient treatment options

4. EMOTIONS: BEFORE / AFTER

EM

Before: Expected proper treatment on due time.
After: Happy with on time treatment.

7. YOUR SOLUTION

SL

Our proposed solution consists of,
i. Using LOS(length of stay) of patient
ii. Classify LOS into 11 classes
iii. Provide treatment plan based on LOS
iv. Include essential metrics based on medical history of patient

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10. CHANNELS of BEHAVIOUR **CH**

The channels that support behaviors are
i. Proper visualization of data
ii. Choosing appropriate data
iii. Simple color scheme and smart design elements
iv. Proper marketing and advertising of product