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

Team ID	PNT2022TMID44407
Project Name	IoT Based Safety Gadget for Child SafetyMonitoring & Notification

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 device	USN-1	Create the Iot platform	10	High	BHUVANESHWARI.M MAHESHWARI.M PAVITHRA .R INDHUMATHI.P
Sprint-1	Database	USN-2	Connect to IBM Cloud	5	High	BHUVANESHWARI.M MAHESHWARI.M PAVITHRA .R INDHUMATHI.P
Sprint-1	Authentication	USN-3	Connecting IBM Watson and Run the python code	5	High	BHUVANESHWARI.M MAHESHWARI.M PAVITHRA .R INDHUMATHI.P
Sprint-2	service	USN-4	Creating node red service	5	Low	BHUVANESHWARI.M MAHESHWARI.M PAVITHRA .R INDHUMATHI.P

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Use API key	USN-5	Using IBM Iot node through API key	10	Medium	BHUVANESHWARI.M MAHESHWARI.M PAVITHRA .R INDHUMATHI.P
Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Python code	USN-6	Transferring values from python code	5	Medium	BHUVANESHWARI.M MAHESHWARI.M PAVITHRA .R INDHUMATHI.P
Sprint-3	Database	USN-7	Create cloudant DB and node red service with cloudant DB	10	High	BHUVANESHWARI.M MAHESHWARI.M PAVITHRA .R INDHUMATHI.P
Sprint-3	App information	USN-8	Create app in Mit app inventor	10	High	BHUVANESHWARI.M MAHESHWARI.M PAVITHRA .R INDHUMATHI.P
Sprint-4	Service	USN- 9	Connecting the Node-Red Service	10	Medium	BHUVANESHWARI.M MAHESHWARI.M PAVITHRA .R INDHUMATHI.P
Sprint-4	User interface	USN-10	MIT app With Web UI .	5	Low	BHUVANESHWARI.M MAHESHWARI.M PAVITHRA .R INDHUMATHI.P

Sprint-4	Location tracking	USN-11	Show the child location and notify	5	Medium	BHUVANESHWARI.M MAHESHWARI.M PAVITHRA .R INDHUMATHI.P

Project Tracker, Velocity & Burn down 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	05 Nov 2022	10 Nov 2022		
Sprint-3	20	6 Days	06 Nov 2022	11 Nov 2022		
Sprint-4	20	6 Days	06 Nov 2022	11 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)

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