

## Project Planning Phase

### Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

Date	15 February 2025
Team ID	LTVIP2025TMID35093
Project Name	Smart Sorting & Transfer Learning for Identifying Rotten Fruits and Vegetables
Maximum Marks	5 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data Collection	USN-1	As a team, we want to collect a dataset of fresh and rotten fruits from online and local vendors.	2	High	Member A
Sprint-1	Data Collection	USN-2	As a developer, I will load the dataset into the environment and label images.	1	High	Member A
Sprint-1	Data Preparation	USN-3	As a data engineer, I will handle missing data and standardize image formats.	3	Medium	Member B

S p r i n t- 1	Data Preparation	USN-4	As a developer, I will create new fields like fruit type, ripeness level, etc.	3	M e d i u m	Mem ber C
S p r i n t- 1	Data Preparation	USN-5	As a data engineer, I will handle inconsistencies in image formats and annotations.	3	M e d i u m	Mem ber B
S p r i n t- 2	Data Visualization	USN-6	As a user, I want to see fruit classification data visualized in bar charts.	2	M e d i u m	Mem ber C
S p r i n t- 2	Data Visualization	USN-7	As a user, I want to see proportion of rotten vs fresh in pie charts.	2	M e d i u m	Mem ber C
S p r i n t- 2	Data Visualization	USN-8	As a user, I want to view trends over time in line charts.	2	L o w	Mem ber C
S p r i n t- 2	Dashboard	USN-9	As an admin, I want a dashboard to display classification results in real time.	5	H i g h	Mem ber D

S p r i n t- 2	Story Generation	USN- 10	As a team, we want to auto-generate a story or summary of results from model predictions.	5	M e d i u m	Mem ber D
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