

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

Date	15 October 2022
Team ID	PNT2022TMID24908
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	<b>User Registration</b>	<ul style="list-style-type: none"><li>• Registration through Form</li><li>• Registration through Gmail</li><li>• Registration through LinkedIn</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>• User can save the news needed and study later</li><li>• Showing the trending news on search</li></ul>
FR-4	<b>Real time News</b>	<ul style="list-style-type: none"><li>• Auto update news because it fetches news from API</li><li>• Use of ML algorithm for up-to-date information</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>• Push notification are meant to attract user attention by using alerts, even if it is just for a second.</li><li>• Links provided to get more information on the related news.</li><li>• User can get the required news by searching the context.</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, the user will always be able to view exact information that interest him/her in the moment.</li><li>• Search and Filtering function will provide the users the opportunity to search for information of their interest</li></ul>
NFR-2	<b>Security</b>	<ul style="list-style-type: none"><li>• Authentication and password management.</li><li>• Personal profile is not to shared to third-party.</li></ul>
NFR-3	<b>Reliability</b>	<ul style="list-style-type: none"><li>• Instant news at instant time</li><li>• Track the location of the news</li><li>• Avoid the Fake news</li></ul>
NFR-4	<b>Performance</b>	<ul style="list-style-type: none"><li>• Show users the most relevant story first</li><li>• Recommended news based on user likings</li><li>• Keep users in the app for longer with related post</li></ul>
NFR-5	<b>Availability</b>	<ul style="list-style-type: none"><li>• Provides 24/7 news service</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 and recommending the app to new users.</li><li>• Getting user feedback and make changes to keep the customer stay with the application.</li></ul>