

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

Date	14 October 2022
Team ID	PNT2022TMID34452
Project Name	Project – NEWS TRACKER APPLICATION
Maximum Marks	4 Marks

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

<b>FR No.</b>	<b>Functional Requirement (Epic)</b>	<b>Sub Requirement (Story / Sub-Task)</b>
FR-1	<b>User Registration</b>	<ul style="list-style-type: none"><li>○ Registration through Form</li><li>○ Registration through Gmail</li></ul>
FR-2	<b>User Confirmation</b>	<ul style="list-style-type: none"><li>○ Confirmation via Email</li><li>○ Confirmation via OTP</li></ul>
FR-3	<b>Searching</b>	<ul style="list-style-type: none"><li>○ Search the news based on the user interest</li><li>○ Showing the trending news on search</li><li>○ Showing the Category- wise news</li><li>○ User can save the news needed and study later</li><li>○ Help users find content with categorized</li></ul>
FR-4	<b>Real time News</b>	<ul style="list-style-type: none"><li>○ User can see the Real news with Real time update</li><li>○ Auto update news because it fetch news from API</li><li>○ Show the Number of comments an article as a and the number of comment can be used as a measure of comment popularity</li></ul>
FR-5	<b>Location based</b>	<ul style="list-style-type: none"><li>○ User can view the news near to their location</li><li>○ User can track the Location of the news</li></ul>
FR-6	<b>User friendly</b>	<ul style="list-style-type: none"><li>○ User can publish their own articles</li><li>○ User can add images to their articles</li><li>○ Users can see the articles Published by the other users</li><li>○ Push notification are meant to attract users attention by using alerts, even if it's just for a second.</li></ul>

### Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	<ul style="list-style-type: none"><li>○ 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.</li><li>○ Search and Filtering function will provide the users with the opportunity to search for information of their interest according to specific criteria and parameters.</li></ul>
NFR-2	Security	<ul style="list-style-type: none"><li>○ Authentication and password management</li><li>○ 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.</li></ul>
NFR-3	Reliability	<ul style="list-style-type: none"><li>○ Avoid the Fake news</li><li>○ Instant news at instant time</li><li>○ Track the location of the news</li></ul>
NFR-4	Performance	<ul style="list-style-type: none"><li>○ Keep users In-App for longer with related post</li><li>○ Show users the most relevant story first</li><li>○ Keep your user's attention with list views</li></ul>
NFR-5	Availability	<ul style="list-style-type: none"><li>○ Continuous running for example, 24/7, minimum idle time</li><li>○ History of the previous news that happened before related to the present news</li></ul>
NFR-6	Scalability	<ul style="list-style-type: none"><li>○ Get more user's by encouraging social sharing</li><li>○ Keep users In-App for longer with related post</li></ul>