**Project Planning Phase**

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

|  |  |
| --- | --- |
| Date | 02 November 2023 |
| Team ID | Team-592107 |
| Project Name | Project - AI Enable car parking using OpenCV |
| 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 | Registration | USN-1 | As a user, I can register for the application by entering my email, password, and confirming my password. | 2 | High | Niranjan N V |
| Sprint-1 |  | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 1 | High | Soorya Narayanan D R |
| Sprint-2 |  | USN-3 | As a user, I can register for the application through Facebook | 2 | Low | Midhun M Nair |
| Sprint-1 |  | USN-4 | As a user, I can register for the application through Gmail | 2 | Medium | Akhil Das K |
| Sprint-1 | Login | USN-5 | As a user, I can log into the application by entering email & password | 1 | High | Soorya Narayanan  D R |
|  | Dashboard | USN-6 | As a user now I can access the application for booking a parking slot |  | High | Midhun M Nair |
|  |  | USN-7 | User is needed to fill out the vehicle details |  | High | Akhil Das K |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | USN-8 | At the time of parking the timings are noted of entry and exit |  | High | Niranjan N V |
|  |  | USN-9 | Cost details for the parking according to the timings are provided in the dashboard |  | High | Soorya Narayanan  D R |
|  |  | USN-10 | According to the tariff the rates are calculated upon the exit of the vehicle |  | High | Midhun M Nair |
|  |  | USN-11 | Payment options are displayed in the user account section |  | High | Akhil Das K |
|  |  | USN-12 | Upon successful payment the due is cleared and is ready for go |  | High | Soorya Narayanan  D R |

**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 | 10 | 4 Days | 15 Oct 2023 | 18 Oct 2023 | 10 | 18 Oct 2023 |
| Sprint-2 | 10 | 4 Days | 20 Oct 2023 | 23 Oct 2023 | 10 | 23 Oct 2023 |
| Sprint-3 | 05 | 3 Days | 25 Nov 2023 | 27 Oct 2023 | 05 | 02 Nov 2023 |
| Sprint-4 | 15 | 7 Days | 29 Nov 2023 | 06 Nov 2023 | 15 | 06 Nov 2023 |
| Sprint-5 | 15 | 3 Days | 07 Nov 2023 | 09 Nov 2023 | 15 | 09 Nov 2023 |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

**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)



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