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| **Project Planning Phase**  **Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)**     |  |  | | --- | --- | | Date | 27 october 2022 | | Team ID | PNT2022TMID15971 | | Project Name | 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 | USN-1 | First the Admin will be installing smart beacons at necessary places. | 15 | High | A.Vishnupriya  Devadarshini.S  D.Sujitha  Aruna . VR | | Sprint-1 | Providing Wearables | USN-1 | The Admin will be providing everyone at the Industry a wearable device. | 5 | Medium | A.Vishnupriya  Devadarshini.S  D.Sujitha  Aruna . VR | | Sprint-2 | Cloud Setup | USN-2 | The smart Beacons will connect with the cloud services. Where we can get the realtime data from the wearable | 20 | High | A.Vishnupriya  Devadarshini.S  D.Sujitha  Aruna . VR \ | | Sprint-3 | Online Monitoring via Web | USN-3 | Websites will be created and connected with the cloud services. | 20 | High | A.Vishnupriya  Devadarshini.S  D.Sujitha  Aruna . VR | | Sprint-4 | Monitoring via Mobile | USN-4 | Mobile Application will be created and fast sms will be used to alert abnormality to the user. | 20 | High | A.Vishnupriya  Devadarshini.S  D.Sujitha  Aruna . VR | |
| **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 | 28 Oct 2022 |  | 29 Oct 2022 | | Sprint-2 | 20 | 6 Days | 31 Oct 2022 | 04 Nov 2022 |  | 05 Nov 2022 | | Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 11 Nov 2022 |  | 12 Nov 2022 | | Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 18 Nov 2022 |  | 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) |