Project Design Phase-I
Proposed Solution

Date	24 September 2022
Team ID	PNT2022TMID23570
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 accurately predict the Length of Stay for each patient on case by case basis so that the Hospitals can use this information for optimal resource allocation and better functioning.
2.	Idea / Solution description	Prescriptive analytics can be used to assess a patient's pre-existing conditions, determine their risk for developing future conditions, and implement specific preventative treatment plans with that risk in mind. Records are shared via secure information systems and are available for providers from both the public and private sectors. Every record is comprised of one modifiable file, which means that doctors can implement changes over time with no paperwork and no danger of data replication.
3.	Novelty / Uniqueness	The previously developed data analytics for healthcare produced only the EMR and EHR results . So in this model the details of the patients are added and it can also predict the number of days a patient is going to stay and is also capable of tracking the disease.
4.	Social Impact / Customer Satisfaction	Healthcare data analytics aims at reducing the cost of healthcare operations and processes. Hence, the treatment cost for patients will gradually go down. Not only this, healthcare data analytics has opened the doors to a plethora of job opportunities for qualified and skilled data analytics professionals. These professionals come with data-driven minds and strategic thinking, which is the need of the hour for the global healthcare industry.
5.	Business Model (Revenue Model)	The analyses investigate methods of improving the provision of clinical care, enhancing disease prevention, and measuring the effectiveness of various treatment options.
6.	Scalability of the Solution	It does not affect the performance even when the no of patients count got increased during hard times like pandemic. It can even handle large amount of data.