Project Planning Phase

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

Date	17.11.2022
Team ID	PNT2022TMID46236
Project Name	Project - IoT Based Safety Gadget for Child Safety Monitoring and Notification
Maximum Marks	4 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	User Registration	USN-1	Registration through website Registration through app	2	High	N.Guna
Sprint-1	User Confirmation	USN-2	Confirmation via Email Confirmation via OTP	1	High	A.Nagarajan

Sprint-2	User login	USN-3	Setting up User Id and password	2	Low	S.Subash
Sprint-1	App permission	USN-4	Grant the permission for the app to access location, contact etc..	2	Medium	K.Manikandan

Sprint-1	Interface with the Device	USN-5	Connecting the device with the registered app with the device ID.	1	High	N.Guna
Sprint	**Functional Requirement (Epic)**	**User Story Number**	**User Story / Task**	**Story Points**	**Priority**	**Team Members**
Sprint-2	Setting Geo-location	USN-6	Creating the Geo-location area in the map	2	Low	K.Manikandan
Sprint-3	Database	USN-7	Location history is stored in the cloud. Can be accessed from the dashboard.	2	High	S.Subash A.Nagarajan

Sprint-4	Tracking location	USN-8	Tracking the location through app. Tracking the location through website.	2	High	N.Guna S.Subash A.Nagarajan K.Manikandan

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	27 Oct 2022	31 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	02 Nov 2022	06 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)

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

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