**Project Planning Phase**

**Project Planning Template (Product Backlog, Sprint Planning, Stories, Storypoints)**

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| --- | --- |
| Date | 11 NOV 2022 |
| Team ID | PNT2022TMID44638 |
| Project Name | Project – Hazardous area monitoring for industrial plant powered by IOT |
| 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 Map API. | | 2 | LOW | Sathya.P  Preethiya.S  Sneha.K  Ramya.R |
| Sprint-1 | Local Server/Software Run | Write a Python program that outputs results given the inputs like weather and location. | | 1 | MEDIUM | Sathya.P  Preethiya.S  Sneha.K  Ramya.R |
| 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 | Sathya.P  Preethiya.S  Sneha.K  Ramya.R |
| Sprint-3 | Hardware initialization | Integrate the hardware to be able to access the cloud functions and provide inputs to the same | | 2 | HIGH | Sathya.P  Preethiya.S  Sneha.K  Ramya.R |
| Sprint-4 | UI/UX Optimization & Debugging | Optimize all the shortcomings and provide better user experience. | 1 | | LOW | Sathya.P  Preethiya.S  Sneha.K  Ramya.R |

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

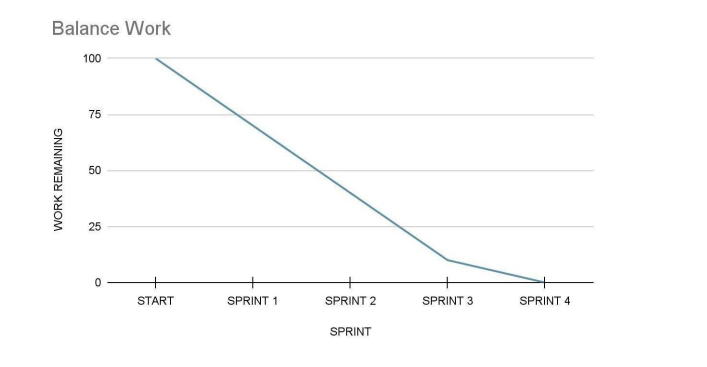
| **Sprint** | **Total Story Points** | **Duration** | **Sprint Start Date** | **Sprint End Date (Planned)** | **Story Points Completed (as on Planned End Date)** | **Sprint Release Date (Actual)** |
| --- | --- | --- | --- | --- | --- | --- |
| Sprint-1 | 20 | 6 Days | 24 Oct 2022 | 29 Oct 2022 | 20 | 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:**

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:**

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