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

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Date	16 October 2022
Team ID	PNT2022TMID09776
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**	• Registration through Form • Registration through Gmail • Registration through LinkedIN
FR-2	**User Confirmation**	• Confirmation via Email • Confirmation via OTP
FR-3	**Searching**	• Search the news based on the user interest • User can save the news needed and study later • Showing the trending news on search
FR-4	**Real time News**	• Auto update news because it fetches news from API • Use of ML algorithm for up-to-date information
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**	• Push notification are meant to attract user attention by using alerts, even if it is just for a second. • Links provided to get more information on the related news. • User can get the required news by searching the context.

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, the user will always be able to view exact information that interest him/her in the moment. • Search and Filtering function will provide the users the opportunity to search for information of their interest
NFR-2	**Security**	• Authentication and password management. • Personal profile is not to shared to third-party.
NFR-3	**Reliability**	• Instant news at instant time • Track the location of the news • Avoid the Fake news
NFR-4	**Performance**	• Show users the most relevant story first • Recommended news based on user likings • Keep users in the app for longer with related post
NFR-5	**Availability**	• Provides 24/7 news service • History of the previous news that happened before related to the present news
NFR-6	**Scalability**	• Get more user's by encouraging social sharing and recommending the app to new users. • Getting user feedback and make changes to keep the customer stay with the application.