Project Planning Phase

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

Date	04 November 2022
Team ID	PNT2022TMID45380
Project Name	Project - Real-Time Communication System Powered by AI for Specially Abled
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	User Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password or through Gail, Facebook.	20	High	Shruthi.s Abitha.K Ruthra Devi.M Rebekka.P
Sprint-2	Data Input	USN-2	As a user, I will be giving the input via Camera as sign language or via speech.	20	High	Shruthi.s Abitha.K Ruthra Devi.M Rebekka.P
Sprint-3	Data Verification	USN-3	Once the user gives the data input via sign languages or speech it verifies with the database.	20	High	Shruthi.s Abitha.K Ruthra Devi.M Rebekka.P
Sprint-4	Final Delivery	USN-4	Verifies with the data set and converts the input to text messages.	20	High	Shruthi.s Abitha.K Ruthra Devi.M Rebekka.P

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	29 Oct 2022	01 Nov 2022	20	04 Nov 2022
Sprint-2	20	6 Days	31 Oct 2022	04 Nov 2022	20	04Nov 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)

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

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.