**Project Design Phase-II**

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

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| Date | 03 October 2022 |
| Team ID | PNT2022TMID49885 |
| Project Name | Project - News Tracker 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 |
| FR-2 | User Confirmation | Confirmation via Google Auth |
| FR-3 | User login | User login with username and password  Login with Gmail |
| FR-4 | User Interface | User goes through the filtered news provided by application |
| FR-5 | User Account Settings | User can upload credentials , update interests and choices of news and report any issues. |

**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 application is easily navigable, it has an interface which is user-friendly. The login/register page has simple terms which can be filled by a user who has not done it before. The user interface navigates the user to the Home page and asks for interests.The settings can be quickly accessed by the user by going to the account settings, where the credentials and interests can be changed anytime. |
| NFR-2 | **Security** | The application uses Google OAuth 2.0 / Auth0 for User authentication. |
| NFR-3 | **Reliability** | The application should be able to perform without failure in 95 percent of all use cases during a month since the IBM cloud doesn’t face down time so often. |
| NFR-4 | **Performance** | The application’s news feed page has a loading time of 6 seconds. |
| NFR-5 | **Availability** | The application must be available to the users at least 99% of the time in a month. |
| NFR-6 | **Scalability** | The application should be able to handle upto 10,000 users at a time considering the cloud factors. |