

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID52947
Project Name	A Novel Method For Handwritten Digit Recognition System
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	Poojasree Voleti Sruthi Lakshmi Tejesh Kumar V S Sri Abhijit T
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Poojasree Voleti Sruthi Lakshmi Tejesh Kumar V S Sri Abhijit T
Sprint-2		USN-3	As a user, I can register for the application through Phone Number	3	Medium	Poojasree Voleti Sruthi Lakshmi Tejesh Kumar V S Sri Abhijit T
Sprint-1	Login	USN-4	As a user, I can log into the application by entering email & password.	2	High	Poojasree Voleti Sruthi Lakshmi Tejesh Kumar V S Sri Abhijit T
Sprint - 2		USN-5	As a user, I can log into the application by entering phone number and password	4	Medium	Poojasree Voleti Sruthi Lakshmi Tejesh Kumar V S Sri Abhijit T

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint - 1	Profile	USN-6	As a user, I can give my personal information (like phone number, Name etc.,) in the profile section	2	High	Poojasree Voleti Sruthi Lakshmi Tejesh Kumar V S Sri Abhijit T
Sprint -2	Upload	USN-7	As a user, I can upload the pictures that contain the digits to be recognised.	2	High	Poojasree Voleti Sruthi Lakshmi Tejesh Kumar V S Sri Abhijit T
Sprint - 3	Result	USN-8	As a user, I can ask the application to recognise the digits in the uploaded picture by clicking on 'recognise' button	4	High	Poojasree Voleti Sruthi Lakshmi Tejesh Kumar V S Sri Abhijit T
Sprint - 3	Queries	USN-9	As a customer care Executive, I can answer the queries mailed by the users.	3	Medium	Poojasree Voleti Sruthi Lakshmi Tejesh Kumar V S Sri Abhijit T
Sprint - 4	Accessibility	USN-10	As a user, I can use the web application virtually from anywhere.	3	Medium	Poojasree Voleti Sruthi Lakshmi Tejesh Kumar V S Sri Abhijit T
Sprint - 1	Home	USN-11	As a user, I can use the guide to access the web app.	1	Low	Poojasree Voleti Sruthi Lakshmi Tejesh Kumar V S Sri Abhijit T
Sprint - 4	Security	USN-12	As an administrator, I must make sure the user's data is safe and secure.	5	High	Poojasree Voleti Sruthi Lakshmi Tejesh Kumar V S Sri Abhijit T

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	8	6 Days	24 Oct 2022	29 Oct 2022	8	29 Oct 2022
Sprint-2	9	6 Days	31 Oct 2022	05 Nov 2022	9	05 Nov 2022
Sprint-3	7	6 Days	07 Nov 2022	12 Nov 2022	7	12 Nov 2022
Sprint-4	8	6 Days	14 Nov 2022	19 Nov 2022	8	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)

$$\begin{aligned}\text{Team velocity} &= (\text{sprint 1} + \text{sprint 2} + \text{sprint 3} + \text{sprint 4})/(\text{total sprints}) \\ &= (8+9+7+8)/4 \\ &= 8\end{aligned}$$

$$\text{AV} = \text{team velocity}/\text{duration} = 8/6 = 1.33$$

Burndown Chart:

