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

Date	22 October 2022
Team ID	PNT2022TMID46191
Project Name	IOT BASED SAFETY GADGET FOR CHILD SAFETY MONITORING AND NOTIFICATION
Maximum Marks	8 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	User Registration	USN-1	Registration through website and registration through app	2	High	Theo Thrinisha Mary Anitha, Malarvizhi, Nageswari
Sprint-1	User confirmation	USN-2	Confirmation via Email Confirmation Via OTP	1	High	Theo Thrinisha Mary Anitha, Malarvizhi, Nageswari
Sprint-2	User login	USN-3	Setting up user id and password	2	Low	Theo Thrinisha Mary Anitha, Malarvizhi, Nageswari
Sprint-1	App permission	USN-4	Grand the permission for the app to access location, contact etc.,	2	Medium	Theo Thrinisha Mary Anitha, Malarvizhi, Nageswari
Sprint-1	Interface with the Device	USN-5	Connecting the device with the registered app with the device id	1	High	Theo Thrinisha Mary Anitha, Malarvizhi, Nageswari
Sprint-2	Setting Geo- location	USN-6	Creating the geo-location area in the map	2	low	Theo Thrinisha Mary Anitha, Malarvizhi, Nageswari
Sprint-3	Database	USN-7	Location history is stored in the cloud. It can be accessed from the dashboard	2	high	Theo Thrinisha Mary Anitha, Malarvizhi, Nageswari
Sprint-4	Tracking the location	USN-8	Tracking the location through the app. Tracking the location through the website	2	high	Theo Thrinisha Mary Anitha, Malarvizhi, Nageswari

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	20	31 Oct 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	07 Oct 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	14 Oct 2022

Velocity:

Imagine we have 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)

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

Burndownchart:

BURNDOWN CHART

Sprint 4
- Deadline: 19-Nov-22
- End date: 19-Nov-22
- Start date: 14-Nov-22

Sprint 3
- Deadline: 08-Nov-22
- End date: 12-Nov-22
- Start date: 07-Nov-22

Sprint 2
- Deadline: 04-Nov-22
- End date: 05-Nov-22
- Start date: 31-Oct-22

Sprint 1
- Deadline: 20-Oct-22
- End date: 29-Oct-22
- Start date: 24-Oct-22

■ Deadline ■ End date ■ Start date