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

Date	24 October 2022
Team ID	PNT2022TMID16694
Project Name	Retail Store Stock Inventory 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	Data preprocessing	USN-1	As a developer, I should fill in missing values	5	High	SubashV Ranjith kumar S
Sprint-1		USN-2	As a developer, I should remove extraneous data and outliers	5	High	SubashV Ranjith kumar S
Sprint-1		USN-3	As a developer, I should ensure conforming data to a standardized pattern	5	Medium	SubashV Ranjith kumar S
Sprint-1		USN-4	As a developer, I should mask private or sensitive data entries	5	High	SubashV Ranjith kumar S
Sprint-2	Exploratory data analytics	USN-5	Identification of variables and data types	3	High	Karthick B Vignesh V
Sprint-2		USN-6	Analyzing the basic metrics	3	Medium	Karthick B Vignesh V
Sprint-2		USN-7	Using Visualization tools like Scatterplot, detect the outliers	6	Medium	Karthick B Vignesh V
Sprint-2		USN-8	Using IQR, remove the outliers	6	Medium	Karthick B Vignesh V
Sprint-2		USN-9	Correlation Analysis	6	Medium	Karthick B Vignesh V

Sprint-3	Interactive Dashboard	USN-10	To calculate Year Wise Price Using Line Graph	2	Medium	Ranjith Kumar S Karthick B
Sprint-3		USN-11	To calculate Year Wise Stock Using Line Graph	2	Medium	Ranjith Kumar S Karthick B
Sprint-3		USN-12	To calculate Top 10 Sales By Year Using Line Graph	2	Medium	Ranjith Kumar S Karthick B
Sprint-3		USN-13	To calculate Top 10 Revenue by Year Using Line Graph	2	Medium	Ranjith Kumar S Karthick B
Sprint-3		USN-14	To calculate Monthly Stock Using Heat Map	2	Medium	Ranjith Kumar S Karthick B
Sprint-3		USN-15	To calculate Monthly Sales Using Tree Map	2	Medium	Ranjith Kumar S Karthick B
Sprint-3		USN-16	To calculate Monthly Revenue by Pie Chart	2	Medium	Ranjith Kumar S Karthick B
Sprint-3		USN-17	Dashboard Creation	10	Medium	Ranjith Kumar S Karthick B
Sprint-4	Story	USN-18	Summary Cards of Total Revenue, Sales, Stock, Price	4	Medium	Subash V Vignesh V
Sprint-4		USN-19	As a user, I can generate the story of the analysis	4	Medium	Subash V Vignesh V
Sprint-4	Report	USN-20	As a user, I can generate the report of my analysis	4	Medium	Subash V Vignesh V

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	6 Days	24 Oct 2022	29 Oct 2022		
Sprint-2	24	6 Days	31 Oct 2022	05 Nov 2022		
Sprint-3	24	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	12	6 Days	14 Nov 2022	19 Nov 2022		

Velocity:

Sprint-1

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{6} = 3.3$$

Sprint-2 & Sprint-3

$$AV = \frac{sprint\ duration}{velocity} = \frac{24}{6} = 4$$

Sprint-4

$$AV = \frac{sprint\ duration}{velocity} = \frac{12}{6} = 2$$