Project Planning Phase

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

Date	08 November 2022
Team ID	PNT2022TMID01231
Project Name	Project: Real – Time Communication System Powered by AI for Specially – Abled
Maximum Marks	4 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks):

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.	3	High	R K Tharun Kumar
Sprint – 1	Authentication	USN – 2	As a user, I will receive OTP to confirm details.	2	High	R K Tharun Kumar
Sprint – 1	Registration	USN – 3	As a user, I will receive confirmation email once I have registered for the application.	1	Low	A D Lalith kumar
Sprint – 1	Login	USN – 4	As a user, I can log into the application by entering email & password.	2	High	A D Lalith kumar
Sprint – 2	Dashboard	USN – 5	As a user, I must have one place to explore all available features.	3	High	Surya Xavier
Sprint – 2	Login	USN – 6	As a user, If I forget my password, I must get an auto-generated password to reset my password.	2	Medium	Surya Xavier
Sprint – 3	Help	USN – 7	As a user, I must be able to reach out to the Support Team to get my issues resolved.	1	Low	R Arulmozhi Ganesh

Sprint – 3	Management	USN – 8	As a user, I can access the site using mobile/ desktop.	3	High	R K Tharun Kumar
Sprint – 4	System	USN – 9	As a user, I must have access to previous usage history.	2	Medium	R Arulmozhi Ganesh
Sprint – 4	System	USN – 10	As a user, I can have audio output as well as text output.	3	High	R K Tharun Kumar

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	8	6 Days	24 October, 2022	29 October, 2022	20	01 November, 2022
Sprint – 2	5	6 Days	31 October, 2022	05 November, 2022	20	05 November, 2022
Sprint – 3	4	6 Days	07 November, 2022	12 November, 2022	20	15 November, 2022
Sprint – 4	5	6 Days	14 November, 2022	19 November, 2022	20	19 November, 2022

Velocity:

$$\text{Average Velocity} = \frac{\text{Velocity}}{\text{Sprint Duration}}$$

- Average Velocity → AV
- Velocity → Points per sprint
- Sprint Duration → Number of days per sprint

1. Sprint – 1: AV = $\frac{8}{6}$ = 1.34
2. Sprint – 2: AV = $\frac{5}{6}$ = 0.834
3. Sprint – 3: AV = $\frac{4}{6}$ = 0.67
4. Sprint – 4: AV = $\frac{5}{6}$ = 0.834