Project Planning Phase

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

Date	20 October 2022
Team ID	Team-591606
Project Name	Project - Predicting University scores 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	Model/Algorithm Building	USN-1	Data Pre-processing and exploratory analysis	6	High	Varsha, Surya
Sprint-1		USN-2	Use various ML models on the same data.	6	High	Rishitha, Varsha
Sprint-2		USN-3	Evaluation of the Model and choosing the model with best performance.	5	High	Aravind, Rishitha
Sprint-2	Model Deployment	USN-4	Saving the best model	2	Medium	Surya
Sprint-3	Introductory Page	USN-5	As a user, I need to know about what the website is all about in general.	3	Medium	Aravind, Varsha
Sprint-3	Dashboard	USN-6	As a user, I want the dashboard to provide certain criteria to take into consideration	3	High	Rishitha, Aravind
Sprint-3	Data Entry and Submission	USN-7	As a user, I want to give input of my criteria and each field is mandatory.	3	High	Aravind, Surya
Sprint-3	Result Display	USN-8	As a user, I want to display the University's score.	3	High	Surya, Rishitha
Sprint-4	Model Deployment	USN-9	Integrating the model with web framework	8	High	Surya, Aravind, Varsha
Sprint-4	Model Deployment	USN-10	Running the web application	4	High	Varsha, Rishitha

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	12	4 Days	30 Oct 2023	02 Nov 2023	11	4 Nov 2023
Sprint-2	7	4 Days	03 Nov 2023	06 Nov 2022	9	7 Nov 2023
Sprint-3	12	7 Days	07 Nov 2022	13 Nov 2022	11	14 Nov 2023
Sprint-4	12	7 Days	14 Nov 2022	20 Nov 2022	11	20 Nov 2023

Velocity:

AV = Sprint duration/Velocity = 22/12 = 1.8333

Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.