

## Project Planning Phase

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

Date	18 November 2023
Team ID	PNT2022TMID591573
Project Name	Project – Deep Learning Model for Eye Disease Classification
Maximum Marks	8 Marks

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

### Project Planning Table for Eye Disease Classification

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data Collection	USN-1	As a user, I can upload retinal images for model training.	3	High	[Team Member 1, Team Member 2]
Sprint-1	Data Processing	USN-2	As a user, I will receive feedback on the uploaded images' quality for training.	2	Medium	[Team Member 3]
Sprint-2	Model Development	USN-3	As a user, I can access a dashboard showing the model training progress.	2	High	[Team Member 1, Team Member 2]
Sprint-2	Model Optimization	USN-4	As a user, I can track and optimize the model's performance based on feedback.	3	High	[Team Member 1, Team Member 3]
Sprint-3	User Interface	USN-5	As a user, I can interact with a user-friendly web	5	High	[Team Member 2,

Sprint-3	User Interface	USN-5	As a user, I can interact with a user-friendly web interface for model predictions.	5	High	[Team Member 2, Team Member 4]
Sprint-3	Integration with Healthcare Systems	USN-6	As a user, I want the system to seamlessly integrate with existing healthcare databases.	4	Medium	[Team Member 3, Team Member 4]

Project Tracker, Velocity & Burndown Chart: (4 Marks)

## Project Tracker, Velocity & Burndown Chart

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as of Planned End Date)	Sprint Release Date (Actual)
Sprint-1	30	5 Days	01 Oct 2023	05 Oct 2023	30	05 Oct 2023
Sprint-2	30	5 Days	10 Oct 2023	14 Oct 2023		
Sprint-3	30	5 Days	17 Oct 2023	21 Oct 2023		
Sprint-4	30	5 Days	24 Oct 2023	28 Oct 2023		

Velocity:

- Sprint Duration: 5 Days
- Team's Average Velocity (AV) per iteration unit (story points per day) =  $30 / 5 = 6$  story points per day

### Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

## Sprint Burndown Chart

Day	Planned Story Points	Actual Story Points
1	30	6
2	24	12
3	18	18
4	12	24
5	6	30

<https://www.atlassian.com/agile/tutorials/burndown-charts>