Project Planning Phase

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

Date	19 - november -2023
Team ID	Team-591920
Project Name	Project - Image Caption Generation
Maximum Marks	4 Marks

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

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Content Creators and Social Media Managers	Image Caption Generation	USN-1	"As a content creator, I want the image caption generator to provide accurate and creative captions for my uploaded images."	The system should accept image uploads and generate captions that accurately describe the content.	High	Sprint-1
Administrators and Developers	Customization and Integration	USN-2	"As a website administrator, I want the image caption generator to seamlessly integrate into my website, allowing for customization to match the website's style and branding."	The image caption generator should provide an easy-to-implement API for integration and should be able to customize the appearance of captions (font, color, size) to align with the website's design	Medium	Sprint-2
Content consumers with visual impairments	Image Caption Accessibility	USN-3	" As a content consumer, I want the image caption generator to provide descriptive captions for images on websites and social media so that I can better understand the content without relying solely on visuals."	The system should automatically generate captions for images on websites. Captions must be concise and easy to understand.	High	Sprint-3
Language Enthusiasts and Learners	Multilingual Support	USN-4	"As a user interested in language diversity, I want the image caption generator to support multiple languages, allowing me to explore content in languages other than English."	The system should recognize and generate captions in multiple languages. Users should have the option to select their preferred language for captions.	Medium	Sprint-4

Use the below template to create product backlog and sprint schedule **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 **Content Creators and Social Media Managers**	30	10 Days	24 Oct 2023	4 Nov 2023	30	29 Oct 2022
Sprint-2 **Administrators and Developers**	20	12 Days	5 Nov 2023	17 Nov 2023	20	05 Nov 2022
Sprint-3 **Content consumers with visual impairments**	35	8 Days	19 Nov 2023	27 Nov 2023	35	12 Nov 2022
Sprint-4 **Language Enthusiasts and Learners**	25	7 Days	28 Nov 2023	4 Dec 2023	25	19 Nov 2022

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)

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

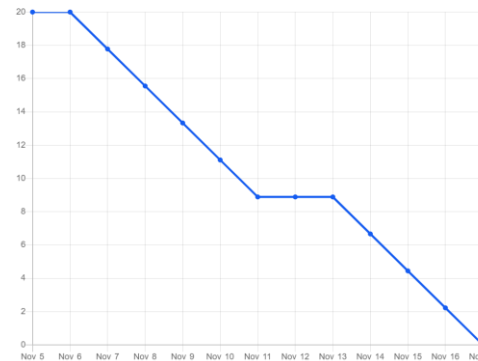Sprint 1 = 30 /10 = 3
Sprint 2 = 20 /12 = 1.6
Sprint 3 =35 /8 = 4.3
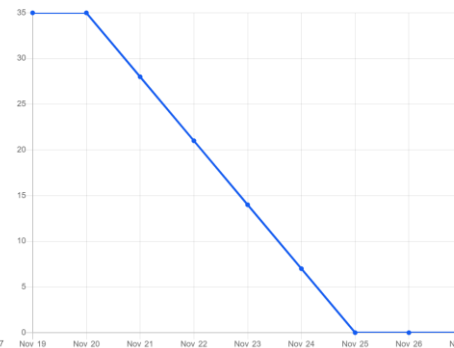Sprint 4 = 25 /7 = 3.5

Burndown Chart:
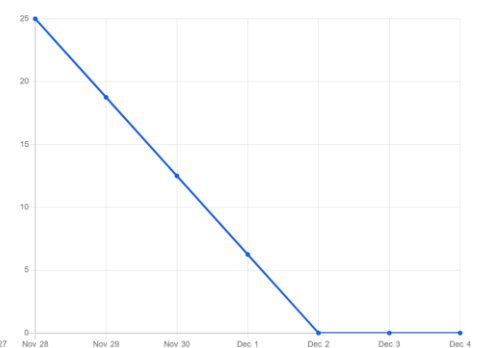

Sprint 1   **Sprint 2**   **Sprint 3**   **Sprint 4**

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.