**Project Planning Phase**

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

**Story points)**

|  |  |
| --- | --- |
| Date | 27 October 2022 |
| Team ID | PNT2022TMID48851 |
| Project Name | Real time river water monitering and control 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 | User interface | USN-1 | As a user, open the web page by opening the html file. | 2 | High | M.Indhumathi  S.Karthika  M.Sharmila  K.Nithya dharshini |
| Sprint-1 |  | USN-2 | The home page will open. | 1 | High | M.Indhumathi  S.Karthika  M.Sharmila  K.Nithya dharshini |
| Sprint-2 |  | USN-3 | As a user, click on the introduction button. | 2 | Low | M.Indhumathi  S.Karthika  M.Sharmila  K.Nithya dharshini |
| Sprint-1 |  | USN-4 | As a user, click on the launch button. | 2 | Medium | M.Indhumathi  S.Karthika  M.Sharmila  K.Nithya dharshini |
| Sprint-1 | Upload the image | USN-5 | As a user, click on the upload button to upload the image. | 1 | High | **M.Indhumathi**  **S.Karthika**  **M.Sharmila**  **K.Nithya dharshini** |
|  | Open the image | USN-6 | The image will open and the camera will automatically turn on to capture the hand gesture actions. | 2 | High | **N.JAWHAR**  **RIFFATH**  **V.JEYA SR**  **P.JOVIKA**  **S.REETHA**  **A.RAMYADEVI** |

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



|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Total Story Points** | **Durati on** | **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 |  |  |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 |  |  |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 |  |  |
|  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |

**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)