**Project Planning Phase**

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

|  |  |
| --- | --- |
| Date | 23 October 2022 |
| Team ID | PNT2022TMID35953 |
| Project Name | Project - A Gesture-based Tool for Sterile Browsing of Radiology Images |
| 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** | **Priority** | **Team Members** |
| --- | --- | --- | --- | --- | --- |
| Sprint-1 | Registration | USN-1 | As a user, I can register for the application by entering my email, password, and confirming my password. | High | Amirtha Varshni, Mowleeshverar |
|  |  | USN-2 | As a user, I will receive confirmation email once I have registered for the application | High | Abitha, Shrijhaa |
|  |  | USN-3 | As a user, I can register for the application through Facebook | Low | Amirtha Varshni, Uvashree |
|  |  | USN-4 | As a user, I can register for the application through Gmail | Medium | Abitha, Uvashree |
| Sprint 2 | Login | USN-5 | As a user, I can log into the application by entering email & password | High | Shrijhaa, Mowleeshverar |
|  | Dashboard | USN-6 | As a user, I can view my profile and update my details | Medium | Amirtha Varshni, Mowleeshverar |
|  |  | USN-7 | As a user, I can view all images uploaded | High | Abitha, Shrijhaa |
|  |  | USN-8 | As a user, I can change my password | High | Uvashree, Amirtha Varshni |
| Sprint-3 | Image Capturing | USN-9 | As a user, I can capture images of hand gestures made by me | High | Amirtha Varshni, Uvashree |
|  | Image Processing | USN-10 | In the application, the captured images are processed to identify the hand gesture | High | Shrijhaa, Abitha |
|  | Data Storage | USN-11 | In the application radiology images uploaded by the user are stored using a database | High | Amirtha Varshni, Mowleeshverar |
| Sprint-4 | Sterile Browsing | USN-12 | Depending on the different gesture inputs different operations are performed on the input image | High | Amirtha Varshni, Abitha |
|  | Displaying the operations performed | USN-13 | Once the model analyses the gesture, the prediction with operation applied on the image is showcased on the user interface | High | Shrijhaa, Mowleeshverar,Uvashree |

**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 | 20 | 29 Oct 2022 |
| Sprint-2 | 20 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 20 | 05 Nov 2022 |
| Sprint-3 | 20 | 6 Days | 07 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)

