

## Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID26030
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	Mithra shree.K.R
Sprint-1	Confirmation Email	USN-2	As a user, I will receive a confirmation email once I have registered for the application	4	High	Ann Maria Fredy
Sprint-1	Authentication	USN-3	As a user, I can register for the application through Gmail and mobile app.	4	Medium	Swethapriyaa.S
Sprint-1	Login	USN-4	As a user, I can log into the application by entering email & password	4	High	Tejaswini.G
Sprint-1	Dashboard	USN-5	As a user, I need to be able to view the functions that I can perform	4	High	Mithra shree.K.R

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Notification	USN-1	As a user, I should be able to notify my parent and guardian in emergency situations	10	High	Ann Maria Fredy
Sprint-2	Store data	USN-1	As a user, I need to continuously store my location data into the database.	10	Medium	Swethapriyaa.S
Sprint-3	Communication	USN-1,2	As a user, I should be able to communicate with my parents	6	Low	Tejaswini.G
Sprint-3	IOT Device – Watson communication	USN-1,3	The data from IOT device should reach IBM Cloud	7	Medium	Mithra shree.K.R
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	Ann Maria Fredy
Sprint-4	User – WebUI interface	USN-1,5	The Web UI should get inputs from the user	10	High	Swethapriyaa.S
Sprint-4	Geofencing	USN-1,2,5	The geofencing of the child should be done based on the geographical coordinates	10	High	Tejaswini.G

**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	05 Nov 2022

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-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)

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

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

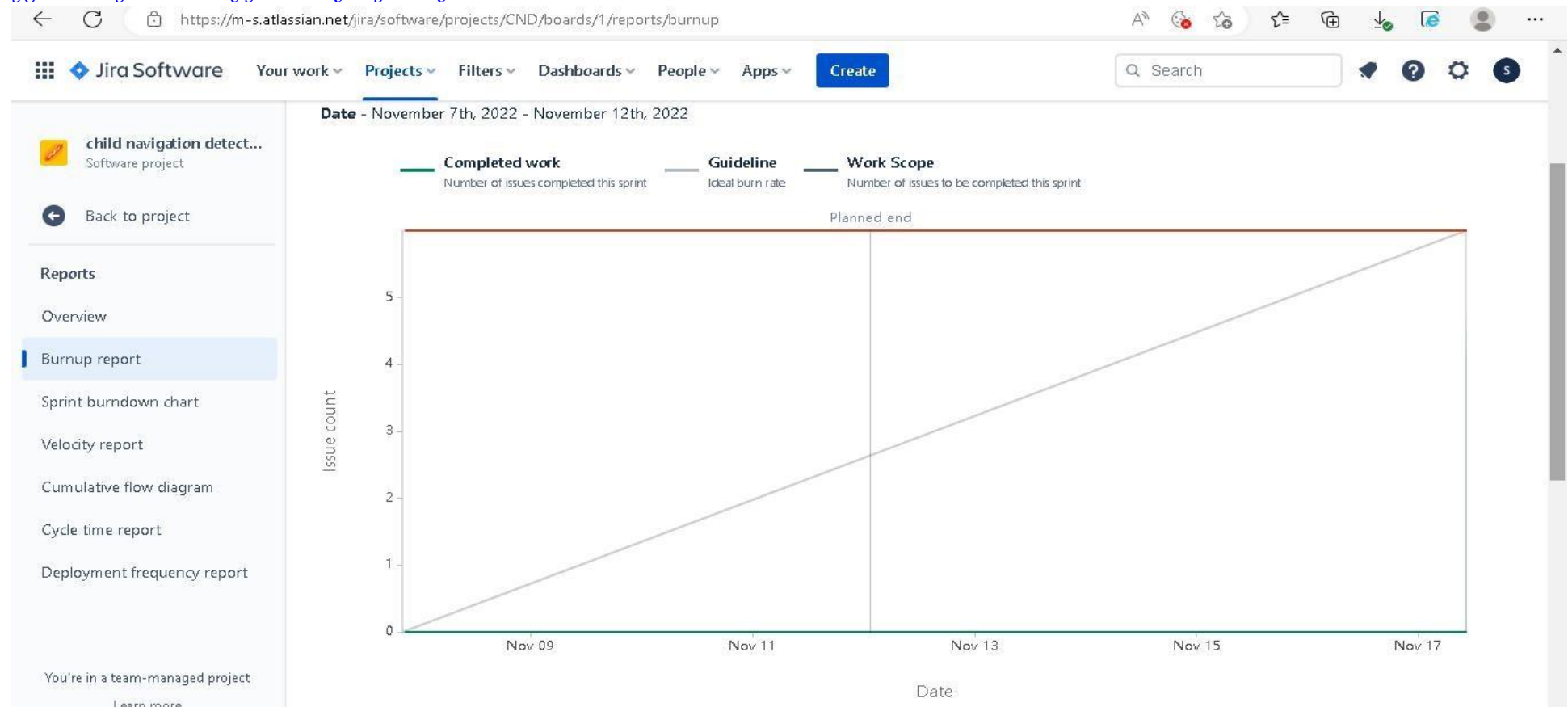
## MILESTONE:

	OCT 27	28	29	30	31	NOV 1	2	3	4	5	6	7	8	9	NOV 10	11	12	13	14	15	16
Sprints	CND Sprint 1				CND Sprint 2							CND Sprint 3					CND Sprint 4				
<div>✦ CND-1 registration</div> <div>✦ CND-3 As a user, I can regi... DONE SINDHUJA.I</div>																					
<div>✦ CND-4 Confirmation Email</div> <div>✦ CND-5 As a user, I will recei... DONE SHREE SH...</div>																					
<div>✦ CND-6 Authentication</div> <div>✦ CND-7 As a user, I can regis... DONE 19TUEC222</div>																					
<div>✦ CND-8 Login</div> <div>✦ CND-9 As a user, I can log... DONE SHANMUKL...</div>																					
<div>✦ CND-10 Dashboard</div> <div>✦ CND-11 As a user, I need to... DONE 20TUEC802</div>																					
<div>✦ CND-12 Notification</div> <div>✦ CND-13 As a user, I s... IN PROGRESS SINDHUJA.I</div>																					
<div>✦ CND-15 Store data</div> <div>✦ CND-16 As a user, I n... IN PROGRESS SINDHUJA.I</div>																					
<div>✦ CND-17 Communication</div> <div>✦ CND-18 As a user, I should... TO DO SINDHUJA.I</div> <div>✦ CND-27 As a user, I should... TO DO SHREE SH...</div>																					
<div>✦ CND-19 IOT Device – Watson communication</div> <div>✦ CND-20 The data from IOT... TO DO SINDHUJA.I</div> <div>✦ CND-29 The data from IOT... TO DO 19TUEC222</div>																					
<div>✦ CND-21 Node RED- Cloudant DB communication</div> <div>✦ CND-30 The data stored in... TO DO SINDHUJA.I</div> <div>✦ CND-22 The data stored i... TO DO SHANMUKL...</div>																					
<div>✦ CND-23 User – WebUI interface</div> <div>✦ CND-24 The Web UI shoul... TO DO SINDHUJA.I</div> <div>✦ CND-31 The Web UI should... TO DO 20TUEC802</div>																					
<div>✦ CND-25 Geofencing</div> <div>✦ CND-26 The geofencing of... TO DO SINDHUJA.I</div> <div>✦ CND-32 The geofencing of... TO DO SHREE SH...</div> <div>✦ CND-33 The geofencing of t... TO DO 20TUEC802</div>																					



**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.

Link: <https://ms.atlassian.net/jira/software/projects/CND/boards/1/roadmap?shared=&atlOrigin=eyJpIjojMjY0OGZiN2ViYTZmNGQ2Njg0ZDU3Zjh1NTViN2JjNTciLCJwIjoiajJ9>



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## Sprint burndown chart

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Sprint  
CND Sprint 3 ▾

Estimation field  
Issue count ▾

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Date - November 7th, 2022 - November 12th, 2022

