Project Planning Phase

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

Date	31 October 2022
Team ID	PNT2022TMID03512
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	Download the application	USN-1	As a user, I can download the application in mobile or computer	2	High	-Benilla R J -Bhavadharshini -Charu Nivetha V -Deepalakshmi S
Sprint-1	Capturing	USN-2	User can open the application and can capture the sign language using the camera	1	High	-Benilla R J -Bhavadharshini -Charu Nivetha V -Deepalakshmi S
Sprint-2		USN-3	The sign language pictures are taken as input and are stored	2	Low	-Benilla R J -Bhavadharshini -Charu Nivetha V -Deepalakshmi S
Sprint-1	Converting to text	USN-4	With the help of AI, the sign language gestures are recognised into the form of text	2	Medium	-Benilla R J -Bhavadharshini -Charu Nivetha V -Deepalakshmi S
Sprint-1	Audio form	USN-5	For better understanding, the text format is converted to audio form	1	High	-Benilla R J -Bhavadharshini -Charu Nivetha V -Deepalakshmi S

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	31 Oct 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	07 Nov 2022
Sprint-4	20	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: