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

Date	08 November 2022
Team ID	PNT2022TMID30855
Project Name	Project - IOT Based Safety Gadget for Child Safety Monitoring&Notification
Maximum Marks	8 Marks

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

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, and password, and confirming my password.	4	High	ATHITIYA KA
Sprint-1	Confirmation Email	USN-2	As a user, I will receive a confirmation email once I have registered for the application	4	High	DHARANI S
Sprint-1	Authentication	USN-3	As a user, I can register for the application through Gmail and mobile app.	4	Medium	DINESH KUMAR CS
Sprint-1	Login	USN-4	As a user, I can log into the application by entering email & password	4	High	SHANMUKI
Sprint-1	Dashboard	USN-5	As a user, I need to be able to view the functions that I can perform	4	High	ARUN KUMAR K
Sprint-2	Notification	USN-1	As a user, I should be able to notify my parent and guardian in emergency situations	10	High	ATHITIYA KA

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Store data	USN-1	As a user, I need to continuously store my location data into the database.	10	Medium	ATHITIYA KA
Sprint-3	Communication	USN-1,2	As a user, I should be able to communicate with my parents	6	Low	ATHITIYA KA, DHARANI S
Sprint-3	IOT Device – Watson communication	USN-1,3	The data from IOT device should reach IBM Cloud	7	Medium	ATHITIYA KA, DINESH KUMAR CS
Sprint-3	Node RED- Cloudant DB communication	USN-1,4	The data stored in IBM Cloud should be properly integrated with Cloudant DB	7	High	ATHITIYA KA, DINESH KUMAR CS
Sprint-4	User – WebUI interface	USN-1,5	The Web UI should get inputs from the user	10	High	ATHITIYA KA, ARUN KUMAR K
Sprint-4	Geofencing	USN-1,2,5	The geofencing of the child should be done based on the geographical coordinates	10	High	ATHITIYA KA, DHARANI S, ARUN KUMAR K

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	01 Nov 2022	20	01 Nov 2022
Sprint-2	20	6 Days	31 Oct 2022	03 Nov 2022	20	03 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022
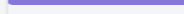
Velocity:

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)

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

SPRINTS	AV
SPRINT-1	20/6=3.33
SPRINT-2	20/6=3.33
SPRINT-3	20/6=3.33
SPRINT-4	20/6=3.33

MILESTONE:

Sprints	OCT 27 28 29 30	NOV 31 1 2 3 4 5 6	NOV 7 8 9 10 11 12 13	14 15 16
	CND Sprint 1	CND Sprint 2	CND Sprint 3	CND Sprint 4

- ⚡ CND-1 registration **DONE**
  - 🟩 CND-3 As a user, I can regi... **DONE** SINDHUJA.I
- ⚡ CND-4 Confirmation Email **DONE**
  - 🟩 CND-5 As a user, I will recei... **DONE** SHREE SH...
- ⚡ CND-6 Authentication **DONE**
  - 🟩 CND-7 As a user, I can regis... **DONE** 19TUEC222
- ⚡ CND-8 Login **DONE**
  - 🟩 CND-9 As a user, I can log... **DONE** SHANMUKL...
- ⚡ CND-10 Dashboard **DONE**
  - 🟩 CND-11 As a user, I need to... **DONE** 20TUEC802
- ⚡ CND-12 Notification ⚠
  - 🟩 CND-13 As a user, I s... **IN PROGRESS** SINDHUJA.I
- ⚡ CND-15 Store data ⚠
  - 🟩 CND-16 As a user, I n... **IN PROGRESS** SINDHUJA.I
- ⚡ CND-17 Communication
  - 🟩 CND-18 As a user, I should... **TO DO** SINDHUJA.I
  - 🟩 CND-27 As a user, I should... **TO DO** SHREE SH...
- ⚡ CND-19 IOT Device — Watson communication
  - 🟩 CND-20 The data from IOT... **TO DO** SINDHUJA.I
  - 🟩 CND-29 The data from IOT... **TO DO** 19TUEC222
- ⚡ CND-21 Node RED- Cloudant DB communication
  - 🟩 CND-30 The data stored in... **TO DO** SINDHUJA.I
  - 🟩 CND-22 The data stored i... **TO DO** SHANMUKL...
- ⚡ CND-23 User — WebUI interface
  - 🟩 CND-24 The Web UI shoul... **TO DO** SINDHUJA.I
  - 🟩 CND-31 The Web UI should... **TO DO** 20TUEC802
- ⚡ CND-25 Geofencing
  - 🟩 CND-26 The geofencing of... **TO DO** SINDHUJA.I
  - 🟩 CND-32 The geofencing of... **TO DO** SHREE SH...
  - 🟩 CND-33 The geofencing of t... **TO DO** 20TUEC802

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.