**Project Planning Phase**

|  |  |
| --- | --- |
| Date | 2 November 2022 |
| Team ID | PNT2022TMID50609 |
| Project Name | Project – IoT Based Safety Gadget for Child safety monitoring and notification |
| 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** | **StoryPoints** | **Priority** | **Team Members** |
| Sprint-1 | Simulation creation | USN-1 | Connect Sensors and Arduino with python code | 2 | High | Selshia M  Subhashini G  Banupriya K  Sandhiya subashree M |
| Sprint-2 | Software | USN-2 | Creating device in the IBM Watson IoT platform, workflow for IoT scenarios usingNode-Red | 2 | High | Selshia M  Subhashini G  Banupriya K  Sandhiya subashree M |
| Sprint-3 | MIT App Inventor | USN-3 | Develop an application for the Smart farmerproject using MIT App Inventor | 2 | High | Selshia M  Subhashini G  Banupriya K  Sandhiya subashree M |
| Sprint-3 | Dashboard | USN-3 | Design the Modules and test the connect to data base. | 2 | High | Selshia M  Subhashini G  Banupriya K  Sandhiya subashree M |
| Sprint-4 | Web UI | USN-4 | To make the user to interact with software and find the Location | 2 | High | Selshia M  Subhashini G  Banupriya K  Sandhiya subashree M |

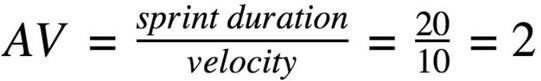
**Project Tracker, Velocity & Burndown Chart: (4 Marks)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **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 | 6 Days | 2 Nov 2022 | 2 Nov 2022 | 20 | 3 Nov022 |
| Sprint-2 | 20 | 6 Days | 4 Novt 2022 | 7 Nov 2022 | 20 | 7 Nov 2022 |
| Sprint-3 | 20 | 6 Days | 6 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 burn down chart is a graphical representation of work left to do versus time. It is often used in agile [software development m](https://www.visual-paradigm.com/scrum/what-is-agile-software-development/)ethodologies suchas [Scrum. H](https://www.visual-paradigm.com/scrum/scrum-in-3-minutes/)owever, burn down charts can be applied to any project containing measurable progress over time.

<https://www.visual-paradigm.com/scrum/scrum-burndown-chart/>

<https://www.atlassian.com/agile/tutorials/burndown-charts>

**Reference:**

<https://www.atlassian.com/agile/project-management>

<https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software>

<https://www.atlassian.com/agile/tutorials/epics>

<https://www.atlassian.com/agile/tutorials/sprints>

<https://www.atlassian.com/agile/project-management/estimation>

<https://www.atlassian.com/agile/tutorials/burndown-charts>