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

TEAM:

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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	USN-1	You must gather and preprocess data pertaining to diabetes in order to train a machine learning model to predict the condition.	20	High	Data Scientist - Avinash
Sprint-2	Model Development	USN-2	To comprehend the dataset's data distribution and spot any possible problems.	20	High	Data Analyst - Mahesh
Sprint-3	Model Evaluation	USN-3	To create and hone machine learning models for diabetes prediction.	20	Low	Machine Learning Engineer - Gowri shankar

Sprint-4	User Interface and Deployment	USN-4	To create and hone machine learning models for diabetes prediction.	20	Medium	Project Manager - Manoj
Sprint-5	Testing	USN-5	To introduce the user interface and model into a functioning setting.	20	High	Development- Mahesh ,Manoj
			To write project and product manuals and documentation.			

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	5 Days	24 Oct 2023	28 Oct 2023	20	28 Oct 2023
Sprint-2	20	4 Days	30 Oct 2023	02 Nov 2023	20	1 Nov 2023
Sprint-3	20	4 Days	03 Nov 2023	6 Nov 2023	20	4 Nov 2023
Sprint-4	20	5 Days	07 Nov 2023	11 Nov 2023	20	10 Nov 2023
Sprint-5	20	6 Days	12 Nov 2023	16 Nov 2023	20	14 Nov 2023

Velocity:

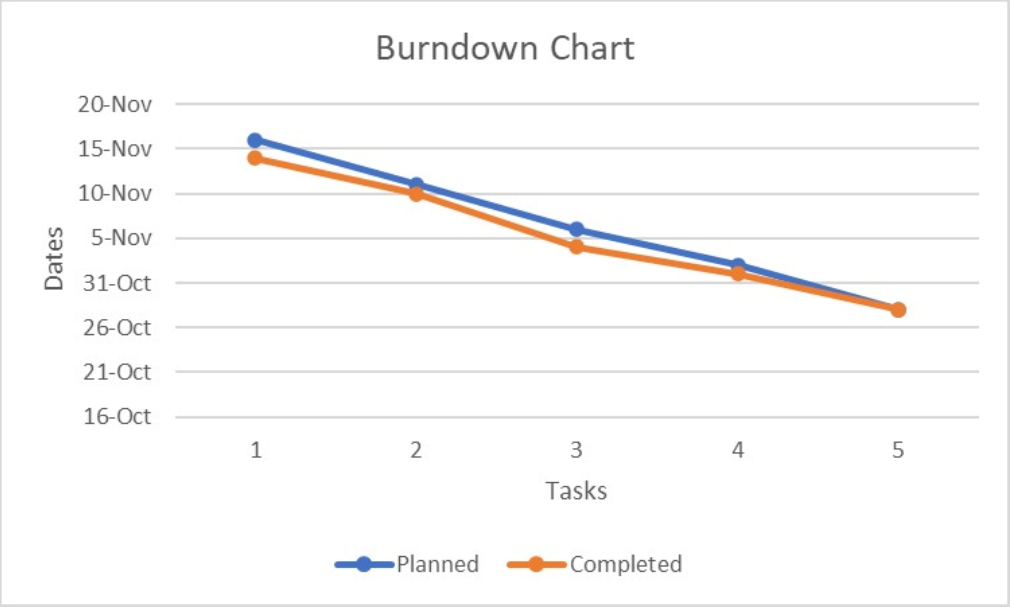
To calculate the average velocity (story points per day) of a team with a 5-day sprint duration and a velocity of 20 (story points per sprint), divide the

team's velocity by the sprint duration.

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

Burndown Chart:

Burn down charts are a visual way to track the progress of a project over time. They show how much work is left to do and how quickly it is being completed. Burn down charts are often used in software development, but they can be used for any project that has measurable progress.



Projects / DIABETES PREDICTION

All sprints

MB M K V Epic Sprint 5 Clear filters

TO DO

IN PROGRESS 2 OF 2

To write project and product manuals and documentation.

TESTING

DP-11 10 MB

To introduce the user interface and model into a functioning setting.

TESTING

DP-10 10 M

DONE 4 OF 4

To comprehend the dataset's data distribution and spot any possible problems.

MODEL DEVELOPMENT

~~DP-7~~ 20 MB

To create and hone machine learning models for diabetes prediction.

USER INTERFACE AND DEPLOYMENT

~~DP-9~~ 20 M

You must gather and preprocess data pertaining to diabetes in order to train a machine learning model to predict the condition.

DATA PREPARATION

~~DP-6~~ 20 K

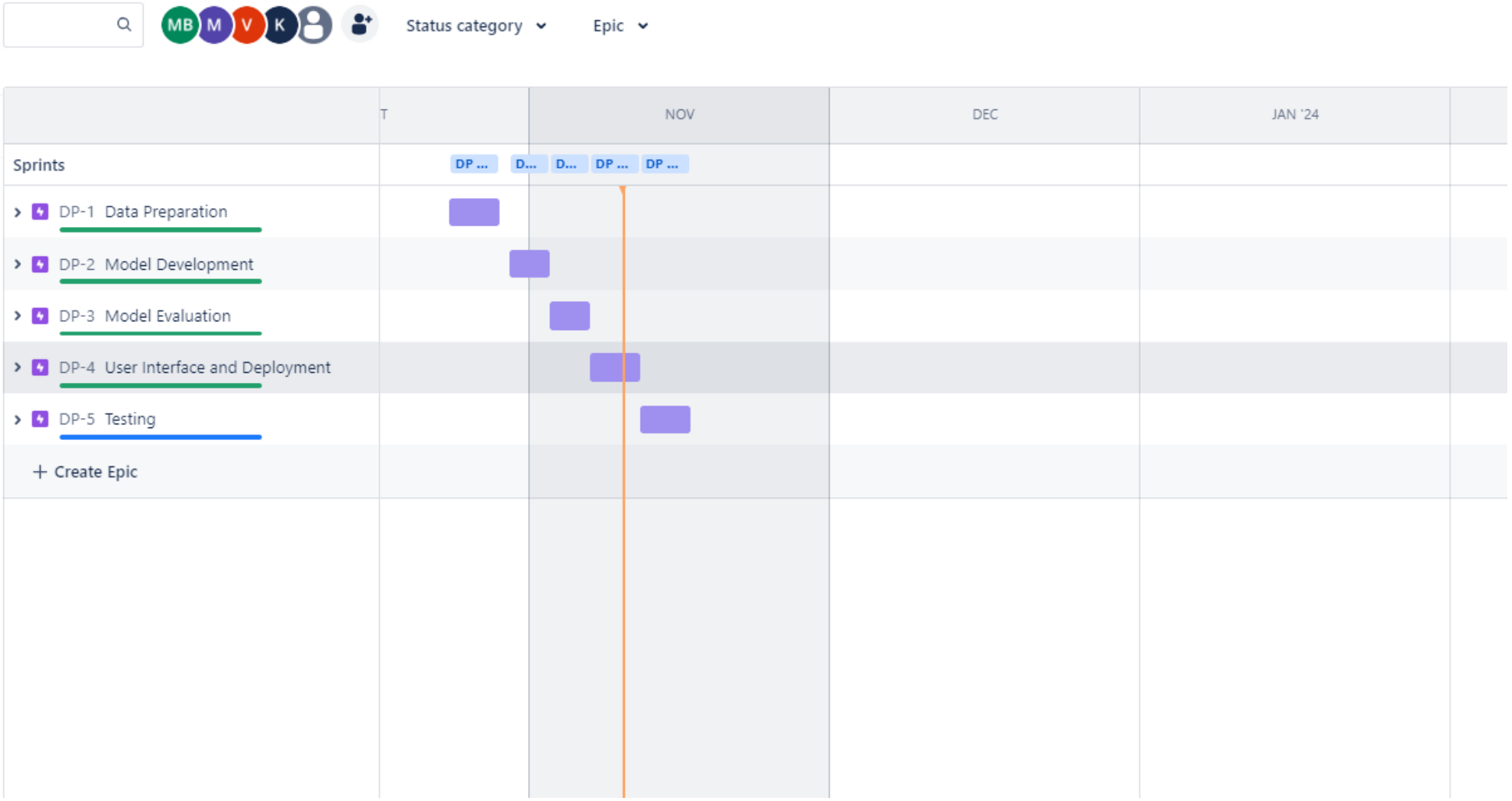
To create and hone machine learning models for diabetes prediction.

MODEL EVALUATION

~~DP-8~~ 20 V

Projects / DIABETES PREDICTION

Timeline



https://www.visual-paradigm.com/scrum/scrum-burndown-chart/

https://www.atlassian.com/agile/tutorials/burndown-charts

Reference:

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https://www.atlassian.com/agile/tutorials/epics

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