**Project Design Phase-II**

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

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| Date | 03 October 2022 |
| Team ID | PNT2022TMID36181 |
| 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  Registration through Gmail  Registration through LinkedIN |
| FR-2 | User Confirmation | Confirmation via Email  Confirmation via OTP |
| FR-3 | Websites comparison | Model compares the websites using Blacklist and Whitelist approach |
| FR-4 | Prediction | Model predicts the URL using machine learning |
| FR-5 | Classifier | Model sends all the output to classifier and produces final results |
| FR-6 | Events | The quality of retrieving is needed in this model and displaying the result for a website |

**Non-functional requirements:**

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

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| **FR No.** | **Non-functional requirements** | **Description** |
| NFR-1 | **Usability** | User can have rights to access to the particular websites must be proceed and the some certain user friendly websites so it does not affect the datas |
| NFR-2 | **Security** | To check whether the particular website is secure or not secure |
| NFR-3 | **Reliability** | it must be a reliable source to the users while they using the websites |
| NFR-4 | **Performance** | The performance must be good while using the websites which the users proceeds the websites |
| NFR-5 | **Availability** | The website availability must be valid for the users to access the resource |
| NFR-6 | **Scalability** | It must be able to handle an increases in users and loads without disrupting the end users. |

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