

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID33904
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	Data Collection	USN-1	As a user, I can collect the dataset from various resources with different handwritings	10	Low	Shiyamala. A
Sprint-1	Data Pre-processing	USN-2	As a user, I can load the dataset, handling the missing data, scaling and split data into train and test	10	Medium	Praveen Kumar. E
Sprint-2	Model building	USN-3	As a user, I will get an application with ML model which provides higher accuracy of recognized handwritten digit	5	High	Sharmila banu. K
Sprint-2	Add CNN layers	USN-4	Creating a model and adding the input, hidden, and output layers to it.	5	High	Gomathi shanker. S
Sprint-2	Compiling the model	USN-5	With both the training data defined and model defined, it's time to configure the learning process	2	High	Praveen kumar. E
Sprint-2	Train and test the model	USN-6	As a user, let us train our model with our image dataset.	6	Medium	Shiyamala. A
Sprint-2	Save the model	USN-7	As a user, the model is saved & integrated with an android application or web application in order to predict something.	2	Low	Gomathi shanker. S

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Building UI Application	USN-8	As a user, I will upload the handwritten digit image to the application by clicking a upload button.	5	High	Sharmila banu. K
Sprint-3		USN-9	As a user, I can know the details of the fundamental usage of the application.	5	Low	Shiyamala. A
Sprint-3		USN-10	As a user, I can see the predicted/ recognized digits in the application.	5	Medium	Praveen kumar. E
Sprint-4	Train the model on IBM	USN-11	As a user, I train the model on IBM and integrate flask/ Django with scoring end point .	10	High	Gomathi shanker. S
Sprint-4	Cloud Deployment	USN-12	As a user ,I can access the web application and make the use of the product from anywhere	10	High	Sharmila banu. K

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	5 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)

Average velocity= $\text{Sprint duration} / \text{velocity} = 20 / 6 = 3.33$

Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

A NOVEL METHOD FO...

Software project

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Projects / A NOVEL METHOD FOR HANDWRITTEN DIGIT RECOGNITION SYSTEM

All sprints

Epic ▾

Sprint ▾

GROUP BY: None ▾

Insights

Complete sprint

TO DO

IN PROGRESS 12 ISSUES

DONE ✓

As a user, I can collect the dataset from various resources with different handwritings

DATA COLLECTION

NMFHDRS-1

10

As a user, I can load the dataset, handling the missing data, scaling and split data into train and test

DATA PRE PROCESSING

NMFHDRS-2

10

As a user, I will get an application with ML model which provides high accuracy of recognized handwritten digit

MODEL BUILDING

NMFHDRS-3

5

Insights NMFHDRS Sprint 1 ▾

Sprint progress

Done	In progress	Not started
0%	100%	0%

Sprint burndown

Add estimates to manage and maintain scope

This insight helps you compare planned worked against completed work, so you can track scope and pivot as needed. [Learn more](#)

Epic progress

This sprint is working towards 2 epics

NMFHDRS-14 data pre processing 0% done

NMFHDRS-13 Data collection 0% done

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Understand the burndown insight

Sprint burndown

7 points done, 19 points to go

On track

Not seeing this insight? Add estimates to your issues in order to calculate your sprint burndown. If you've added estimates after your sprint has started, you'll need to update the sprint's start and end date in the backlog to view this data. [Learn more about adding estimates.](#)

The Burndown insight helps you keep an eye on your sprint progress as it's happening. By

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