

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

Date	03 October 2022
Team ID	PNT2022TMID29263
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 Gmail</li><li>● Registration through Mobile Number</li><li>● Creating Password</li></ul>
FR-2	User Confirmation	<ul style="list-style-type: none"><li>● Confirmation via Email</li><li>● Confirmation via OTP</li><li>● Verify Password</li></ul>
FR-3	User Sign in	<ul style="list-style-type: none"><li>● Verify credentials(if already exists)-Log in</li><li>● Verify credentials(if not exists)-Instruct user to register</li></ul>
FR-4	User Customization	<ul style="list-style-type: none"><li>● Choose location</li><li>● Select topics according to interest</li><li>● Prioritize top 5 topics</li></ul>
FR-5	Reading News	<ul style="list-style-type: none"><li>● Scroll for news</li><li>● Choose and click topics to read</li><li>● Select and click news headline to read full article</li></ul>
FR-6	Search News	<ul style="list-style-type: none"><li>● Use search bar to search your favorite news</li><li>● Use topics tiles to search news in specified topic</li></ul>
FR-7	Chat Bot	<ul style="list-style-type: none"><li>● Click chat bot to interact</li><li>● Ask queries and wait for reply</li><li>● Report unusual activity or fake news</li><li>● Get email to contact us</li></ul>
FR-8	Save and read	<ul style="list-style-type: none"><li>● Click download icon to save the news you want</li><li>● Click downloaded news to read at anytime</li></ul>
FR-9	Sign out	<ul style="list-style-type: none"><li>● Sign out by clicking sign out button (It requires credentials to log in again)</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>	User with basic computer and internet knowledge can use this web app
NFR-2	<b>Security</b>	User credentials are encoded and safely stored in database
NFR-3	<b>Reliability</b>	It depends server size lot of account creation needs large servers to store datas
NFR-4	<b>Performance</b>	It gives better user experience by providing sensible and user favorite news
NFR-5	<b>Availability</b>	Web app will available for anytime and everywhere
NFR-6	<b>Scalability</b>	Scalability of the web app depends on user registration, more registration leads to larger development and we will improve our app regularly and we will act for user reviews. From old person to kid everyone will access our app.