Project Design Phase-I
Proposed Solution Template

Date	02 November 2022
Team ID	PNT2022TMID20910
Project Name	Project – Analytics for hospital's health-care data
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	To forecast patient's length of stay.
2.	Idea / Solution description	Either Tree bagger or Fuzzy logic algorithms can be used to forecast how long a guest will remain. Age, disease stage, progression, and other factors are considered for prediction along with the algorithm. For analytical purposes, IBM Cognos is employed.
3.	Novelty / Uniqueness	It makes more accurate predictions about the outcome, which can be used to cut down on overstays. Proper therapy and resources are available.
4.	Social Impact / Customer Satisfaction	Patients can receive better care and therapy than before. Prediction of stay length reduces the hospital due to patient overflow. Resource use and management will be Maximised and lowers the cost of the treatment.
5.	Business Model (Revenue Model)	• This system is applicable to all both public and private hospitals as well as in tiny clinics. • Activities - Estimated length of stay. .Medical records are a crucial resource. • Few people use their beds.
6.	Scalability of the Solution	This model will forecast how long all patients will stay in the hospital.