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

Date	26 June 2026
Team ID	LTVIP2025TMID35978
Project Name	Traffictelligence
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 Access	Access application without registration
FR-2	Traffic Volume Prediction	Input weather, time, and holiday data Display predicted traffic volume
FR-3	Error Handling	Show error messages for invalid inputs
FR-4	Navigation	Return to input page from result/error pages

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Intuitive interface with clear input fields and readable output
NFR-2	Security	Protect model and data inputs; no user authentication required
NFR-3	Reliability	Accurate predictions with pre-trained model (e.g., 85% R2 score)
NFR-4	Performance	Process predictions within 2 seconds
NFR-5	Availability	Accessible 24/7 via web browser
NFR-6	Scalability	Support up to 1000 users simultaneously with future enhancements