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

Date	24 October 2022
Team ID	PNT2022TMID37900
Project Name	Project - 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.	20	High	Samprokshana
Sprint-1	Verification	USN-2	As a user, I will receive confirmation email once I have registered for the application	20	High	Diya
Sprint-2	Recognition	USN-3	User is able to recognise the text through this system	20	High	Samprokshana, Diya
Sprint-1	Alternate Registration-Way 1	USN-4	As a user, I can register for the application through Facebook	20	Low	Nasrin Banu
Sprint-1	Alternate Registration-Way 2	USN-5	As a user, I can register for the application through Gmail	20	Medium	Dinesh Mongia
Sprint-1	Login	USN-6	As a user, I can log into the application by entering email & password	20	High	Samprokshana
Sprint-3	Feedback	USN-7	As a user, I can give feedback about the application	20	High	Samprokshana, Diya, Nasrin Banu, Dinesh Mongia

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Customer service support	USN-8	User can directly talk to chatbot about the services	20	High	Samprokshana, Diya, Nasrin Banu, Dinesh Mongia

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		29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022		05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022		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 burndown 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.

SFRA	Sprint
SFRA-1 reg	Sprint-1
SFRA-2 verification	Sprint-1
SFRA-3 login	Sprint-1
SFRA-4 reg alternative	Sprint-1
SFRA-5 homepage	Sprint-2
SFRA-6 result page	Sprint-2
SFRA-7 create database for users	Sprint-2
SFRA-8 feedback	Sprint-3
SFRA-9 customer support	Sprint-4
SFRA-10 testing and debugging the appn	Sprint-5
SFRA-11 containers of appln	Sprint-5
SFRA-12 deploy the appln	Sprint-5

🏃 BURNDOWN CHART

Days

Legend: Expected (red line with markers)

Data points (value labels along the expected line): 2, 2, 3, 3, 4, 4, 5, 5, 5, 5, 6, 6, 6, 6, 7, 7, 8, 8, 9, 9, 9, 10, 10, 11, 12

X-axis: 24 Oct, 26 Oct, 28 Oct, 30 Oct, 1 Nov, 3 Nov, 5 Nov, 7 Nov, 9 Nov, 11 Nov, 13 Nov, 15 Nov, 17 Nov, 19 Nov

Y-axis: 5, 10