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

Date	18 October 2022
Team ID	PNT2022TMID00176
Project Name	Project – Inventory management system for retailers
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.	5	High	Santhos Kamal. AB
Sprint-1		USN-2	As a user, I can register for the application through Gmail	5	High	Santhosh. R
Sprint-1	Confirmation	USN-3	As a user, I will receive confirmation email once I have registered for the application	5	Medium	Santhosh.RS
Sprint-1	Login	USN-4	As a user, I can log into the application by entering email & password	5	High	Sreyan Kumar. S
Sprint-2	Dashboard	USN-5	As a user, I can view the products which are available	10	High	Santhos Kamal. AB Santhosh.RS
Sprint-2	Stocks update	USN-6	As a user, I can add the products which are not available in the inventory and the restock the products to make them available	10	Medium	Santhosh. R Sreyan Kumar. S

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Sales prediction	USN-7	As a user, I can be able to get access to sales report to predict the which product runs out of stocks fast . so it helps me to predict the restock of product	20	High	Santhos Kamal. AB Santhosh. R Santhosh.RS Sreyan Kumar. S
Sprint-4	Customer care	USN-8	As a user, I am able to get in touch with customer care to enquire the doubts and problems I have faced	10	Medium	Santhos Kamal. AB Santhosh. R
Sprint-4	Feedback	USN-9	As a user, I am able to send feedback forms to resolve issues and improve the system.	10	Medium	Santhosh.RS Sreyan Kumar. S

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	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	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)

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

Sprint 1: 3.33

Sprint 2: 3.33

Sprint 3: 3.33

Sprint 4: 3.33