Project planning Phase

Date	13 february 2026
Team ID	LTVIP2026TMIDS74869
Project Name	Transfer Learning for Identifying Rotten Fruits and Vegetables
Maximum Marks	5 Marks

Sprint	Functional Requirement (Epic)	User Story No.	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data Collection & Exploration	USN-1	As a data analyst, I can collect and explore healthy and rotten fruit image datasets to understand class distribution and quality.	3	High	Data Team
Sprint-1	Data Preprocessing	USN-2	As a developer, I can resize, normalize, and augment images to prepare them for model training.	4	High	ML Team
Sprint-2	Model Development	USN-3	As an ML engineer, I can build and train a CNN-based model to classify images as Healthy or Rotten.	5	High	ML Team
Sprint-2	Model Evaluation	USN-4	As a developer, I can evaluate the model using accuracy, precision, recall, and confusion matrix.	3	High	ML Team
Sprint-3	Web Application Development	USN-5	As a user, I can upload an image and receive a prediction result through a web interface.	5	High	Web Team
Sprint-3	Integration	USN-6	As a developer, I can integrate the trained model with the Flask web application.	4	High	Full Stack Team
Sprint-4	Testing & Validation	USN-7	As a tester, I can verify image upload, prediction	3	Medium	QA Team

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			accuracy, and error handling functionality.			
Sprint-4	Deployment	USN-8	As a system administrator, I can deploy the application locally/cloud for public access.	3	Medium	DevOps Team