Project Planning Phase
Project Planning Template(Product Backlog, Sprint Planning , Stories, StoryPoints)

Team ID	PNT2022TMID47824
Project Name	Global Sales Data Analytics
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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	G.Saravanapandiyan ,P.Yuvaraj, K.SuriyaSoundaram P.Karuppaiah.
Sprint-1	Login	USN-2	As a user, I need valid credentials to log in to my application.	1	High	G.Saravanapandiyan ,P.Yuvaraj, K.SuriyaSoundaram ,P.Karuppaiah
Sprint-1	Data Collection	USN-3	As a user, I need to gather the data in the form of CSV/XLS and clean the data	2	High	G.Saravanapandiyan ,P.Yuvaraj, K.SuriyaSoundaram ,P.Karuppaiah
Sprint-2	Upload dataset	USN-4	As a user, I can view the data of the products	1	Low	G.Saravanapandiyan ,P.Yuvaraj, K.SuriyaSoundaram ,P.Karuppaiah
Sprint-2	Data Preparation	USN-5	As a user, I need to filter it for Data visualization.	3	High	G.Saravanapandiyan ,P.Yuvaraj, K.SuriyaSoundaram ,P.Karuppaiah.
Sprint-2	Data visualization	USN-6	As a user, I can easily visualize the data in the form of charts.	4	Medium	G.Saravanapandiyan ,P.Yuvaraj, K.SuriyaSoundaram ,P.Karuppaiah.
Sprint-3	Dashboard	USN-7	As a user, I can view the summary of the product sales by the help dashboard.	2	Medium	G.Saravanapandiyan ,P.Yuvaraj, K.SuriyaSoundaram ,P.Karuppaiah.
Sprint-3	Dashboard	USN-8	As a user, I must plan visualizations in a way that I'm able to gain insights regarding the sales based upon the category of sales and the respective region	4	High	G.Saravanapandiyan ,P.Yuvaraj, K.SuriyaSoundaram ,P.Karuppaiah.
Sprint-3	Dashboard	USN-9	As a user, I must be able to gain insights from the charts/graphs through a variety of relationships established in the dashboard.	4	Medium	G.Saravanapandiyan ,P.Yuvaraj, K.SuriyaSoundaram ,P.Karuppaiah.
Sprint- 4	Prediction	USN-10	As a user, I see the prediction of the specific product's future sales expectation.	4	Medium	G.Saravanapandiyan ,P.Yuvaraj, K.SuriyaSoundaram, P.Karuppaiah.

Sprint-3	Dashboard	USN-9	As a user, I must be able to gain insights fromthe charts/graphs through a variety of relationships established in the dashboard.	4	Medium	G.Saravanapandiyan ,P.Yuvaraj, K.SuriyaSoundaram ,P.Karuppaiah.
Sprint- 4	Prediction	USN-10	As a user, I see the prediction of the specific product's future sales expectation.	4	Medium	G.Saravanapandiyan ,P.Yuvaraj, K.SuriyaSoundaram ,P.Karuppaiah.
Sprint- 4	Report	USN-11	As a user, I can view the list of categorizedproducts and their details as a report.	5	High	G.Saravanapandiyan ,P.Yuvaraj, K.SuriyaSoundaram P.Karuppaiah.
Sprint-4	Story	USN-12	As a user, I can view the product and customer description and more additional information asa story.	5	High	G.Saravanapandiyan ,P.Yuvaraj, K.SuriyaSoundaram ,P.Karuppaiah.

Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprints	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	6 Days	24 Oct 2022	29 Oct 2022	5	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	8	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	10	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	14	19 Nov 2022

Velocity:

Imagine we have a 10-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)

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

iteration unit (story points per day)

SPRINT	TOTAL STORY POINTS	DURATION	AVERAGE VELOCITY
SPRINT-1	5	6 Days	5/6 = 0.833
SPRINT-2	8	6 Days	8/6 = 1.33
SPRINT-3	10	6 Days	10/6 = 1.66
SPRINT-4	14	6 Days	14/6 = 2.33