**Project Design Phase-I**

**Proposed Solution Template**

|  |  |
| --- | --- |
| Date | 19 September 2022 |
| Team ID | PNT2022TMID35612  **Explore AS, differentiate**  **Deﬁne CS, ﬁt into CC** |
| Project Name | Early Detection of Chronic Kidney Disease using Machine Learning |
| Maximum Marks | 2 Marks |

**Proposed Solution Template:**

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

|  |  |  |
| --- | --- | --- |
| **S.No.** | **Parameter** | **Description** |
|  | Problem Statement (Problem to be solved) | Chronic Kidney Disease (CKD) is a major medical problem and can be cured if treated in the early stages. Usually, people are not aware that medical tests we take for different purposes could contain valuable information concerning kidney diseases. |
|  | Idea / Solution description | Building a machine learning model that can predict chronic kidney disease at an earlier stage with least number of features. |
|  | Novelty / Uniqueness | Ability to detect CKD using Machine learning algorithms while considering the least number of features. |
|  | Social Impact / Customer Satisfaction | It will be useful for anyone who has diseases related to their kidney as well as anyone in the medical profession. |
|  | Business Model (Revenue Model) | Building an application using flask and making it available for the users which will be an interface for the users to interact with our model. |
|  | Scalability of the Solution | It can be used by doctor and patient for a second opinion for their Kidney related problems |