Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID02070
Project Name	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	Registration	USN-1	User able to register by giving disability, mail id and fingerprint as a mode of password.	2	High	VIMAL, GURUSABARISHKUMAR
Sprint-1	Identity Confirmation	USN-2	User will get Identity confirmation mail.	2	High	Guruprakash, Mukilesh
Sprint-2	Terms and Condition	USN-3	User asked to accept the following terms and conditions and privacy policies are explained.	2	Medium	Vimal, GURUSABARISHKUMAR
Sprint-2	Alternate Registration Method	USN-5	User can use Gmail to register to application	2	Medium	VIMAL, MUKILESH
Sprint-1	Dashboard	USN-6	User land in dashboard of the application	1	High	GURUPRAKASH, MUKILESH
Sprint-3	Application	USN-7	User able to convert hand gesture into text	2	High	VIMAL, GURUSABARISHKUMAR
Sprint-4	Feedback	USN-8	User were asked of feedback of the application	1	Low	GURUPRAKASH, MUKILESH

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	18	6 Days	31 Oct 2022	05 Nov 2022	20	31 Oct 2022
Sprint-3	16	6 Days	07 Nov 2022	12 Nov 2022	20	07 Nov 2022
Sprint-4	15	6 Days	14 Nov 2022	19 Nov 2022	20	14 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)

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

Average Velocity → AV

- Velocity → Points per sprint

- Sprint Duration → Number of days per sprint

1. Sprint-1 : AV = 20/6 = 3.33

2. Sprint-2 : AV = 18/6 = 3

3. Sprint-3 : AV = 16/6 = 2.66

4. Sprint-4 : AV = 15/6 = 2.5

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.