Project Planning Phase

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

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| --- | --- |
| Date | 2 November 2022 |
| Team ID | PNT2022TMID31893 |
| Project Name | Hazardous Area monitoring in Industrial Plants powered by IOT |
| Maximum Marks | 8 Marks |

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

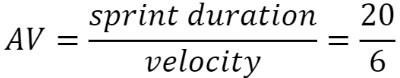
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| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-1 | Temperature monitoring | USN-1 | As a user, I need to know the temperature of the Industrial plant. | 4 | High | Dharshini,Aashikaa, Ferdina,Harini. |
| Sprint-1 | Gas Monitoring | USN-2 | As a user, I need the gas composition and/or concentration around me. | 2 | Medium | Dharshini,Aashikaa, Ferdina,Harini. |
| Sprint-1 | Fire Monitoring | USN-3 | As a user,I need to identifiy the presence of flame in the industry. | 4 | High | Dharshini,Aashikaa, Ferdina,Harini. |
| Sprint-1 | PIR Monitoring | USN-4 | As a user,I need to know about security and motion detection. | 2 | High | Dharshini,Aashikaa, Ferdina,Harini. |
| Sprint-2 | IOT dashboard interfacing | USN-5 | As a user, I must be able to view the data using internet. | 4 | High | Dharshini,Aashikaa,  Ferdina,Harini. |
| Sprint-3 | Web UI | USN-6 | As a user, I must be able to access data from a website. | 1 | Low | Dharshini,Aashikaa, Ferdina,Harini. |
| Sprint-4 | Mobile UI | USN-7 | As a user, I can view the data log in a Mobile application. | 1 | Low | Dharshini,Aashikaa, Ferdina,Harini. |

**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 | 6 |  |
| Sprint-2 | 20 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 4 |  |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 2 |  |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 2 |  |

# Velocity:

We have a 6-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:

