Project Planning Phase

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

Team ID	PNT2022TMID30607
Project Name	Project – 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	Home	USN-1	As a user, I can go to the home page of the handwritten digit recognition for detection.	2	Medium	Varsha.S Sibiya.T Sneka.S Vijayalakshmi.V Srimadhumitra.M
Sprint-2	Upload image of handwritten digit or documents	USN-2	As a user, I can able to input the images of handwritten digit or documents to the application.	3	Low	Varsha.S Sibiya.T Sneka.S Vijayalakshmi.V Srimadhumitra.M
Sprint-3	Prediction	USN-3	As a user, I can predict the word.	4	High	Varsha.S Sibiya.T Sneka.S Vijayalakshmi.V Srimadhumitra.M
Sprint-4	Recognize digit	USN-4	As a user I can able to get the recognized digit as output from the images of digital documents or images.	2	Medium	Varsha.S Sibiya.T Sneka.S Vijayalakshmi.V Srimadhumitra.M

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	05 Nov 2022	20	05 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

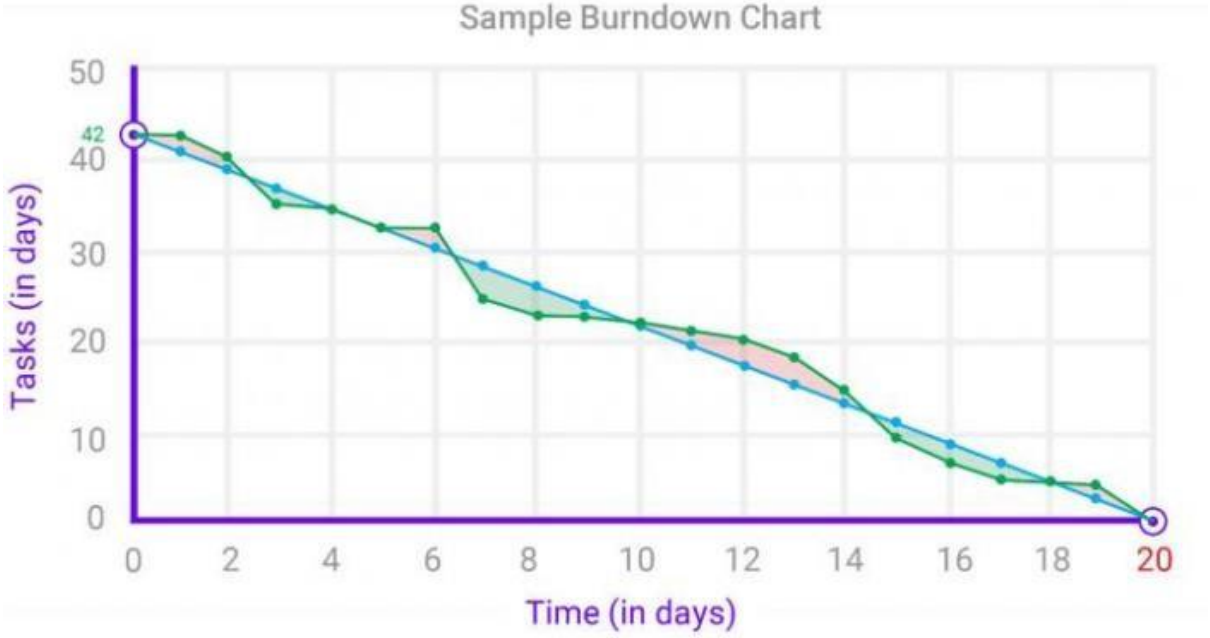
Velocity:

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)

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

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


Sample Burndown Chart
50
42
40
30
20
10
0
Tasks (in days)
0
2
4
6
8
10
12
14
16
18
20
Time (in days)