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

Date	22 October 2023
Team ID	NM2023TMID07074
Project Name	DATA DOMINATORS: A COMPARATIVE STUDY OF TOP GLOBAL UNIVERSITIES IN DATA ANALYTICS

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 Collection and Ingestion	USN-1	As a user I want to login into the top global university analysis site.	3	High	R. Madhavan, B. Jagath Guru
		USN-2	As an analyst, I want to import data from various top global university	5	High	R. Yugabharathi, Manvith B V
	Data Preprocessing and Cleaning	USN-3	As an analyst, I want to define custom data filters for data refinement.	3	High	B. Jagath Guru, Manvith BV
	Data Storage and Database	USN-4	As an analyst, I want to store data in a structured database.	8	High	R.Yugabharathi, R. Madhavan
	Data Processing and Analysis	USN-5	As an analyst, I want to perform sentiment analysis on user generated content.	5	High	R.Madhavan,BV Manvith
Sprint-2	Data Processing and Analysis	USN-6	As a Projectmanager, I want to analyze data to improve strategies	8	High	R. Yugabharathi, B. Jagath Guru
		USN-7	As an analysing user, I want to access a public dashboard with general college and university trends and insights.	3	High	R. Yugabharathi, BV Manvith
	Personalized Content Curation	USN-8	As a analysing user, I want to search for trending college and university related to their field.	5	High	R. Madhavan, BV Manvith
	Data Visualization and Reporting	USN-9	As an analysing user, I want to see visualizations and infographics that simplify complex data.	3	high	R. Yugabharathi, BV Manvith

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	1 Days	25 Aug 2023	10 Oct 2023	30	9 Oct 2023
Sprint-2	20	1 Days	11 Oct 2023	17 Oct 2023	20	16 Oct 2023

Velocity:

Imagine we have a 12-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)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2^{.6}$$

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.