

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

Date	11 November 2023
Team ID	593184
Project Name	Project – Diabetes prediction using machine learning
Maximum Marks	8 Marks

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

Sprint	User story number	Fundamental requirement(Epic)	User story/task story	Points	Priority	Team members
1	1	Input data collection	As a user, I want to provide my health data for prediction.	5	High	Chiru sandeep
1	2	Data pre-processing	As a system, I need to clean and pre-process user-provided data.	8	Medium	Dhinesh
2	3	Model integration	As a system, I need to integrate the machine	13	High	Ajay naidu

			learning model for predictions.			
2	4	Prediction results display	As a user, I want to see the prediction results on the app	8	Medium	Chiru sandeep
2	5	User profile management	As a user, I want to manage my profile and settings.	5	Medium	Dhinesh
3	5	User profile management enhancement	As a user, I want to manage my profile and settings with additional features	8	Medium	Ajay naidu
3	6	Deployment and management	As a developer, I need to deploy the app on a local server using Flask.	13	High	Chiru sandeep

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	13	3 Days	7 Nov 2023	10 Nov 2023	13	10 Nov 2023
Sprint-2	26	7 Days	11 Nov 2023	17 Nov 2023	39	17 Nov 2023
Sprint-3	21	5 Days	18 Nov 2023	22 Nov 2023	60	22 Nov 2023

Velocity:

we have a 15-day sprint duration, and the velocity of the team is 60 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$\text{Average velocity} = 60/15$$

$$= 4 \text{ (story points per day)}$$

Burndown Chart:

