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

Date	18 October 2022
Team ID	PNT2022TMID37965
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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	Abirami,Suryakala,Sandhiya,Karthika
Sprint-2	Registration	USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Abirami, Sandhiya
Sprint-1	Login	USN-3	As a user, I can log into the application by entering email & password	1	Medium	Karthika, Suryakala
Sprint-2	Dashboard	USN-4	As a user, I can log into my account in a given Dashboard	1	High	Sandhiya,Suryakala
Sprint-1	User interface	USN-5	Professional responsible for user requirements & needs	1	High	Abirami,Karthika
Sprint-3	Objective	USN-6	The goal is to describe all the inputs and outputs	1	High	Suryakala,Abirami
Sprint-4	Privacy	USN-7	The developed application should be secure for the users	1	High	Sandhiya, Karthika

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	21 OCT 2022	26 Oct 2022	20	27 Oct 2022
Sprint-2	20	6 Days	27 Oct 2022	01 Nov 2022	20	02 Nov 2022
Sprint-3	20	6 Days	02 Nov 2022	07 Nov 2022	20	07 Nov 2022
Sprint-4	20	6 Days	08 Nov 2022	13 Nov 2022	20	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)

$$Av = \frac{Sprint\ Duration}{Velocity}$$

$$Av = 6/10 = 0.6$$

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.