

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

Team ID	PNT2022TMID04862
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
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Login	Login with Email Login with Verification Code
FR-4	Database Management	Authenticate of end user login information with the date stored in the database and the application necessary information stored in the database.
FR-5	Home Page	Shows the headlines of today news
FR-6	Tracker Page	Shows the interested news elaboratively
FR-7	Testing	Performing the necessary test to find the bugs and error.
FR-8	Deploying	Deployment of the application in the server with the ability to automatically scale up the resource.

## Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

<b>FR No.</b>	<b>Non-Functional Requirement</b>	<b>Description</b>
NFR-1	<b>Usability</b>	Usability shows how well the application is built for the end users in order to accept. Our app/website is used to gain knowledge by reading news.
NFR-2	<b>Security</b>	Security system consists off the user's login information along with the information provided to the application for the subscription.
NFR-3	<b>Reliability</b>	Reliability shows how far the application can satisfy the user needs with respect to the queries passed by the user.
NFR-4	<b>Performance</b>	Performance matters when the application loads faster from the server and the request and response passed from user to server and vice-versa.
NFR-5	<b>Availability</b>	Availability of the application is 24/7, which means the application can be accessed by the user at anywhere and anytime.
NFR-6	<b>Scalability</b>	Scalability depends on the number of resources used by the application to process the user's request and to provide the necessary information without crash in the database.