Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMIDxxxxxx
Project Name	Project - xxx
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	Data collection and preprocessing	USN-1	As a data scientist, I want to collect and preprocess medical images for training the Xception model	5	High	Data Scientist, ML Engineer
Sprint-1	Xception model implementation and training	USN-2	As a data scientist, I want to implement and train the Xception model for Alzheimer's disease prediction	8	High	Data Scientist, ML Engineer
Sprint-1	Flask App Development	USN-3	As a developer, I want to set up a Flask app with endpoints for model	3	Medium	Developer

			integration			
Sprint-2	Flask App Development	USN-4	As a developer, I want to integrate the trained Xception model into the Flask app for predictions	5	High	Developer
Sprint-2	Flask App Development	USN-5	As a user, I want to submit medical images through the Flask app for Alzheimer's prediction	3	High	Developer, ML Engineer
Sprint-3	Deployment	USN-6	As a system administrator, I want to deploy the Flask app and model on a cloud platform	5	High	Sys Admin, Developer

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	20	6 Days	24 Oct 2023	29 Oct 2023	20	29 Oct 2022

Sprint-2	20	6 Days	31 Oct 2023	05 Nov 2023	20	05 Nov 2023
Sprint-3	20	6 Days	07 Nov 2023	12 Nov 2023	20	12 Nov 2023
Sprint-4	20	6 Days	14 Nov 2023	19 Nov 2023	20	19 Nov 2023

Average Velocity per Iteration Unit:

Given:

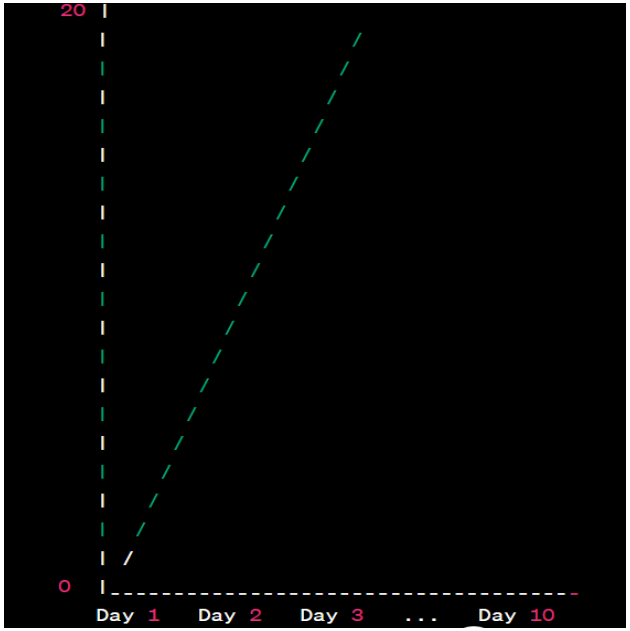
- Sprint Duration: 10 days
- Velocity: 20 points per sprint

The average velocity (AV) per iteration unit (story points per day) is calculated as follows:

AV=Velocity/SprintDuration =20/10=2 (points per day)

Simplified Burn-Down Chart:

A burn-down chart typically shows the remaining work (story points) over time during a sprint. Since we have a fixed velocity of 20 points per sprint and a 10-day sprint duration, a simplified burn-down chart can be represented as for



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