IDEATION PHASE

PROBLEM STATEMENT

DATE	16 SEPTEMBER 2022
TEAM ID	PNT2022TMID03446
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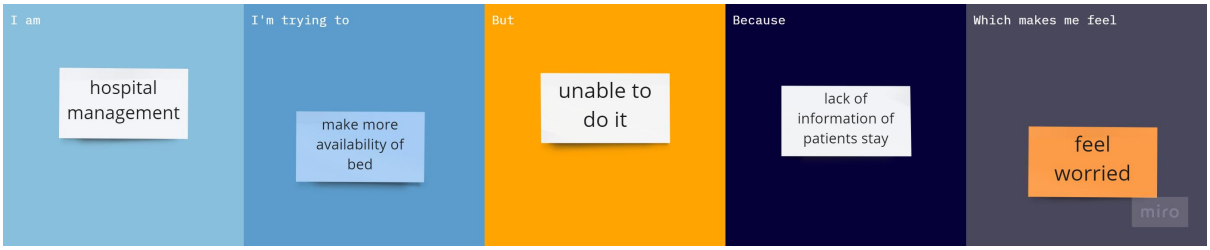
DOMAIN NAME	Data Analytics
PROJECT NAME	Analytics For Hospital Health Care Data
MAXIMUM MARKS	2 MARKS

PROBLEM STATEMENT

Recent Covid-19 Pandemic has raised alarms over one of the most overlooked areas to focus: Healthcare Management. While healthcare management has various use cases for using data science, patient length of stay is one critical parameter to observe and predict if one wants to improve the efficiency of the healthcare management in a hospital. This parameter helps hospitals to identify patients of high LOS-risk (patients who will stay longer) at the time of admission. Once identified, patients with high LOS risk can have their treatment plan optimized to minimize LOS and lower the chance of staff/visitor infection. Also, prior knowledge of LOS can aid in logistics such as room and bed allocation planning. Patient length of stay is one critical parameter to observe and predict Improper bed management and poor scheduling in contagious diseases leads to the mortality. Patients are continually denied health care due to the shortages of hospital beds, doctors.

Who does the problem affect?	The patients of the hospital.
What is the boundaries of the problem?	Patients satisfaction about the various service and management of hospital
Why is this issue occur?	Ineffective bed management operations, Improper data analysis Precaution less system.
When does the issue occur?	Improper bed allocation plan
Why is it important that we fix the problem?	➢ If it is not fixed then it is leading to treatment limitations for critically ill patients. ➢ Improper bed management in contagious diseases leads to the mortality
What is the solution to solve the problem?	➢ Hospital needs the system that announces the bed availability and identify patients of high LOS-risk. ➢ Prior knowledge of Length of stay and to prepare accordingly ➢ Enhanced data quality ,consistency and improve the reliability of reporting the data
What is the methodology used to solve the issue?	Using IBM Cognos Analytics for dashboard and data analysis.


I am
patient
I'm trying to
get a bed in hospital
But
there is unavailablility of beds
Because
less information or precaution
Which makes me feel
more frustrated
miro


I am
hospital management
I'm trying to
make more availability of bed
But
unable to do it
Because
lack of information of patients stay
Which makes me feel
feel worried
miro