

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

Date	12 June 2025
Team ID	LTVIP2025TMID33015
Project Name	Traffic Telligence: Advanced Traffic Volume Estimation with Machine Learning
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	User Dashboard	Confirmation via Email
FR-4	User Login	Login using Email & Password Login using Social Med-pia (Gmail, LinkedIn)
FR-4	User Registration	Registration through Form Registration through Gmail Registration through LinkedIN
FR-4	User Login	Login using Email & Password Login using Social Media (Gmail, LinkedIn)

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The system should provide an intuitive interface that is easy to navigate for all users.
NFR-2	Security	User data must be encrypted and access should require secure authentication methods.
NFR-3	Reliability	The system should be available with minimal downtime and handle user load without crashing.
NFR-4	Performance	The system should be available with minimal downtime and handle user load without crashing..
NFR-5	Availability	The application should have 99.9% uptime with failover support.
NFR-6	Scalability	The system must support an increasing number of users without performance degradation.