Project Design Phase-II

Solution Requirements (Functional & Non-functional)

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| Date | 03 October 2022 |
| Team ID | PNT2022TMID38362 |
| Project Name | 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 for new users |
| FR-2 | User Login | Login through credentials for existing users |
| FR-3 | User Requirements | Store past records  Generate report for presence of CKD Diagnostic remedies for symptoms |
| FR-4 | User Entry | Input form for pre-diagnostic test results |
| FR-5 | Business Requirements | Quick diagnosis for CKD |
| FR-6 | User Feedback | Allows users to submit feedback through a form |

# 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** | Simple user-friendly interface for communication |
| NFR-2 | **Security** | Safeguard the details shared by users and maintain  confidentiality |
| NFR-3 | **Reliability** | Diagnosis based on probability predicted by ML  model must be reliable |
| NFR-4 | **Performance** | Reduction in overall time taken for diagnosis |
| NFR-5 | **Availability** | Available at any time to users from various places |
| NFR-6 | **Scalability** | Needs to support numerous users at once |