

CleanTech — Project Planning Template

Project Planning Phase

Date: 1 july 2025

Team ID: LTVIP2025TMID38158

Project Name: CleanTech

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
Sprint-1	Dataset Setup	USN-1	Load and visualize the waste dataset from Kaggle	2	High
Sprint-1	Dataset Setup	USN-2	Preprocess images into structured folders	2	High
Sprint-2	Model Development	USN-3	Build and train a VGG16 model	5	High
Sprint-2	Prediction Logic	USN-4	Test the model on random images	3	Medium
Sprint-3	Flask Integration	USN-5	UI to upload image and get predictions	5	High
Sprint-3	Flask Integration	USN-6	Display uploaded image and prediction clearly	3	Medium

Project Tracker, Velocity & Burndown Chart (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed
Sprint-1	4	5 Days	01 Feb 2025	05 Feb 2025	4
Sprint-2	8	5 Days	06 Feb 2025	10 Feb 2025	8
Sprint-3	8	5 Days	11 Feb 2025	15 Feb 2025	8

Velocity Calculation

Velocity = Total Story Points / Number of Sprints = $(4 + 8 + 8) / 3 = 20 / 3 \approx 6.67$ **SP per Sprint**

Burndown Chart

A burndown chart is a graphical representation of remaining work vs time. It helps teams monitor progress and stay aligned with sprint goals.