Project Planning Phase

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

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| --- | --- |
| Date | 22 October 2022 |
| Team ID | PNT2022TMID29155 |
| Project Title | Signs With Smart Connectivity for Better Road Safety |
| Maximum Marks | 8 Marks |

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional Requirement (Epic)** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint- 1 | Resources Initialization | Create and initialize accounts in various public APIs like Open Weather API. | 1 | LOW | K.Gayathri,G.Dhivya Bharathi,  E.Shagitha banu,P.Khavya |
| Sprint- 1 | Local Server/Software Run | Write a Python program that outputs results given the inputs like weather and location. | 1 | MEDIUM | K.Gayathri, G.Dhivya Bharathi,E.Shagitha banu,P. Khavya |
| Sprint- 2 | Push the server/software to cloud | Push the code from Sprint 1 to cloud so it can be accessed from anywhere | 2 | MEDIUM | K.Gayathri, G.Dhivya Bharathi,E.Shagitha banu,P.Khavya |
| Sprint- 3 | Hardware initialization | Integrate the hardware to be able to access the cloud functions and provide inputs to the same. | 2 | HIGH | K.Gayathri, G.Dhivya Bharathi,E.Shagitha banu,P.Khavya |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sprint- 4 | UI/UX Optimization & Debugging | Optimize all the shortcomings and provide better user experience. | 2 | LOW | K.Gayathri, G.Dhivya Bharathi,E.Shagitha banu,P. Khavya |

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 | 31 Oct 2022 | 05 Nov 2022 | 20 | 02 Nov 2022 |
| Sprint- 3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 20 | 09 Nov 2022 |
| Sprint- 4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 20 | 17 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)



Burndown Chart :

