Project Design Phase-I
Proposed Solution

Team ID	PNT2022TMID11641
Project Name	Analytics for Hospitals' Health-Care Data
Maximum Marks	2 Marks

Proposed Solution:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	To predict the length of stay of patients and accommodation.
2.	Idea / Solution description	The length of stay can be predicted using either Fuzzy logic or Tree bagger algorithms. Along with the algorithm certain parameters like age, stage of disease, progression, etc., are used for prediction. IBM Cognos is used for analytics purposes.
3.	Novelty / Uniqueness	It predicts the result with more accuracy using which overstays can be reduced. Proper resources and therapy can be provided.
4.	Social Impact / Customer Satisfaction	Patients can get better treatment and care than before. Length of stay prediction minimizes the overflow of patients therefore hospital resource management and utilization will be maximized. Reduces expense for treatment.
5.	Business Model (Revenue Model)	• This system can be used in all government hospitals, private hospitals, and even small clinics. • Activities – Length of stay prediction. • Key Resource – Medical records. • Bed consumption is low.
6.	Scalability of the Solution	This model will predict the length of stay of all kinds of patients.