**Project Planning Phase**

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

|  |  |
| --- | --- |
| Date | 22 October 2022 |
| Team ID | PNT2022TMID37038 |
| 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** | **Story Points** | **Priority** | **Team Members** |
| Sprint-1 | Preprocessing | USN-1 | As a user, I can upload any kind of image with the pre-processing step is involved in it. | 15 | High | MANJUPRIYA.P  SOWMIYA.J  SHOBIAH.A |
| Sprint-1 |  | USN-2 | As a user, I can upload the image in any resolution. | 5 | Low | MANJUPRIYA.P  SOWMIYA.J  SHOBIAH.A |
| Sprint-2 | Model | USN-3 | As a user, I will get a application with ML model which provides high accuracy of recognized Hand gesture | 10 | Medium | MANJUPRIYA.P  SOWMIYA.J  JAYA PRAKASH.J |
| Sprint-2 |  | USN-4 | As a user, I can pass the hand Gesture for recognizing the Radiology images. | 10 | Medium | MANJUPRIYA.P  SOWMIYA.J  JAYA PRAKASH.J |
| **Sprint** | **Functional Requirement (Epic)** | **User**  **Story**  **Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-3 | User Interface | USN-5 | As a user, I will upload the Radiology image to the application by clicking a upload button. | 15 | High | MANJUPRIYA.P  SHOBIAH.A  DEEPAKKUMAR.S |
| Sprint-3 |  | USN-6 | As a user, I can know the details of the fundamental usage of the application. | 5 | Low | MANJUPRIYA.P  SHOBIAH.A  DEEPAKKUMAR.S |
| Sprint-4 | Cloud Deployment | USN-7 | As a user, I can see the manipulated image on the screen with respect to the gesture performed and cloud Deployment | 15 | High | MANJUPRIYA.P  SOWMIYA.J  JAYA PRAKASH.J  SHOBIAH.A  DEEPAKKUMAR.S |
| Sprint-4 |  | USN-8 | As a user, I can access the web application and make the use of the product from anywhere | 5 | Low | MANJUPRIYA.P  SOWMIYA.J  JAYA PRAKASH.J  SHOBIAH.A  DEEPAKKUMAR.S |

**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 6-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)

# AV = Sprint Duration/Velocity = 20/6 = 3.33