

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

Date	29 October 2022
Team ID	PNT2022TMID12941
Project Name	Sings with smart connectivity for better road safety
Maximum Marks	8 Marks

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

Sprint	Functional requirement	User story number	User story	Priority	Team Members
Sprint 1	Data collection	USN-1	The user collect data from array of sensors.	High	Deepak Appa Rao, Madhumitha K, Soundaryalaxmi B, Kanisha R
Sprint 1	Data processing	USN-2	The data collected is retrieved for processing.	High	Deepak Appa Rao, Madhumitha K, Soundaryalaxmi B, Kanisha R
Sprint 2	Website registration	USN-3	The user has to register an account in weather forecast website to get weather data.	High	Deepak Appa Rao, Madhumitha K, Soundaryalaxmi B, Kanisha R
Sprint 2	Data collection	USN-4	The weather data is extracted from the website using python code.	High	Deepak Appa Rao, Madhumitha K, Soundaryalaxmi B, Kanisha R
Sprint 3	Data processing	USN-5	The data collected is retrieved for processing.	High	Deepak Appa Rao, Madhumitha K, Soundaryalaxmi B, Kanisha R
Sprint 4	Data display	USN-6	Based on processed data, output signs or message will be displayed.	High	Deepak Appa Rao, Madhumitha K, Soundaryalaxmi B, Kanisha R

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	31 Oct 2022	20	04 Nov 2022
Sprint-2	20	6 Days	31 Oct 2022	07 Nov 2022	15	08 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	17 Nov 2022	10	18 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	25	19 Nov 2022

Velocity:

$$AV = \frac{\text{Sprint Duration}}{\text{Velocity}} = \frac{20 + 15 + 10 + 25}{4} = 17.5$$

Burndown Chart:

Sprint	Goal	Done	Goal velocity	Remaining
1	20	0	20	0
2	20	0	15	5
3	20	0	10	10
4	20	0	25	10

