

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

Date	14 October 2022
Team ID	PNT2022TMID40500
Project Name	Project – NEWS TRACKER 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	<ul style="list-style-type: none"><li>➤ Registration through Form</li><li>➤ Registration through Gmail</li></ul>
FR-2	User Confirmation	<ul style="list-style-type: none"><li>➤ Confirmation via Email</li><li>➤ Confirmation via OTP</li></ul>
FR-3	Searching	<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	Real time News	<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	Location based	<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	User friendly	<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	<b>Usability</b>	<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	<b>Security</b>	<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	<b>Reliability</b>	<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	<b>Performance</b>	<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	<b>Availability</b>	<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	<b>Scalability</b>	<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>