Project Planning Phase

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

|  |  |
| --- | --- |
| Date | 05 NOVEMBER 2022 |
| Team ID | PNT2022TMID48690 |
| Project Name | Project - Hazardous Area Monitoring for Industrial Plant powered by IoT |
| 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 | Installation of Beacons(External) | USN-1 | The technician should install the smart beacon devices at vital points to increase the data sensing range | 1 | High | G.Nagavishwa |
| Sprint-2 | Cloud Setup (Cloud Sevices) | USN-2 | The smart beacons are connect with IBM cloud services for real-time data transfer | 3 | High | V.Divesh |
| Sprint-3 | Admin Dasboard Setup/ Web UI (Cloud Services) | USN-3 | The web UI is developed and deployed for connecting the user to the cloud | 3 | High | M.Dhinesh |
| Sprint-4 | Mobile and wearable device setup (Users) | USN-4 | Mobile applications are created using fast SMS API to send alert SMS message and also the watch display mechanism is developed | 5 | High | R.P.Ramvignhesh |

# 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 | 1 | 29 Oct 2022 |
| Sprint-2 | 20 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 3 | 05 Nov 2022 |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 3 | 12 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 5 | 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 burn-down chart is a graphical representation of work left to do versus time. It is often used in agile [software development](https://www.visual-paradigm.com/scrum/what-is-agile-software-development/) methodologies such as [Scrum](https://www.visual-paradigm.com/scrum/scrum-in-3-minutes/). However, burn-down charts can be applied to any project containing measurable progress over time.

<https://pnt2022tmid13542.atlassian.net/jira/software/projects/HAMFIPPBI/boards/1/backlog>

# Reference:

<https://pnt2022tmid13542.atlassian.net/jira/software/projects/HAMFIPPBI/boards/1/backlog> <https://pnt2022tmid13542.atlassian.net/jira/software/projects/HAMFIPPBI/boards/1> <https://pnt2022tmid13542.atlassian.net/jira/software/projects/HAMFIPPBI/boards/1?sprints=4%2C1> <https://pnt2022tmid13542.atlassian.net/jira/software/projects/HAMFIPPBI/boards/1?sprints=1%2C4%2C2> <https://pnt2022tmid13542.atlassian.net/jira/software/projects/HAMFIPPBI/boards/1?sprints=1%2C2%2C3>