Project Planning Phase

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

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| --- | --- |
| Date | 16 November 2022 |
| Team ID | PNT2022TMID34762 |
| Project Name | INDUSTRY SPECIFIC INTELLIGENT 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 | Hardware or Simulation Software | USN-1 | Making Hardware device or Using Working Connect Temperature, Flame, Gas sensor to Arduino with python script | 2 | High | Akil sashay, Arul diksha, Davin jegath sony, Sereens jerry. |
| Sprint-2 | Cloud Software | USN-2 | Create Device in the IBM Watson IOT Platform and link it to  Noad-red | 2 | High | Akil sashay, Arul diksha, Davin jegath sony, Sereens jerry. |
| Sprint-3 | MIT app invertor or Website | USN-3 | Develop a Mobile application using MIT app invertor or Web UI | 2 | High | Akil sashay, Arul diksha, Davin jegath sony, Sereens jerry. |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Sprint-4 | linking | USN-4 | Link Device, IBM cloud and the developed application | 2 | High | Akil sashay, Arul diksha, Davin jegath sony, Sereens jerry. |
| Sprint-4 | Dashboard | USN-5 | Design the Modules and Test the mobile application | 2 | High | Akil sashay, Arul diksha, Davin jegath sony, Sereens jerry. |

# 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 | 05 Nov 2022 |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 20 | 12 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 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)



# Burndown Chart:

A burndown chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.