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

| Date | 05 November 2022 |
|---|---|
| Team ID | 598189 |
| Project Name | Project - Image Caption Generation |
| Marks | 8marks |

## 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 | Data collection | USN-1 | Gather and process transaction data for the model training. | 3 | High | Abhiram , Devak |
| Sprint-1 | Model Development | USN-2 | Build a machine learning model for the image caption generation | 5 | High | Sreekar, Sam |
| Sprint-1 | Testing the Model accuracy | USN-3 | Testing the prepared model,by uploading different images and verifying their captions | 1 | Medium | Abhiram |
| Sprint-2 | Flask Integration | USN-4 | Integrate the ml model with the help of Flask for online interface | 3 | Medium | Sreekar |
| Sprint-2 | Html,Bootstrap UI | USN-5 | Building a website which is user-friendly that interacts the system and displays the desired output | 2 | Low | Sam |
| Sprint-3 | Deployment on IBM Cloud | USN-6 | Deploy the system on IBM cloud for scalability | 4 | High | Sreekar, Sam |
| Sprint-3 | Documentation | USN-7 | Document the project for future purpose | 2 | Low | Devak |

**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 | 9 | 14 days | 27 Oct 2023 | 01 Nov 2023 | 9 | 01 Nov 2023 |
| Sprint-2 | 20 | 6 Days | 10 Nov 2023 | 17 Nov 2023 | 5 | 16 Nov 2023 |
| Sprint-3 | 20 | 6 Days | 17 Nov 2023 | 20 Nov 2023 | 6 | 20 Nov 2023 |

**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)

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

**Burndown Chart:**



Burn Down graph