**Project Design Phase-II**

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

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| Date | 14 October 2022 |
| Team ID | PNT2022TMID16931 |
| 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 Form |
| FR-2 | **User Confirmation** | * Confirmation via OTP |
| FR-3 | **Searching** | * Search the news based on the user interest * Showing the trending news on search * Showing the Category- wise news * User can save the news needed and study later * Help users find content with categorized |
| FR-4 | **Real time News** | * User can see the Real news with Real time update * Auto update news because it fetch news from API * Show the Number of comments an article as a and the number of comment can be used as a measure of comment popularity |
| FR-5 | **Location based** | * User can view the news near to their location * User can track the Location of the news |
| FR-6 | **User friendly** | * User can publish their own articles * User can add images to their articles * Users can see the articles Published by the other users * Push notification are meant to attract users attention by using alerts, even if it’s just for a second. |

**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 news is updated almost every minute, in all this endless news flow, the user should always be able view exactly information that interest him/her at the moment. * Search and Filtering function will provide the users with the opportunity to search for information of their interest according to specific criteria and parameters. |
| NFR-2 | **Security** | * Authentication and password management * During the comment, many users can be rude or Cruel, so of course, it worth thinking of algorithms that will allow you to block offensive comments, as well as spam. |
| NFR-3 | **Reliability** | * Avoid the Fake news * Instant news at instant time * Track the location of the news |
| NFR-4 | **Performance** | * Keep users In-App for longer with related post * Show users the most relevant story first * Keep your user’s attention with list views |
| NFR-5 | **Availability** | * Continuous running for example, 24/7, minimum idle time * History of the previous news that happened before related to the present news |
| NFR-6 | **Scalability** | * Get more user’s by encouraging social sharing * Keep users In-App for longer with related post |