Project Planning Phase

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

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| --- | --- |
| Date | 22 October 2022 |
| Team ID | PNT2022TMID24784 |
| Project Name | Project - Signs 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 / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-1 | Resources Initialization | USN-1 | Create and initialize accounts in various public APIs like OpenWeather API. | 1 | Low | Jagadeesh.B  Aravindh.S  Abhishek.S  Karthickk.A |
| Sprint-1 | Local Server/Software Run | USN-2 | Write a Python program that outputs results given the inputs like weather and location. | 1 | Medium | Jagadeesh.B  Aravindh.S  Abhishek.S  Karthickk.A |
| Sprint-2 | Push the server/software to cloud | USN-3 | Push the code from Sprint 1 to cloud so it can be accessed from anywhere | 2 | Medium | Jagadeesh.B  Aravindh.S  Abhishek.S  Karthickk.A |
| Sprint-3 | Hardware initialization | USN-4 | Integrate the hardware to be able to access the cloud functions and provide inputs to the same. | 2 | High | Jagadeesh.B  Aravindh.S  Abhishek.S  Karthickk.A |
| Sprint-4 | UI/UX Optimization | USN-5 | Optimize all the shortcomings and provide | 2 | Medium | Jagadeesh.B |

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| **Sprint** | **Functional**  **Requirement** | **User Story**  **Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
|  | & Debugging |  | better user experience. |  |  | Aravindh.S  Karthickk.A  Abhishek.S |

# 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 | 31 Oct 2022 |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 20 | 07 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 20 | 14 Nov 2022 |

**Velocity :**

The average velocity(AV) per iteration unit (story points per day) can be defined as sprint duration by velocity (points per sprint)

( AV = Sprint duration / Velocity )

Given :

Sprint duration = 6days Velocity = 20 AV = 6 / 20 = 0.3

**AV = 0.3**

# Burndown Chart :

