

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

Date	19 February 2026
Team ID	LTVIP2026TMIDS89552
Project Name	Smart Sorting: Transfer Learning for Identifying Rotten Fruits and Vegetables
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	Simple and clean UI with clear upload and result display.
NFR-2	Security	Accept only image files (jpg, png) Prevent invalid file uploads.
NFR-3	Reliability	Model should consistently classify images with stable accuracy.
NFR-4	Performance	Prediction response time less than 3–5 seconds.
NFR-5	Availability	Application accessible via local server or cloud hosting.
NFR-6	Scalability	Can be deployed on cloud and scaled for multiple users (Future Scope).