# Project Design Phase-II
# Solution Requirements (Functional & Non-functional)

| Date | 13 October 2022 |
|---|---|
| Team ID | PNT2022TMID15536 |
| Project Name | Nutrition Assistant Application |
| Maximum Marks | 4 Marks |

## Functional Requirements:

Following are the functional requirements of the proposed solution.

| 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 | Respective of Gender | Provides the result for the food image according to the gender they registered. Example:Male,Female |
| FR-4 | Advanced Filtering features. | Provides the result according to the customer's data. Example:Adult,teens,Pregnant Woman |
| FR-5 | Advanced Image detecting feature | Specialized camera for detecting only the food on the plate to identify the calorie content |
| FR-6 | Data Saving Capabilities. | Customers can save their obtained data of the food image detected for future reference. |

## Non-functional Requirements:

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

| FR No. | Non-Functional Requirement | Description |
|---|---|---|
| NFR-1 | **Usability** | Provides easy access for users with little technological experience. |
| NFR-2 | **Security** | Personalized data about the users such as BMI,height,weight,metabolic rate is maintained securely by making it unavailable to the third person,by making the users to create their own password. |
| NFR-3 | **Reliability** | Ensures fast resource access by providing immediate response to the food image detected. |
| NFR-4 | **Performance** | Provides best performance by using their current weight and the target in the app to scan food for calories. |
| NFR-5 | **Availability** | Depending on the user's preference, information can be showed in their convenient language. |
| NFR-6 | **Scalability** | Makes life easier for individuals who need to track their daily food intake for healthy reasons. |