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

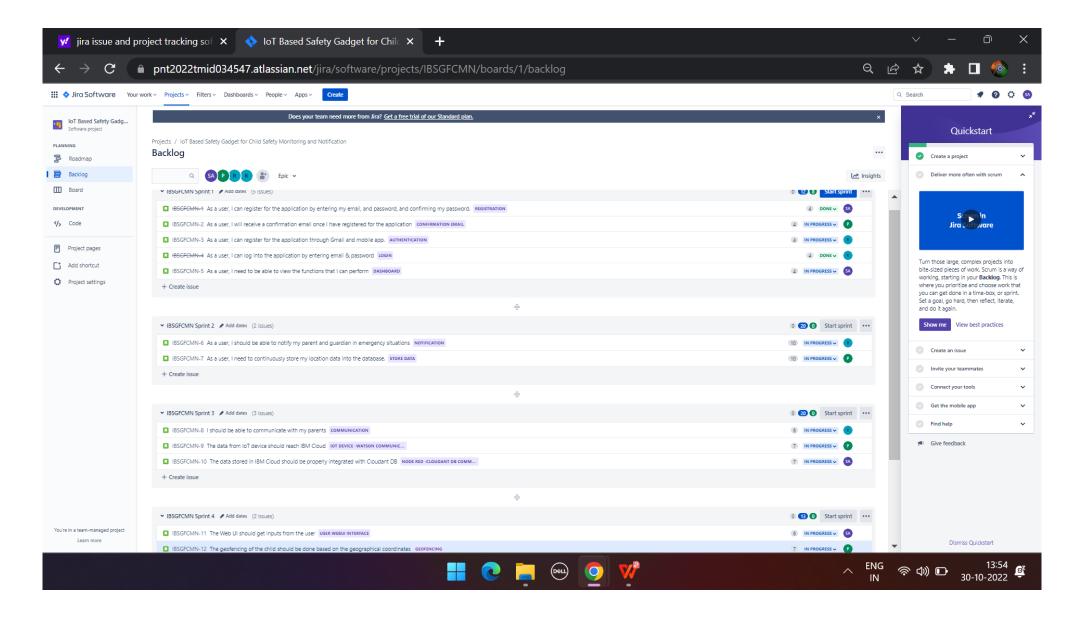
TEAM ID	PNT2022TMID34547
Project title	IoT based Safety Gadget for Child Based Monitoring and
	Notification

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

Use the below template to create a 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	SRIVENI A	
Sprint-1	Confirmation Email	USN-2	<u> </u>		High	SUSHMA	
Sprint-1	Authentication	USN-3	As a user, I can register for the application 4 through Gmail and mobile app.		Medium	RATHI R	
Sprint-1	Login	USN-4	As a user, I can log into the application by entering email & password		High	KARTHIKA DEVI M	
Sprint-1	Dashboard	USN-5	As a user, I need to be able to view the functions that I can perform		High	SRIVENI A	
Sprint-2	Notification	USN-1	As a user, I should be able to notify my parent 10 High and guardian in emergency situations		High	RATHI R	
Sprint-2	Store data	USN-2	As a user, I need to continuously store my 10 Medium location data into the database.		Medium	SUSHMA	
Sprint-3	Communication	USN-3,1	I should be able to communicate with my parents	6	Low	KARTHIKA DEVI M	

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	IoT Device – Watson communication	USN-1,4	The data from IoT device should reach IBM Cloud	7	Medium	SUSHMA
Sprint-3	Node RED- Cloudant DB communication	USN-5,2	The data stored in IBM Cloud should be properly integrated with Cloudant DB	7	High	SRIVENI A
Sprint-4	User – WebUI interface	USN-1,4	The Web UI should get inputs from the user	6	High	SRIVENI A
Sprint-4	print-4 Geofencing USN-2,3,5		The geofencing of the child should be done based on the geographical coordinates	7	High	SUSHMA



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-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)

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



