Project Design Phase-I Proposed Solution Template

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| Date | 16 October 2022 |
| Team ID | PNT2022TMID40633 |
| Project Name | Analytics For Hospital Health Care Data |
| Maximum Marks | 2 Marks |

Proposed Solution Template:

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| **S.NO** | **PARAMETER** | **DESCRIPTION** |
| 1. | **Problem Statement (Problem to be solved)** | The goal is to enhance **predict** the bed **availability**  and improve efficiency in the health-care industry.   * Difficult to identify patients of high LOS-risk. * Improper bed allocation planning. * Poor scheduling in contagious diseases leads to the mortality. * Patients end up:   Waiting too long for treatment Being diverted to another hospital  To solve customer issues ,certain techniques need to be adopted. |
| 2. | **Idea / Solution description** | * Using data analytics tools to monitor patterns in data access, sharing, and utilization can give organizations an early warning when something changes * Creating the interactive dashboard to know the bed availability. * Automatic update by using daily sync of the daily database. * Display the status of the bed to the hospital management. |

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| 3. | **Novelty / Uniqueness** | * Using web-based portals and advanced dashboard reporting, a flexible reporting system that measures ongoing performance and provides a real-time warning system of possible problems can be added. * Responsive 24/7 Dashboard to get the bed availability and to know the high LOS risk patients. * Design dashboards and build interfaces to all data bases - begin to monitor the process. |
| 4. | **Social Impact / Customer Satisfaction** | * The ultimate goal of this project is to build dashboard and data analysis of the beds . * Good coordination within the hospital management. * Better accessibility of beds. * Improved efficiency and accuracy of health care. * Increased coordination resulting in better patient transfer and better pre-planning. * Designing and developing new models for better management of inventory. |
| 5. | **Business Model (Revenue Model)** | * Relationship have 24/7 Support, Knowledge- based updated dashboard. * The components provide immediate, highly focused improvements for maximum benefit. * Cost Structure expresses maintenance of then data. |
| 6. | **Scalability of the Solution** | * Update the data periodically. * Using flawless systems for accurately tracking the available beds * ‘Flexing’ bed capacity may be achievable for short periods. |