**Project Design Phase-I**

**Proposed Solution Template**

|  |  |
| --- | --- |
| Date | 19 September 2022 |
| Team ID | PNT2022TMID36181 |
| Project Name | Project – Early Detection Of Chronic Kidney Disease Using Machine Learning |
| Maximum Marks | 2 Marks |

**Proposed Solution Template:**

|  |  |  |
| --- | --- | --- |
| **S. No.** | **Parameter** | **Description** |
| 1. | Problem Statement (Problem to be solved) | Predicting the early detention of chronic kidney disease using machine learning will able to find the problem and analyse the regression with the help of different data pre processing techniques. |
| 2. | Idea / Solution description | Using a pre processing techniques will be able to analyze or get insights overview from data through visualization. In order to train the machine with pre-processed data with an algorithm to build a model. |
| 3. | Novelty / Uniqueness | In Machine Learning the dataset which will be used in the training phase is a very important point to build a successful prediction for the early chronic kidney disease. |
| 4. | Social Impact / Customer Satisfaction | Early detection of Chronic Kidney Disease in its initial stages can help the patient get effective treatment and then prohibit the progression to End Stage Renal Disease. |
| 5. | Business Model (Revenue Model) | The construction of the model capable of classifying the possibility of a diagnosis of chronic kidney disease with an accuracy of 93%. |
| 6. | Scalability of the Solution | The study concluded that the impact of obtaining a diagnosis in less time to treat the disease in early stages , reducing cost in health system. |