

Project Planning Phase

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

Date	22 October 2022
Team ID	PNT2022TMID25102
Project Name	A Novel Method for Handwritten Digit Recognition
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	Priority	Team Members
Sprint-1	Pre Processing	USN-1	Noise in the digital handwritten image can be reduced.	High	ALL MEMBERS
		USN-2	Blurred image can be modified.	Low	ALL MEMBERS
Sprint-2	Feature Extraction	USN-3	How the features can be identified.	High	ALL MEMBERS
		USN-4	How shape edges can be detected.	Low	ALL MEMBERS
		USN-5	How words are recognized based on sizes.	High	ALL MEMBERS
Sprint-3	Prediction	USN-6	How letters are predicted.	High	ALL MEMBERS
		USN-7	How capital and small letters identified.	Low	ALL MEMBERS

Sprint-4	Classified result	USN-8	How the prediction separates the identification of the digital letter.	Medium	ALL MEMBERS
		USN-9	How the words are predicted.	High	ALL MEMBERS

Project Tracker, Velocity & Burn down 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	1	3 Days	24 Oct 2022	26 Oct 2022	1	26 Oct 2022
Sprint-2	1	3 Days	31 Oct 2022	02 Nov 2022	1	02 Nov 2022
Sprint-3	1	3 Days	07 Nov 2022	09 Nov 2022	1	09 Nov 2022
Sprint-4	1	3 Days	14 Nov 2022	16 Nov 2022	1	16 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)

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