Project Planning Phase

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

Date	21 October 2022
Team ID	PNT2022TMID01183
Project Name	IOT based child safety monitoring system
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	In this milestone,create and configure the IBM cloud services	10	High	Swetha, jyothi, Thirupugazhi, Sandhiya
Sprint-1	Create IBM Watson IoT platform and device	USN-2	In order to connect the IOT device to the IBM cloud, create a device in the IBM Watson IOT platform and get the device credentials.	7	Medium	sandhiya, Swetha
Sprint-2	Create node RED service	USN-3	To create a web application create a Node-RED service.	10	High	Jyothi
Sprint-3	Create a database in cloudant DB	USN-4	Launch the cloudant DB and create a database to store the location data.	7	Medium	Thirupugazhi, Jyothi
Sprint-3	Develop the python script	USN-5	Develop a python code for publishing the location (latitude and longitude) data to the IBM IOT Platform.	10	High	Sandhiya, Thirupugazhi Swetha
Sprint-4	Develop a web application using Node RED service and implementation.	USN-6	Develop the web application using Node-RED services	7	Medium	Swetha, Thirupugazhi Sandhiya Jyothi

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	10	6 Days	24 Oct 2022	29 Oct 2022	8	29 Oct 2022
Sprint-2	10	6 Days	31 Oct 2022	04 Nov 2022	5	04 Nov 2022
Sprint-3	10	6 Days	07 Nov 2022	11 Nov 2022	7	11 Nov 2022
Sprint-4	10	6 Days	14 Nov 2022	18 Nov 2022	5	18 Nov 2022

Velocity:

$$AV = \frac{sprint\ duration}{velocity}$$

AV = 6/10 = 0.6

Burndown Chart: