PROJECT PLANNING PHASE

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

TEAM ID	PNT2022TMID05117
PROJECT TITLE	IoT Based Safety Gadget for Child Safety Monitoring & Notification

Sprint Schedule :

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority
Sprint-1	Enrollment	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High
Sprint-2	IBM cloud	USN-2	As a user, I will receive confirmation email once I have registered for the application.	1	High
Sprint-2	Installingrequired software	USN-3	As a user, I can register for the application through Facebook.	2	Low
Sprint-3	Integration ofIBM cloud andNODE-RED	USN-4	As a user, I can register for the application through Gmail.	2	Medium
Sprint-4	AccountCreation	USN-5	As a user, I can log into the application by entering email & password.	1	High
Sprint-4	Dashboard	USN-6	I can instantly access all of myTo Do checklists and dashboard features.	2	Medium
Sprint-4	Overall	USN-8	This app will help in monitoring in various occasions.	2	High

Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date t fanned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	20 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	04 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		08 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022		19 Nov 2022

Velocity:

Imagine we have a 10-day sprint 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)

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

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.

BURNDOWN CHART

- Deadline - End date - Start date