

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

|               |                                    |
|---------------|------------------------------------|
| Date          | 15 October 2022                    |
| Team ID       | PNT2022TMID42787                   |
| 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<br>Registration through Gmail<br>Registration through LinkedIn  |
| FR-2   | User Confirmation                   | Confirmation via Email<br>Confirmation via OTP  |
| FR-3   | User Account Sign up                | User ID or Registered Phone Number<br>Password  |
| FR-4   | User Interoperability               | Requirement describes whether a software system is interoperable across different systems.  |
| FR-5   | User Technical Compliance           | Compliance functional requirements validate that the developed system is compliant to Industrial standards  |
| FR-6   | User Requirement ID and Description | This attribute mentions the unique requirement id. Requirement Id is used in tracking the requirements in the database easily and also in mapping the requirements in code efficiently. |

**Non-functional Requirements:**

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

| FR No. | Non-Functional Requirement | Description   |
|--------|----------------------------|---|
| NFR-1  | <b>Usability</b>           | The application should be user-friendly.<br>Navigation should be simple.<br>It should be easy to learn. |
| NFR-2  | <b>Security</b>            | The functional requirement describes the security aspect of software requirements                       |

|       |                     |   |
|-------|---------------------|---|
| NFR-3 | <b>Reliability</b>  | It Should give the correct results consistently.<br>The application performs the function that the user expected.<br>The system prevents any unauthorized access and abuse.   |
| NFR-4 | <b>Performance</b>  | Performance means system throughput under a given workload for a specific timeframe.<br>Performance is validated by testing the scalability and the reliability of hardware, software and network                         |
| NFR-5 | <b>Availability</b> | Availability is when your apps remain available and accessible without any interruption and serve their intended function seamlessly  |
| NFR-6 | <b>Scalability</b>  | Scalability simply refers to the ability of an application or a system to handle a huge volume of workload or expand in response to an increased demand for database access, processing, networking, or system resources. |