**Project Design Phase-II**

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

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| Date | 03 October 2022 |
| Team ID | PNT2022TMID52731 |
| Project Name | Project - AI powered-Food Demand Forecaster |
| 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 |
| FR-2 | User Confirmation | Confirmation via Email  Confirmation via OTP |
| FR-3 | Home page | The user Is directed to home page |
| FR-4 | Sample use | The user would use the web application for calculating sample ideas so that he would get an idea of using it |
| FR-5 | Adding sub users and creating network | The user would add his co-workers in his application page and form an network |
| FR-6 | Feedback and support | After deployment , continuous customer support using the feedback |

**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** | The web application is required for the people working in food industry for calculating the required amount of food for a particular time period |
| NFR-2 | **Security** | The passwords and emails of the users are stored in the encrypted form. Only if the password matches the encrypted form, the user would able to access their database |
| NFR-3 | **Reliability** | The data stored in the web application is safe as it needs the correct password and verification to access the stored information |
| NFR-4 | **Performance** | The web application is designed in such a way that no matter how many users use at a time its performance remains the same and by using Advanced model and Ensemble Techniques performance is boosted |
| NFR-5 | **Availability** | The web application is available in all platforms |
| NFR-6 | **Scalability** | Ability to increase or decrease in performance and cost in response to changes in application and system processing demands. |