

Project Planning Phase

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

Date	27 October 2023
Team ID	Team-591950
Project Name	Image Caption Generation
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-1	Well-designed automotive AI	USN-1	When we input the image the AI will Generate the caption	1	High	Raju
Sprint-1	Model development	USN-2	train the selected deep learning model using the preprocessed Dataset and monitor its performance on the validation set.	2	High	Manoj
Sprint-2	Matter Recognition	USN-3	This free AI powered social media caption Generator will create the perfect caption for your photo.	2	Low	Manoj, Varun
Sprint-3	Data collection	USN-4	Preprocess the collected dataset by resizing images, normalizing pixel values, and splitting it into training and validation sets	3	Medium	Varun
Sprint-4	Testing and quality Assurance	USN-5	. Explore and evaluate different deep learning architectures (e.g., CNNs)	4	High	Raju

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

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	3	3 Days	10 Oct 2023	13 Oct 2023	12	13 Oct 2023
Sprint-2	2	2 Days	15 Oct 2023	17 Oct 2023		
Sprint-3	3	7 Days	18 Oct 2023	27Oct 2023		
Sprint-4	4	6 Days	29 Oct 2023	5 Nov 2023		

Velocity:

Imagine we have a 29-days 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)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

$$AV = 18/12 = 1.5$$

Burndown Chart:

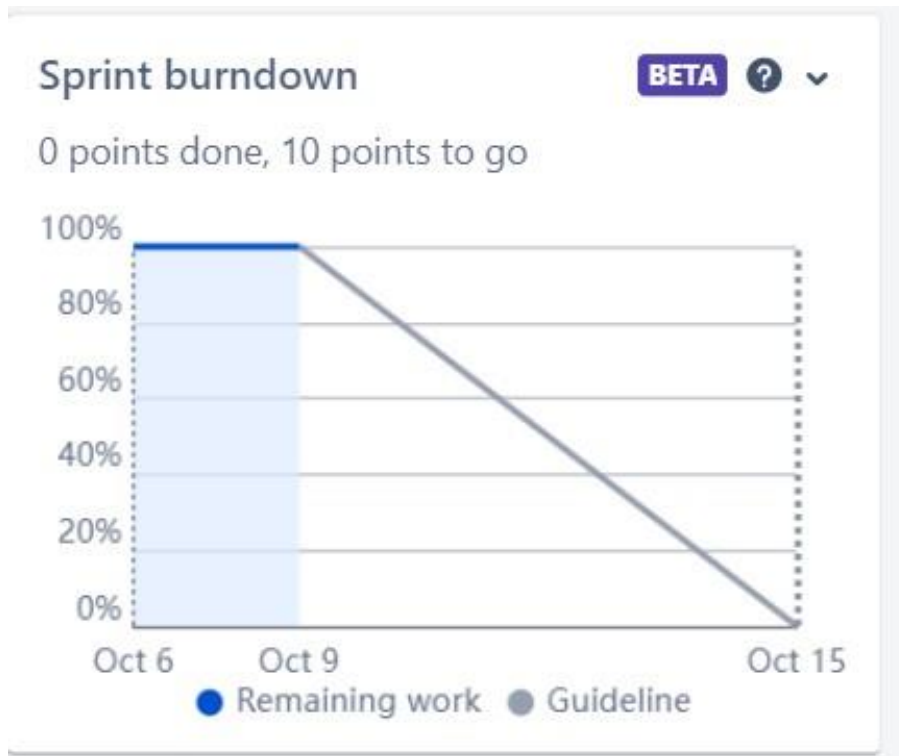
A burndown chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

<https://www.visual-paradigm.com/scrum/scrum-burndown-chart/>
<https://www.atlassian.com/agile/tutorials/burndown-charts>

Reference:


<https://www.atlassian.com/agile/project-management>
<https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software>
<https://www.atlassian.com/agile/tutorials/epics>
<https://www.atlassian.com/agile/tutorials/sprints>
<https://www.atlassian.com/agile/project-management/estimation>
<https://www.atlassian.com/agile/tutorials/burndown-charts>

Burndown Chart:



Board section.

We have completed sprint 1 and 2. So we can see the remaining tasks on board.

 **Image Caption Generator**
Software project

You're on the Free plan

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You're in a team-managed project

Projects / Image Caption Generator

All sprints

 [Invite](#)

Type ▾

Sprint ▾

GROUP BY: **None** ▾

[Import work](#)

[Insights](#)

[View settings](#)

TO DO 3

. Explore and evaluate different deep learning architectures (e.g., CNNs) to select the most suitable model for image caption generator

ICG-9

Preprocess the collected dataset by resizing images, normalizing

ICG-10

pixel values, and splitting it into training and validation sets

ICG-11

IN PROGRESS

DONE 1 ✓

When we input the image the AI will Generate the caption

ICG-6

[+](#)

Backlog section

Image Caption Generator
Software project

You're on the Free plan

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Backlog

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Invite

Epic

Type

ICG Sprint 1 10 Oct – 13 Oct (1 issue)

0 0 0

Complete sprint

ICG Sprint 3 13 Oct – 17 Oct (1 issue)

0 0 0

Complete sprint

ICG Sprint 4 18 Oct – 23 Oct (2 issues)

0 0 0

Complete sprint

ICG-10 Preprocess the collected dataset by resizing images, norm...

TO DO

ICG-11 pixel values, and splitting it into training and validation sets

TO DO

+ Create issue

Backlog (0 issues)

0 0 0

Create sprint

Your backlog is empty.

Import work

Insights

View settings

Add epic / ICG-11

pixel values, and splitting it into training and validation sets

To Do

Actions

Description

Add a description...

Pinned fields

Click on the ✨ next to a field label to start pinning.

Details

Timeline

Timeline

 Give feedback



 Invite

Status category Epic 

	OCT				OCT				NOV										
	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6
Sprints																			
⚡ ICG-1 Well-designed automotive AI																			
⚡ ICG-2 Model development																			
⚡ ICG-3 Matter Recognition																			
⚡ ICG-4 Data collection																			
⚡ ICG-5 Testing and quality Assurance																			
+ Create Epic																			