

**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	<b>Usability</b>	Simple and clean UI with clear upload and result display.
NFR-2	<b>Security</b>	Accept only image files (jpg, png) Prevent invalid file uploads.
NFR-3	<b>Reliability</b>	Model should consistently classify images with stable accuracy.
NFR-4	<b>Performance</b>	Prediction response time less than 3–5 seconds.
NFR-5	<b>Availability</b>	Application accessible via local server or cloud hosting.
NFR-6	<b>Scalability</b>	Can be deployed on cloud and scaled for multiple users (Future Scope).