Project Planning Phase

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

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| Date | 08 November 2022 |
| Team ID | PNT2022TMID11446 |
| Project Name | Industry-specific intelligent fire management system |
| 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 | Registration & Login | USN-1 | I can sign up for the application as a user by providing my email address, a password, and a password confirmation. | 6 | High | Adithya SS  Ajay M  Arvind P  Dheeraj TB  Hariharan P |
| USN-2 | When I register for the application as a user, I will get a confirmation email. | 7 | High | Adithya SS  Ajay M  Arvind P  Dheeraj TB  Hariharan P |
| USN-3 | I can access the application as a user by providing my email address and password. | 7 | High | Adithya SS  Ajay M  Arvind P  Dheeraj TB  Hariharan P |
| Sprint-2 | Sensor & Actuators | USN-4 | In industry, sensor sense the fire and smoke. | 10 | Medium | Adithya SS  Ajay M  Arvind P  Dheeraj TB  Hariharan P |
| USN-5 | The next step is using a sprinkler to put out the fire if the sensor picked it up. | 10 | High | Adithya SS  Ajay M  Arvind P  Dheeraj TB  Hariharan P |
| Sprint-3 | Cloud | USN-6 | All the values are stored in the cloud database. | 20 | High | Adithya SS  Ajay M  Arvind P  Dheeraj TB  Hariharan P |
| Sprint-4 | Siren & Event management | USN-7 | If a fire is found, the employee should leave as soon as the siren or buzzer sounds. | 10 | High | Adithya SS  Ajay M  Arvind P  Dheeraj TB  Hariharan P |
| USN-8 | The proprietor and the fire department will both receive notification messages. | 10 | High | Adithya SS  Ajay M  Arvind P  Dheeraj TB  Hariharan P |

Project Tracker, Velocity : (4 Marks)

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| --- | --- | --- | --- | --- | --- | --- |
| 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 | 16 Oct 2022 | 22 Oct 2022 | 20 | 25 Oct 2022 |
| Sprint-2 | 20 | 6 Days | 24 Oct 2022 | 30 Oct 2022 | 20 | 31 Oct 2022 |
| Sprint-3 | 20 | 6 Days | 31 Oct 2022 | 6 Nov 2022 | 20 | 10 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 11 Nov 2022 | 17 Nov 2022 | 20 | 19 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)

