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

Date	31 January 2025
Team ID	LTVIP2025TMID34173
Project Name	Transforming Waste Management With Transfer 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		
FR-4		

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 user interface, easy navigation, and a user-friendly experience for all user types including non-technical users.
NFR-2	**Security**	The system must protect data from unauthorized access, ensure secure data transmission, and implement user authentication and role-based access control.
NFR-3	**Reliability**	The system should operate consistently and accurately under pred downtime and error rates.
NFR-4	**Performance**	The system should respond to user actions within 2 seconds and handle up to 1000 concurrent users without degradation in performance.
NFR-5	**Availability**	The system should be available 99.9% of the time annually, including during peak usage periods.

NFR-6	**Scalability**	The system should scale horizontally or vertically to accommodate future growth in data volume, number of users, and transaction loads