Project Design Phase-I
Proposed Solution

Date	24 September 2022
Team ID	PNT2022TMID22908
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 .
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 purpose.
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 minimize 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 in 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 kind of patients.