

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID10864
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	Gesture Recognition	USN-1	As a user, I can login the app and the gesture recognizer automatically captures the gesture done by me.	3	Medium	Carline Imakulate V
Sprint-1	Speech Recognition	USN-2	As a user, the speech recognizer records the speech and converts it into gestures.	2	Low	Gowthamy R M
Sprint-2	Track	USN-3	As a user this feature provides the ability to track the movement of the hand.	3	Medium	Abirami R
Sprint-2	Camera	USN-4	As a user, I can easily use this app without any difficulties as the camera easily captures the gesture.	1	Low	Angeline Joy Alex
Sprint-3	Microphone	USN-5	Speech recognition uses microphone for capturing the audio .	1	Low	Abirami R
Sprint-3	Predicting	USN-6	Using AI algorithm, prediction are made using the paramater provided.	5	Medium	Angeline Joy Alex
Sprint-4	Importing the libraries	USN-7	We have to implement necessary libraries in packages.	5	High	Gowthamy R M
Sprint-4	Result	USN-8	Quality of the nutrition is analyzed.	5	High	Carline Imakulate V

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		
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	20	6 Days	14 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)

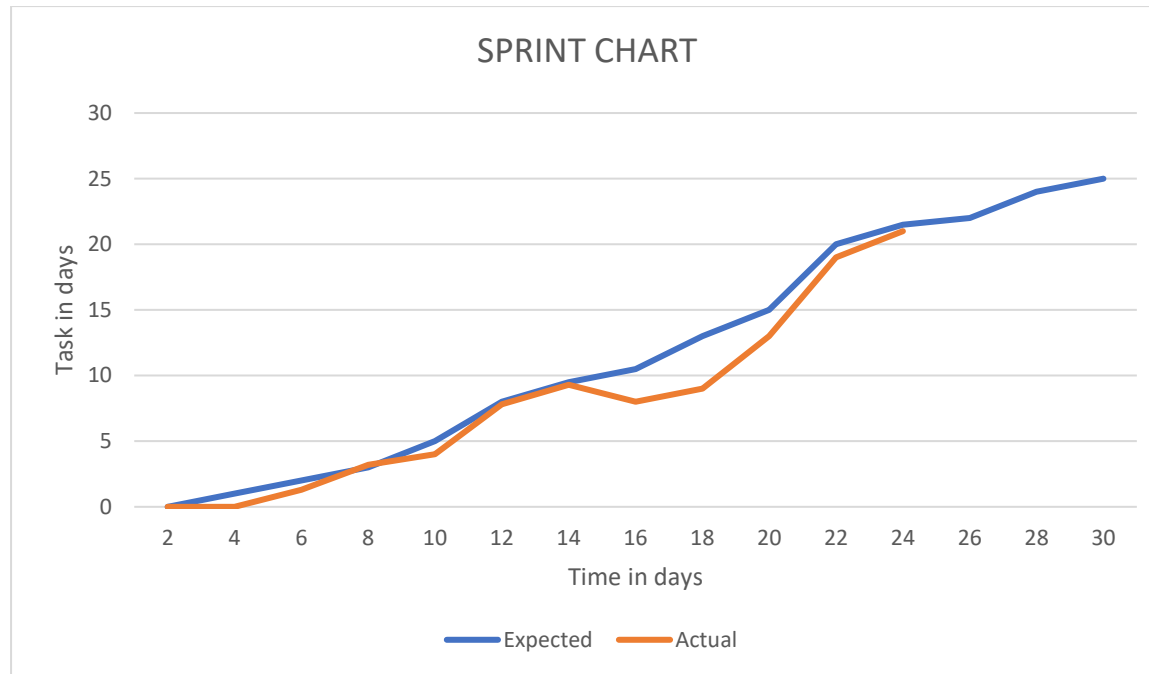
$$AV = \frac{\text{sprint duration}}{\text{velocity}} = \frac{20}{10} = 2$$

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.

<https://www.visual-paradigm.com/scrum/scrum-burndown-chart/>

<https://www.atlassian.com/agile/tutorials/burndown-charts>



Reference:

<https://www.atlassian.com/agile/project-management>

<https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software>

<https://www.atlassian.com/agile/tutorials/epics>

<https://www.atlassian.com/agile/tutorials/sprints>

<https://www.atlassian.com/agile/project-management/estimation>

<https://www.atlassian.com/agile/tutorials/burndown-charts>