**Project Design Phase-I**

**Proposed Solution Template**

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| Date | 24 September 2022 |
| Team ID | PNT2022TMID44881 |
| Project Name | Analytics for hospital health care data |
| Maximum Marks | 2 Marks |

**Proposed Solution Template:**

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

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| **S.No.** | **Parameter** | **Description** |
|  | Problem Statement (Problem to be solved) | During the covid-19 pandemic, we have faced one of the  difficult times of our life. Everyone seeks to survive from the  great disaster. At the time of pandemic, noone get to know  about which hospital has vacant beds(free beds) to admit  themselves or others infected by covid. This situation made  the death rate higher. |
|  | Idea / Solution description | Predictive analytics can create patient journey dashboards and  disease trajectories that helps us to know about the patient’s  period of stay. It improves effective allocation of beds and other  resources, treatment delivery, improves efficiencies, and so on. |
|  | Novelty / Uniqueness | Healthcare data frequently resides in several locations. The  Collected data should be stored in central system(like centralized  storage). This data becomes accessible and usable when it is  combined into a single, central system, such as an enterprise data  warehouse (EDW). Uniqueness of our project is that we can able  to use data for different things such as which medicine is more  effective and for understanding behavioural pattern of particular  disease. |
|  | Social Impact / Customer Satisfaction | effective use of resource  Enhanced diagnosis  Improved Treatment  enhancing the overall quality of  treatment and life of patients |
|  | Business Model (Revenue Model) | With the gathered data, redirecting the patients to particular  hospital based on the vacancy, leading retailers used methods like  market-basket analysis to discover insights about consumer  purchase behaviour and used these insights to optimize the  physical store experience, target relevant ads and streamline the  supply chain, among other strategic initiatives. |
|  | Scalability of the Solution | variety of institutions must store, evaluate, and take action on  the massive amounts of data being produced by the health care  sector as it expands quickly. India is a vast, culturally varied nation  with a sizable population that is increasingly able to access  centralised healthcare services. |