Project Planning Phase

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

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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 Preparation : Data Collection,Data Exploration,Data Preprocessing	USN-1	As a data scientist, I want to collect and preprocess diabetes-related data, so I can use it for model training.	4	High	Syam
Sprint-2	Model Development Model Selection Model Training	USN-2	As a data analyst, I want to explore the dataset to understand the distribution of data and identify potential issues.	3	High	Santhosh,navyanth
Sprint-3	Model Evaluation	USN-3	As a machine learning engineer, I want to implement and train machine learning models for diabetes prediction.	3	Low	Navyanth,syam
Sprint-4	User Interface and Deployment	USN-4	As a project manager, I want to ensure the user interface is intuitive and user-friendly.	4	Medium	Rama krishna
Sprint-5	Documentation and Testing	USN-5	As a developer, I want to deploy the model and user interface to a production environment.	2	High	Syam,santhosh
			As a technical writer, I want to create project documentation and user manuals.			

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

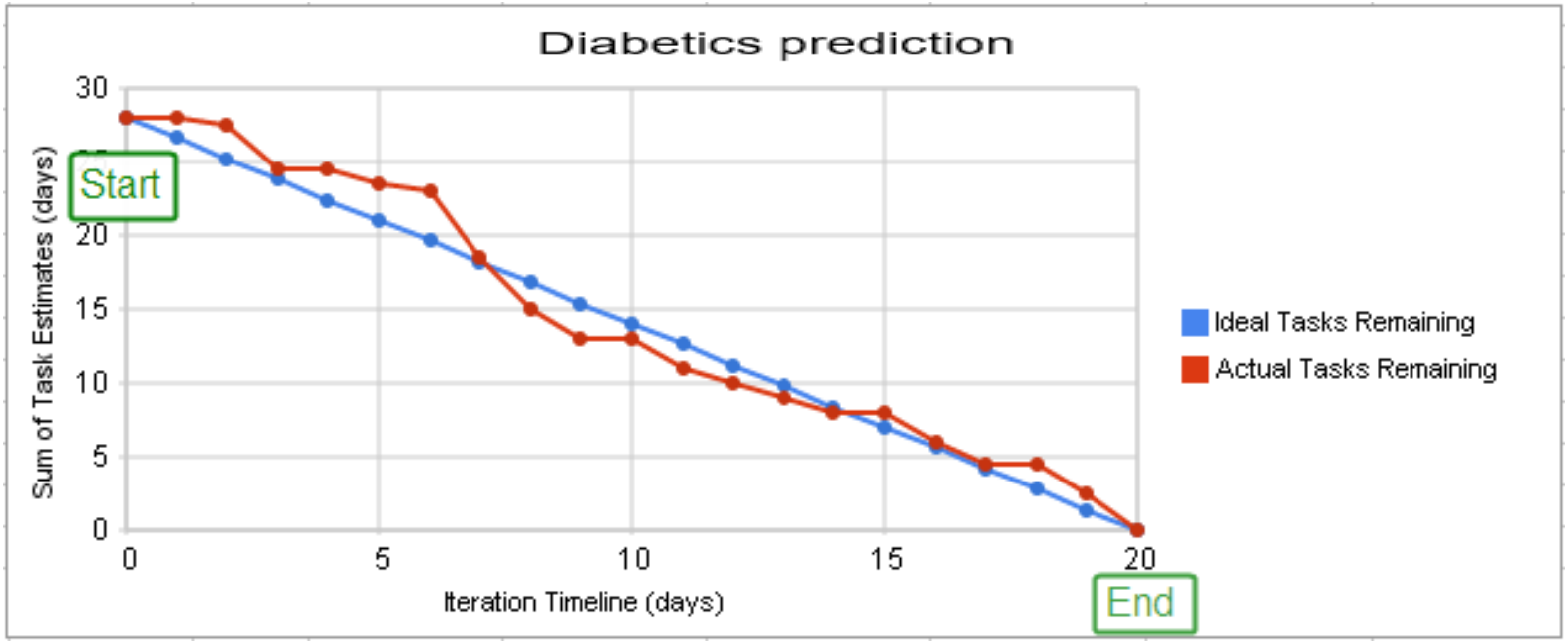
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	4	6 Days	24 Oct 2023	29 Oct 2023	20	29 Oct 2022
Sprint-2	3	3 Days	31 Oct 2023	02 Nov 2023	20	02 Nov 2023
Sprint-3	3	4 Days	03 Nov 2023	6 Nov 2023	20	6 Nov 2023
Sprint-4	4	5 Days	07 Nov 2023	11 Nov 2023	20	11 Nov 2023
Sprint-5	2	6 Days	12 Nov 2023	19 Nov 2023	20	19 Nov 2023

Velocity:

Imagine we have a 5-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)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{5} = 4$$

Burndown Chart:



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

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