Project Design Phase-I

**Proposed Solution Template**

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| Date | 24 September 2022 |
| Team ID | PNT2022TMID23120 |
| Project Name | Early Detection of Chronic Kidney Disease. |
| 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) | Chronic Kidney Disease (CKD) is a major medical problem and can be cured if treated in the early stages. The main aim of this project is to predict whether the patient have chronic kidney disease or not, in more accurate and faster way using machine learning. |
|  | Idea / Solution description | Different logically organized stages were taken; data collection, pre-processing, learning, evaluation, and selection, which allowed the construction of a model capable of classifying the possibility of a diagnosis of CKD with an accuracy of 93%. |
|  | Novelty / Uniqueness | Early detection of Chronic kidney disease within few minutes. |
|  | Social Impact / Customer Satisfaction | The main aim of this project is early prediction by which disease can be cured, if treated in the early stages. |
|  | Business Model (Revenue Model) | We can generate income through direct customers or collaborate with healthcare centers. |
|  | Scalability of the Solution | Deep Neural Network model that takes in all the features to detect whether the particular patient is affected by the chronic kidney disease or not,so accuracy is guaranteed. |