**Project Design Phase-II**

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

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| Date | 03 October 2022 |
| Team ID | PNT2022TMID02791 |
| Project Name | Nutrition Assistant Application |
| 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 Gmail Registration through Outlook |
| FR-2 | User Confirmation | Confirmation via Email |
| FR-3 | Check the analysed image | Display the Nutrition value of the analysed image. |
| FR-4 | Check Nutrition content | Display the Nutrition value of the analysed image to improve the dietary habits and lifestyle. |
| FR-5 | Use food identification and food API | Upload the real time images of the meal to give the nutrition value of the identified food. |

**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 website will utilise better user interface for easy navigation. The process of finding out the results will be smooth and easy for the user. |
| NFR-2 | **Security** | The website will be protected against SQL injection, DDoS attacks and SHA are used making the website very safe for use. |
| NFR-3 | **Reliability** | The tool will give accurate and reliable results most of the time. |
| NFR-4 | **Performance** | The website will be well optimized which includes fast rendering of the pages, providing a bug-free, smooth and hassle-free experience for the user. |
| NFR-5 | **Availability** | The tool will be available for users most of the time. |
| NFR-6 | **Scalability** | The system will be scalable enough to support a lot of users at the same time while maintaining optimal performance. |