

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID07719
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.	12	Medium	Ramalingam V Narayanan MS
Sprint-1	Login	USN-2	As a user, I can log into the application by entering email & password.	8	Medium	Ramalingam V Narayanan MS
Sprint-2	Dataset Collection and Pre-Processing	USN-7	To train the model, the dataset is collected and pre-processed.	10	High	Akash Iyer Tharun Kumar, Narayanan MS
Sprint-2	Training & saving the model	USN-7	With the help of the pre-processed data the model is trained and the model is tuned for producing higher accuracy.	10	High	Akash Iyer Tharun Kumar
Sprint-3	Integrating the model with Flask API	USN-8	The image given by the user is processed and given to the model for prediction and the results are sent back to the user.	14	Medium	Ramalingam V Akash Iyer
Sprint-3	Creating the database.	USN-8	The database is used to store the user details and the previously processed cheques	6	Medium	Tharun Kumar
Sprint-4	Image scanning and uploading	USN-3,4	The user uploads the image of the cheque to be processed either by scanning or uploading it from the local file structure.	12	Medium	Narayanan MS Ramalingam V
Sprint-4	Displaying the results	USN-5,6	We get the results from the backend and display it to the user.	8	Low	Akash Iyer Tharun Kumar

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:

$$AV = \frac{\text{sprint duration}}{\text{velocity}} = \frac{20}{6} = 3.33$$

Burndown Chart:

