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| --- | --- |
| **Date** | **15.11.22** |
| **Team ID** | **PNT2022TMID48656** |
| **Project Name** | **Project – IOT based safety gadgets for child safety monitoring and notifications** |
| **Maximum Marks** | **8 Marks** |

**Project Planning Phase**

**Project Planning Template (Product Backlog, Sprint Planning, Stories, Storypoints)**

**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 | Tracking the location | USN-1 | As a user, we can monitor the child’s current location and activities by using gps. | 20 | High | S.Dhath vetha |
| Sprint  -2 | Creation of architecture | USN-2 | Sensing processing data in the cloud using a server and a database. | 20 | High | M.keerthi |
| Sprint  -2 | Creation of code | USN-3 | Calculating the location information using the retrieved information from the cloud and displaying the distance locally. | 20 | High | A.Afrin Shifana |
| Sprint  -3 | Environment creation | USN-4 | Creating a cloudant database and node red service with cloudant database.For easy access MIT app is created in MIT app inventor | 20 | High | S.Dhath vetha |
| Sprint  -4 | Connecting the services | USN-5 | Connecting the app with node red service and creating web UI interfaces. | 20 | High | P.Sneha |

**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 | 5 Days | 29 Oct 2022 | 02 Nov 2022 | 20 | 02 Nov 2022 |
| Sprint-2 | 20 | 5 Days | 02 Nov 2022 | 06 Nov 2022 | 20 | 06 Nov 2022 |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 20 | 12 Nov 2022 |
| Sprint-4 | 20 | 7 Days | 12 Nov 2022 | 18 Nov 2022 | 20 | 18 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)

**=6/13.25**

**=0.45**