**Project Design Phase-I**

**Proposed Solution Template**

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| Date | 24 September 2022 |
| Team ID | PNT2022TMID33942 |
| Project Name | Project – Analytics for hospitals 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) | * Your donation helps patients who need   Plasma-derived biotherapies to improve or save their lives. Those in need are suffering from life-threatening conditions such as hemophilia, immune deficiencies, and other blood disorders. |
|  | Idea / Solution description | * Big data has changed the way we manage, analyse, and leverage data across industries. One of the most notable areas where data analytics is making big changes is healthcare. * Big data in healthcare is a term used to describe massive volumes of information created by the adoption of digital technologies that collect patients' records and help in managing hospital performance, otherwise too large and complex for traditional technologies. |
|  | Novelty / Uniqueness | * Big data analytics is fueling the healthcare industry's most exciting trends, including precision medicine, predictive analytics, and machine learning. * Partnerships and collaborations are an important feature of the precision medicine landscape, allowing research institutions to access large volumes of data from thousands or millions of patients at a time. |
|  | Social Impact / Customer Satisfaction | * We can also use this data for the prediction of current trends of certain parameters and future events. As we are becoming more and more aware of this, we have started producing and collecting more data about almost everything by introducing technological developments in this direction. * Every day, people working with various organizations around the world are generating a massive amount of data. The term “digital universe” quantitatively defines such massive amounts of data created, replicated, and consumed in a single year. |
|  | Business Model (Revenue Model) | * In order to discuss health data analytics and the role it plays in the health care sector, we must first understand the data that is being collected and analyzed. There is data being collected on the processes and procedures of the business side of health care, but there is also an enormous amount of health data being gathered, stored and analyzed. |
|  | Scalability of the Solution | * The healthcare industry historically has generated large amounts of data, driven by record keeping, compliance & regulatory requirements, and patient care. While most data is stored in hard copy form, the current trend is toward rapid digitization of these large amounts of data. * For the big data scientist, there is, amongst this vast amount and array of data, opportunity. By discovering associations and understanding patterns and trends within the data, big data analytics has the potential to improve care, save lives and lower costs. |