

Project Planning Phase

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

Date	10 November 2022
Team ID	PNT2022TMID12986
Project Name	IOT BASED SAFETY GADGET FOR CHILD MONITORING AND NOTIFICATION
Maximum Marks	8 Marks

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

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	K.Yamuna Priyadharshini S.Kovarthini S.Varshini S.V.Chopra
Sprint-1		USN-2	As a user, I will create IBM cloud account.	2	MEDIUM	K.Yamuna Priyadharshini S.Kovarthini S.Varshini S.V.Chopra
Sprint-1		USN-3	After creating cloud account launch IBM Watson IOT platform by accessing cloud account	5	HIGH	K.Yamuna Priyadharshini S.Kovarthini S.Varshini S.V.Chopra
Sprint-1		USN-4	Create the node in IBM Watson platform	7	HIGH	K.Yamuna Priyadharshini S.Kovarthini S.Varshini S.V.Chopra

Sprint-1		USN-5	After Creating node get device Type and id	1	LOW	K.Yamuna Priyadharshini S.Kovarthini S.Varshini S.V.Chopra
----------	--	-------	--	---	-----	---

Sprint-1		USN-6	Simulate the node created	3	MEDIUM	K.Yamuna Priyadharshini S.Kovarthini S.Varshini S.V.Chopra
Sprint-2	Create and access Node-Red	USN-7	As a user, I can create Node-red by app deployment	5	HIGH	K.Yamuna Priyadharshini S.Kovarthini S.Varshini S.V.Chopra
Sprint-2		USN-8	Connect IBM Watson with node red through API key	2	LOW	K.Yamuna Priyadharshini S.Kovarthini S.Varshini S.V.Chopra
Sprint-2		USN-9	Design the project flow using Node-Red	7	HIGH	K.Yamuna Priyadharshini S.Kovarthini S.Varshini S.V.Chopra
Sprint-2		USN-10	Check for the proper connections and the output in the node red application	3	MEDIUM	K.Yamuna Priyadharshini S.Kovarthini S.Varshini S.V.Chopra

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Create A Database in Cloudant DB	USN-11	Launch the Cloudant DB and Create database to store the location data	4	HIGH	K.Yamuna Priyadharshini S.Kovarthini S.Varshini S.V.Chopra

Sprint-3	Develop the Python script	USN-12	Install the python software	2	LOW	K.Yamuna Priyadharshini S.Kovarthini S.Varshini S.V.Chopra
Sprint-3		USN-13	Develop the python scripts to publish details to IBM IoT Platform	6	HIGH	K.Yamuna Priyadharshini S.Kovarthini S.Varshini S.V.Chopra
Sprint-3		USN-14	Integrate the device id, authentication token in python script	2	LOW	K.Yamuna Priyadharshini S.Kovarthini S.Varshini S.V.Chopra
Sprint-3		USN-15	Develop the python code for publishing the location (latitude & longitude) to IBM IoT Platform	8	HIGH	K.Yamuna Priyadharshini S.Kovarthini S.Varshini S.V.Chopra
Sprint-4	Create the Web application using Node Red	USN-16	Develop the Web application using Node red	5	HIGH	K.Yamuna Priyadharshini S.Kovarthini S.Varshini S.V.Chopra
Sprint-4		USN-17	Connect to the IBM IoT Platform and get the location and Store the data in the Cloudant	2	MEDIUM	K.Yamuna Priyadharshini S.Kovarthini S.Varshini S.V.Chopra
Sprint-4		USN-18	Create the geofence and Google map for location identification	8	HIGH	K.Yamuna Priyadharshini S.Kovarthini S.Varshini S.V.Chopra
Sprint-4		USN-19	Integrate the geofence and Google map to check if the child is inside or outside the geofence	11	HIGH	K.Yamuna Priyadharshini S.Kovarthini S.Varshini S.V.Chopra

Sprint-4		USN-20	Send the notifications if the child is outside the geofence	4	HIGH	K.Yamuna Priyadharshini S.Kovarthini S.Varshini S.V.Chopra
----------	--	--------	---	---	------	---

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	21	6 Days	12 Nov 2022	17 Nov 2022	21	17 Nov 2022
Sprint-2	17	6 Days	18 Nov 2022	24 Nov 2022	17	24 Nov 2022
Sprint-3	22	6 Days	26 Nov 2022	02 Dec 2022	22	02 Dec 2022
Sprint-4	30	6 Days	03 Dec 2022	09 Dec 2022	30	09 Dec 2022