Project Design Phase-I - Solution Fit Template

Project Title: Analytics for Hospitals' Health-Care Data

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1. CUS Define CS, fit into CC	STOMER SEGMENT(S) Hospital Managements C Patients	Customers require more accurate and early predictions of Length of Stay (LOS). Inadequate information about availability of required resource	5. AVAILABLE SOLUTIONS Text Mining General analysis Insight gaining by humans	Explore AS, differentiate
on 1. Analy records	ysis of patients' healthcare ct length of stay for patients	1. Solutions are generated only using the available data and no new features are extracted to get more meaningful information. 2. Usage of less efficient prediction system.	 Tracking the information with available technologies and organizing them to gain insights which can then be used to make predictions. Developing a model which predicts the length of stay of unexceptional cases with better accuracy. 	Focus on J&P, tap into BE, understand RC

3. TRIGGERS



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✓ Emergency Situations

4. EMOTIONS: BEFORE / AFTER



Before:

Patient - Not satisfied with the healthcare treatment received
Hospital Management – Not able to manage the available resources in an
efficient way as they do not know what to expect in the future.

After :

Patient: Satisfied with the healthcare treatment received
Hospital Management – Able to manage the available resources in a more
efficient way as they could be more prepared using the knowledge of the
prediction result obtained.

10. YOUR SOLUTION

A prediction analysis could be made using machine learning models which

could predict the length of stay of the patients in a particular hospital based

on features like severity of the case, age of patient, bed availability, etc. This

could in turn enable the hospital management to organize their resources

better to ensure availability making optimal use of it.



8. CHANNELS of BEHAVIOUR



ONLINE: Use of data from all region(data Exploration)

OFFLINE: Use of data Collect from nearby facilities