

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

DATE	26 OCTOBER 2022
TEAM ID	PNT2022TMID20466
PROJECT NAME	IOT BASED SAFETY GADGET FOR CHILDSAFETY MONITORING AND NOTIFICATION
TEAM LEADER	MONALISA M
TEAM MEMBERS	KIRUTHIKA D MADHUSRI J RAHAMATH SHIHANA S

**Product Backlog, Sprint Schedule, and Estimation**

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	Create and Configure IBM Cloud Services	USN-1	As a user I need to enroll the cloud registration	3	HIGH	Monalisa M
Sprint-1		USN-2	As a user, I will create IBM cloud account.	2	MEDIUM	Monalisa M
Sprint-1		USN-3	After creating cloud account launch IBM Watson IOT platform by accessing cloud account	5	HIGH	Madhusri J
Sprint-1		USN-4	Create the node in IBM Watson platform	7	HIGH	Kiruthika D
Sprint-1		USN-5	After Creating node get device Type and id	1	LOW	Rahamath Shihana S

Sprint-1		USN-6	Simulate the node created	3	MEDIUM	Rahamath Shihana S
Sprint-2	Create and access Node-Red	USN-7	As a user ,I can create Node-red by app deployment	5	HIGH	Madhusri J
Sprint-2		USN-8	Connect IBM Watson with node red through API key	2	LOW	Kiruthika D
Sprint-2		USN-9	Design the project flow using Node-Red	7	HIGH	Monalisa M
Sprint-2		USN-10	Check for the proper connections and the output in the node red application	3	MEDIUM	Madhusri J
Sprint-3	Create A Database in Cloudant DB	USN-11	Launch the Cloudant DB and Create database to store the location data	4	HIGH	Rahamath Shihana S
Sprint-3	Develop the Python script	USN-12	Install the python software	2	LOW	Madhusri J
Sprint-3		USN-13	Develop the python scripts to publish details to IBM IoT Platform	6	HIGH	Kiruthika D
Sprint-3		USN-14	Integrate the device id, authentication token in python script	2	LOW	Madhusri J
Sprint-3		USN-15	Develop the python code for publishing the location (latitude & longitude) to IBM IoT Platform	8	HIGH	Monalisa M
Sprint-4	Create the Web application using Node Red	USN-16	Develop the Web application using Node red	5	HIGH	Rahamath Shihana S
Sprint-4		USN-17	Connect to the IBM IoT Platform and get the location and Store the data in the Cloudant	2	MEDIUM	Kiruthika D
Sprint-4		USN-18	Create the geofence and Google map for location identification	8	HIGH	Monalisa M
Sprint-4		USN-19	Integrate the geofence and Google map to check if the child is inside or outside the geofence	11	HIGH	Monalisa M
Sprint-4		USN-20	Send the notifications if the child is outside the geofence	4	HIGH	Madhusri J

### Project Tracker, Velocity & Burndown Chart

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	21	6 Days	24 Oct 2022	29 Oct 2022	21	29 Oct 2022
Sprint-2	17	6 Days	31 Oct 2022	05 Nov 2022	17	05 Nov 2022
Sprint-3	22	6 Days	07 Nov 2022	12 Nov 2022	22	12 Nov 2022
Sprint-4	30	6 Days	14 Nov 2022	19 Nov 2022	30	19 Nov 2022