

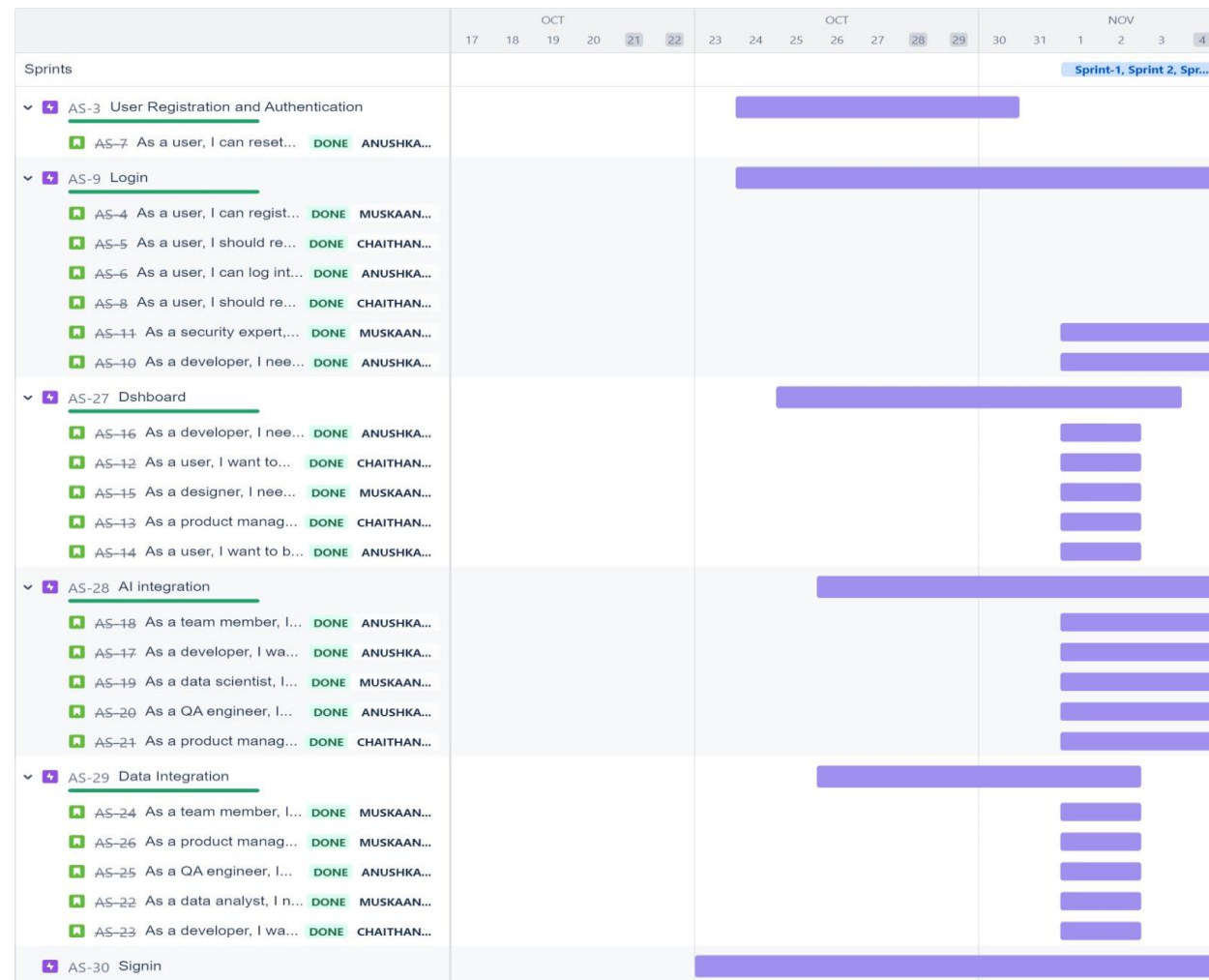
Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMIDxxxxxx
Project Name	Project - xxx
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	User Registration and Authentication	USN-1	As a user, I can reset my password using the registered email in case I forget it.	10	High	Anushka Singh
Sprint-2	Login	USN-1	As a user, I can register for the application by providing my email, password, and confirming the password.	2	High	Muskaan Siddiqui
Sprint-2	Login	USN-2	As a user, I should receive a confirmation email upon successful registration for the application.	2	Low	Chaithanya Murari
Sprint-2	Login	USN-3	As a user, I should receive a verification code on my phone for two-factor authentication during login.	2	Medium	Chaithanya Murari
Sprint-2	Login	USN-4	As a security expert, I need to set up two-factor authentication (2FA) to provide an additional layer of security during the login process.	1	Low	Muskaan Siddiqui
Sprint-2	Login	USN-5	As a developer, I need to implement robust security measures to protect user login information, including encryption and secure storage.	1	Medium	Chaithanya Murari
Sprint-2	Login	USN-6	As a user, I can register for the application by providing my email, password, and confirming the password.	2	High	Chaithanya Murari
Sprint-3	Dashboard	USN-1	As a developer, I need to implement interactive data visualization tools to provide users with comprehensive insights and analysis on the	3	Medium	Anushka Singh

			dashboard.			
Sprint-3	Dashboard	USN-2	As a user, I want to view a personalized overview of my account activities and performance on the dashboard.	2	Low	Chaithanya Murari
Sprint-3	Dashboard	USN-3	As a designer, I need to ensure the dashboard's UI/UX is intuitive, visually appealing, and aligns with the overall aesthetics of the application.	3	Low	Muskaan Siddiqui
Sprint-3	Dashboard	USN-4	As a product manager, I want to integrate customizable widgets on the dashboard to allow users to personalize their data representation according to their preferences.	1	Low	Chaithanya Murari
Sprint-3	Dashboard	USN-5	As a user, I want to be able to easily navigate through different sections and features within the dashboard for a seamless user experience.	1	High	Anushka Singh
Sprint-4	AI Integration	USN-1	As a team member, I need to research and select the appropriate machine learning algorithm for startup success prediction.	1	Low	Anushka Singh
Sprint-4	AI Integration	USN-2	As a developer, I want to collect and preprocess relevant startup data for training the AI model.	2	Medium	Anushka Singh
Sprint-4	AI Integration	USN-3	As a data scientist, I want to build and train the initial version of the startup success prediction	5	High	Muskaan Siddiqui

			model.			
Sprint-4	AI Integration	USN-4	As a QA engineer, I need to test and validate the initial AI model for accuracy and performance.	1	Low	Anushka Singh
Sprint-4	AI Integration	USN-5	As a product manager, I want to create a simple user interface to showcase the initial AI predictions for startups.	1	Low	Chaithanya Murari
Sprint-5	Data Integration	USN-1	As a team member, I need to review and refine the existing machine learning model with the enriched dataset.	3	High	Muskaan Siddiqui
Sprint-5	Data Integration	USN-2	As a product manager, I want to update the user interface to accommodate the enriched data and provide more insightful visualizations.	2	Low	Muskaan Siddiqui
Sprint-5	Data Integration	USN-3	As a QA engineer, I want to conduct thorough testing to ensure the accuracy and robustness of the updated AI model.	1	Medium	Anushka Singh
Sprint-5	Data Integration	USN-4	As a data analyst, I need to enrich the startup dataset with additional features for more accurate predictions.	3	Low	Muskaan Siddiqui
Sprint-5	Data Integration	USN-5	As a developer, I want to integrate external data sources to provide a more comprehensive view of the startup ecosystem.	1	High	Chaithanya Murari

--	--	--	--	--	--	--

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		
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	20	6 Days	14 Nov 2022	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)

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

Burndown Chart:

Burndown Chart

