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

Date	22 OCTOBER 2022
Team ID	PNT2022TMID24018
Project Name	Signs with smart connectivity for better road safety
Maximum Marks	6 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 Member
Sprint-1	Initialise the resources	USN-1	Create accounts in Open weather API	10	low	Gokul
Sprint-1	Initialise the resources	USN-2	Register in IBM cloud open watson platform and node red services.	10	high	Gokul

Sprint-2	Node Red Software is used	USN-3	Develope a Python script for getting data from open weather map API, create web using Node Red for displaying open weather map data. Sending the data to the IBM cloud by python script for the better accessing from anywhere	10	Medium	Abdul
Sprint-2	Sending the data to IBM cloud	USN-4	Create web using Node Red for displaying open weather map data, by accessing the data from IMB WATSON..	10	Low	Nawsath Ali
Sprint-3	Interconnection of GPS module	USN-5	Traffic and Fatal situation information is collected as a data and encoded.	10	High	Jai Ganesh
Sprint-4	Random data	USN-6	Traffic and Fatal situation information is collected as a data and encoded. Schools, Hospitals and more public occupied area is continuously monitored through GPS technology data collected through python script and displayed in the WEB UI	10	High	Abdul

Sprint-4	Deployment	USN-7	Gathered data from sprint 2 & 3 is deployed in Node Red service to link online API's.	20	High	Nawsath ALi

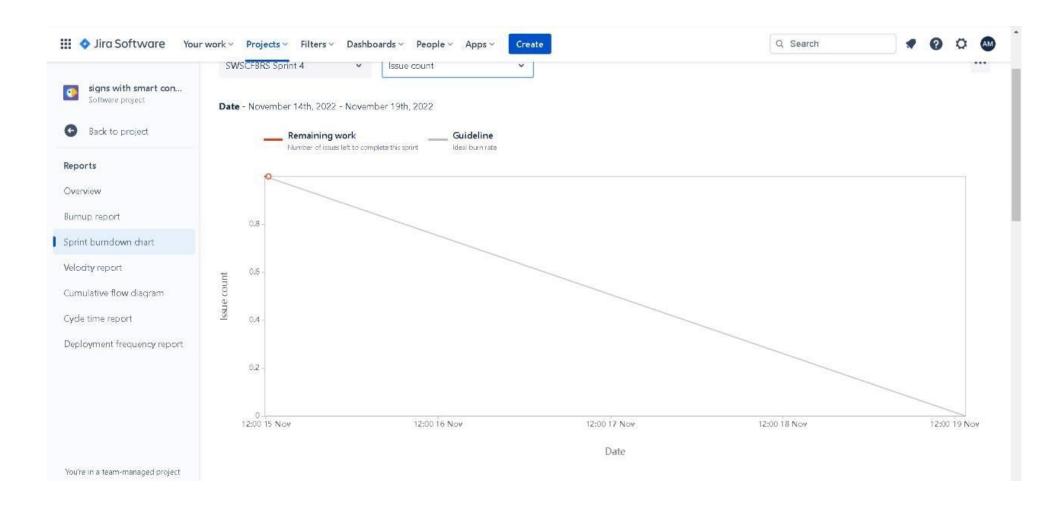**Project Tracker, Velocity & Burndown Chart: (4 Marks)**

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	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

Velocity:

Imagine we have a 10-day sprint duration, and the velocity of the team is 10 (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:

Road Map: