# Project Planning Phase

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

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|---|---|
| Date | 17 October 2022 |
| Team ID | PNT2022TMID30709 |
| Project Name | Industry-specific fire management system |
| Maximum Marks | 8 Marks |

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

Use the below template to create product backlog and sprint schedule

| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
|---|---|---|---|---|---|---|
| Sprint-1 | Registration (Mobile user) | USN-1 | As a user, I can register for the application by entering my email, password, and confirming my password. | 1 | Low | Jayashree T<br>Dheenul Rizhvana P<br>Kamali K<br>Pavithra M |
| Sprint-1 | Login (Mobile user) | USN-2 | As a user, I can log into the application by entering email & password | 3 | High | Jayashree T<br>Dheenul Rizhvana P<br>Kamali K<br>Pavithra M |
| Sprint-2 | Dashboard (Mobile user) | USN-3 | By entering correct password, I could access the dashboard. | 13 | Medium | Jayashree T<br>Dheenul Rizhvana P<br>Kamali K<br>Pavithra M |
| Sprint-3 | Alert message (Mobile user) | USN-4 | As a user, I can get alert messages regarding smoke and temperature parameters. | 13 | High | Jayashree T<br>Dheenul Rizhvana P<br>Kamali K<br>Pavithra M |

| | | | | | | |
|---|---|---|---|---|---|---|
| Sprint-4 | Data storage (Mobile user) | USN-5 | As a user, I will able to store parameter values. | 2 | High | Jayashree T<br>Dheenul Rizhvana P<br>Kamali K<br>Pavithra M |
| Sprint-4 | Checkin (Mobile & web user) | USN-6 | As a user I can Test the system performance, for an emergency case, it is deployed and I can use the system 24/7. | 8 | High | Jayashree T<br>Dheenul Rizhvana P<br>Kamali K<br>Pavithra M |
| Sprint-1 | Login (web user) | USN-7 | As a user, I can log into the application by entering email & password | 13 | High | Jayashree T<br>Dheenul Rizhvana P<br>Kamali K<br>Pavithra M |
| Sprint-1 | Dashboard (web user) | USN-8 | I could access the dashboard. | 3 | Medium | Jayashree T<br>Dheenul Rizhvana P<br>Kamali K<br>Pavithra M |
| Sprint-3 | Alert message (web user) | USN-9 | As a user, I can get alert messages regarding smoke and temperature parameters. | 5 | High | Jayashree T<br>Dheenul Rizhvana P<br>Kamali K<br>Pavithra M |
| Sprint-4 | Data Storage message (web user) | USN-10 | As a user, I will able to store parameter values. | 2 | High | Jayashree T<br>Dheenul Rizhvana P<br>Kamali K<br>Pavithra M |
| Sprint-4 | Checkin (Mobile & web user) | USN-11 | As a user, I can check whether the system correctly detects the fire and gas, and does it alerts the user, also whether the fire or smoke has been put down or not. | 8 | High | Jayashree T<br>Dheenul Rizhvana P<br>Kamali K<br>Pavithra M |

**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 | 3 Days | 6 NOV 2022 | 09 NOV 2022 | 20 | 9 NOV 2022 |
| Sprint-2 | 20 | 2 Days | 10 NOV 2022 | 12 NOV 2022 | 20 | 12 NOV 2022 |
| Sprint-3 | 20 | 2 Days | 12 NOV 2022 | 14 NOV 2022 | 20 | 14 NOV 2022 |
| Sprint-4 | 20 | 1 Days | 14 NOV 2022 | 15 NOV 2022 | 20 | 15 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)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$