Project Planning Phase

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

Date	27 October 2023
Team ID	Team-592697
Project Name	Diabetes Prediction Using Machine Learning
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 Preparation	USN-1	Collect health data of around 50 people	8	High	Tejeshwar
Sprint-1		USN-2	Preprocess the collected data, including handling missing values and outliers	5	Medium	Deekshitha
Sprint-2	Health History	USN-3	Identifying the previous health issues and effects caused	3	Low	Hemalatha
Sprint-3		USN-4	Analyze the impact of Bad habits	7	Medium	Siddhardh
Sprint-3	Disease Prediction	USN-5	Apply machine learning algorithms like, Logistic Regression, Decision Tree to predict Diabetes	10	High	Tejeshwar, Deekshitha, Hemalatha, Siddhardh
Sprint-4	Deployment and Integration	USN-6	Integrate the analysis and forecasting models into a Django web application	5	Medium	Hemalatha
Sprint-4		USN-7	Deploy the Django application on IBM Cloud foreasy access and scalability	3	Low	Siddhardh

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	6-Days	18 Oct 2023	23 Oct 2023	13	23 Oct 2023
Sprint-2	03	5-Days	23 Oct 2023	27 Oct 2023	03	27 Oct 2023
Sprint-3	17	9-Days	27 Oct 2023	04 Nov 2023	09	04 Nov 2023
Sprint-4	08	6-Days	04 Nov 2023	09 Nov 2023	03	09 Nov 2023

Velocity:

Average Velocity = Total Story Points Completed / Total Duration of Sprints

Total Story Points Completed = 13 + 3 + 9 + 3 = 28

Total Duration of Sprints = 6 + 5 + 9 + 6 = 26

Average Velocity = 28 / 26 = 1.076

Burndown Chart: