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

Date	21 October 2022
Team ID	PNT2022TMID41351
Project Name	Project – Project planning phase
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	Hardware	USN-1	Sensors and wi-fi module with python code.	2	High	R.Nandhini,J.Jayamalini,S.Sneka,V.K.Oviya
Sprint-2	Software	USN-2	IBM Watson IoT platform, Workflows for IoT scenarios using Node-red	2	High	R.Nandhini,J.Jayamalini,S.Sneka,V.K.Oviya

| Sprint-3 | MIT app | USN-3 | To develop an mobile application using MIT | 2 | High | R.Nandhini,J.Jayamalini,S.Sneka,V.K.Oviya |
| Sprint-4 | Web UI | USN-4 | To make the user to interact with software. | 2 | High | R.Nandhini,J.Jayamalini,S.Sneka,V.K.Oviya |

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	5th NOV 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12th NOV 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	14th 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)

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

Burndown Chart: