

## Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID48260
Project Name	Deep Learning Fundus Image Analysis for Early Detection of Diabetic Retinopathy
Maximum Marks	8 Marks

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

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Registration	USN-1	As a user, I can register through website either by email id or phone number with password.	5	High	Ummul Raihan.M Sunmathi. M. M
Sprint-3	Login	USN-2	As a user, I can login to the site by the given Login credentials.	5	High	Subhiksha. M Sunmathi. M. M
Sprint-3	Upload image	USN-3	As a user,I can upload my data in the form of pdf, doc etc.	2	Medium	Subhiksha. M Jeya Sri . A
Sprint-3	Admin login	USN-4	As an admin I can login to the site and analyze the user data.	2	High	Soniga. M. P Jeya Sri . A

Sprint-1	Data collection	USN-5	As an admin, I can collect the dataset related to the DR from source.	5	Low	Soniga. M. P Ummul Raihan.M
Sprint-1	Create model	USN-6	As an admin,I can create the model for prediction.	5	High	Subhiksha. M Jeya Sri. A
Sprint-2	Test the model	USN-7	As an admin, I can test the model for prediction.	6	High	Jeya Sri . A Sunmathi. M. M

<b>Sprint</b>	<b>Functional Requirement (Epic)</b>	<b>User Story Number</b>	<b>User Story / Task</b>	<b>Story Points</b>	<b>Priority</b>	<b>Team Members</b>
Sprint-2	Diagnosis	USN-8	As a user I can get the diagnosis result on the application and follow up with treatments.	6	High	Soniga. M. P Sunmathi. M. M
Sprint-4	Train the model	USN-9	As an admin, I can train the model for prediction.	10	High	Subhiksha. M jeyasri.A

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

<b>Sprint</b>	<b>Total Story Points</b>	<b>Duration</b>	<b>Sprint Start Date</b>	<b>Sprint End Date (Planned)</b>	<b>Story Points Completed (as on Planned End Date)</b>	<b>Sprint Release Date (Actual)</b>
Sprint-1	10	6 Days	24 Oct 2022	29 Oct 2022	10	29 Oct 2022
Sprint-2	12	6 Days	31 Oct 2022	05 Nov 2022	12	05 Nov 2022
Sprint-3	14	6 Days	07 Nov 2022	12 Nov 2022	14	12 Nov 2022

Sprint-4	10	6 Days	14 Nov 2022	19 Nov 2022	10	19 Nov 2022
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### Velocity:

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV1 = \text{Sprint duration} / \text{velocity} = 10 / 6 = 1.66$$

$$AV2 = \text{Sprint duration} / \text{velocity} = 12 / 6 = 2$$

$$AV3 = \text{Sprint duration} / \text{velocity} = 14 / 6 = 2.3$$

$$AV4 = \text{Sprint duration} / \text{velocity} = 10 / 6 = 1.66$$

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.

