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	20	6 Days	31 Oct 2022	05 Nov 2022		
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022		

AV = Sprint Duration / Velocity = 24 / 20 = 1.2

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.