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

Date	14 October 2022
Team ID	PNT2022TMID13666
Project Name	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**	➢ Registration through Form ➢ Registration through Gmail
FR-2	**User Confirmation**	➢ Confirmation via Email ➢ 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.

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