**Project Design Phase-II**

**Solution Requirements (Functional & Non-functional)**

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| Date | 03 October 2022 |
| Team ID | PNT2022TMID34602 |
| Project Name | Project - Early Detection of Chronic Kidney Disease using Machine Learning |
| Maximum Marks | 4 Marks |

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

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| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| FR-1 | User Registration | Registration through Form  Registration through Gmail  Registration through LinkedIN |
| FR-2 | User Confirmation | Confirmation via Email  Confirmation via OTP |
| FR-3 | Usage of System | User having symptoms |
| FR-4 | End Result | Effective detection of Chronic Kidney Disease |
| FR-5 | Capability | Can process up to nearly 1000 users input |
|  |  |  |

**Non-functional Requirements:**

Following are the non-functional requirements of the proposed solution.

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| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | Easy for the end user to use the system |
| NFR-2 | **Security** | Software remains resilient on the face of attacks. |
| NFR-3 | **Reliability** | The system is highly dependent on the users dataset |
| NFR-4 | **Performance** | The system can handle nearly up to 1000 users concurrently |
| NFR-5 | **Availability** | The system will be available throughout the entire usage of the system by the user. |
| NFR-6 | **Scalability** | The system can perform normally and can handle the increase in workload without any degradation in performance and has ability to quickly enlarge. |