PROJECT TITLE : ANALYTICS FOR HOSPITAL HEALTH CARE DATA

PROJECT DESIGN PHASE-I : SOLUTION FIT TEMPLATE

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Define CS, fit into CC

1. CUSTOMER SEGMENT(S) CS

- Patients who are in emergency.
- Patients who are in the necessity of resources such as (oxygen cylinders,etc...)

6. CUSTOMER CONSTRAINTS CC

- Manipulation of customer records.
- Continuous network connections.
- Proper maintenance.

5. AVAILABLE SOLUTIONS AS

- Analytics for healthcare produced only the EMR and EHR results.
- Every record is comprised of one modifiable file, which means that doctors can implement changes over time with no paperwork and no danger of data replication.

Explore AS, differentiate

Focus on J&P, tap into BE, understand RC

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

- To make plan of Resource allocation.
- Prediction of LOS.
- Make use of/Manage resources effectively during pandemic times.

9. PROBLEM ROOT CAUSE RC

- Unoptimized available resources.
- Spread of infection to doctors/nurses.

7. BEHAVIOUR BE

- To acquire necessary data to analyse the LOS of a patient.
- To allocate the necessary resources.

Focus on J&P, tap into BE, understand RC

3. TRIGGERS TR

- Providing optimized treatment.
- Accurate updation of available resources.
- Reduce the waiting time of the patients incase of emergencies.

4. EMOTIONS: BEFORE / AFTER EM

- Unreliable —> Trustworthy
- Negative —> Positive
- Insecure —> Secure

10. YOUR SOLUTION SL

To observe and predict the improvement of efficiency of the healthcare management in a hospital and identifying the LOS - risk can have their treatment plan optimized to minimize LOS and lower the chance of staff infection.

- To get prior knowledge of LOS can aid in logistics such as room and bed allocation planning.
- The length of stay is divided into 11 different classes ranging from 0-10 days to more than 100 days.
- To predict the Length of Stay for each patient accurately on case by case basis so that the Hospitals can use this information for optimal resource allocation and better functioning.

8.CHANNELS OF BEHAVIOUR CH

8.1 ONLINE

- Analysis of Data collected.
- Accessing Application's features.

8.2 OFFLINE

- Data collection.
- Implementing the Suggestions provided by the application.