

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

Date	18 Octobar 2022
Team ID	PNT2022TMID38603
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 (NOV-6)	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	S T. PRAKASH
Sprint-1		USN -2	As a user, I will receive confirmation email once I have registered for the application	1	High	S. SARAVAN AN
Sprint-2		USN -3	As a user, I can register for the application through Facebook	2	Low	S. DELLIBAB U

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1		USN -4	As a user, I can register for the application through Gmail	2	Medium	S.THARUN KUMAR
Sprint-1	Login (NOV-7)	USN -5	As a user, I can log into the application by entering email & password	1	High	S. DELLIBABU
Sprint-2	Dashboard (NOV-8)	USN-6	See a list of all member's and visitors	1	Low	S T. PRAKASH
Sprint-2		USN -7	Add new security groups	1	High	S. THARUN KUMAR
Sprint-2		USN -8	As a user I can turn on the camera I can get the input to High Sprint-3 using the input button.	1	High	S. SARAVANAN
Sprint-3	About	USN -9	I can also upload images from the cloud.	2	High	S. DELLIBABU
Sprint-3	Input	USN -10	I can also scan the digit and it I can get the recognised High Sprint-4 recognizes it.	2	High	S T. PRAKASH
Sprint-3		USN -11	I can scan one page at once.	1	Low	S. THARUNKUMAR
Sprint-3		USN -12	I can scan two pages at once.	1	Low	S. SARAVANAN

Sprint-4	Launch	USN -13	I can scan two pages at once.	1	Low	S. DELLIBAB U
----------	--------	---------	-------------------------------	---	-----	---------------------

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:

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)

$$AV = \frac{\text{sprint duration}}{\text{velocity}} = \frac{20}{10} = 2$$
$$= 20 / 6 = 3.33$$

Sprint 1 – Velocity = 20 / 6 = **3.33**

Sprint 2 – Velocity = 20 / 6 = **3.33**

Sprint 3 – Velocity = 20 / 6 = **3.33**

Sprint 4 – Velocity = 20 / 6 = **3.33**

Average Velocity = 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.

