Project Planning Phase

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

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| --- | --- |
| Date | 05 November 2022 |
| Team ID | PNT2022TMID24781 |
| Project Name | Smart Solutions for Railways |
| Maximum Marks | 8 Marks |

# Product Backlog, Sprint Schedule, and Estimation(4Marks)

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 | 15 | High | Indhuja S  Sugasri R  Muthulakshmi M  Prathiksha B |
| Sprint-1 | Reservation & confirmation | USN-2 | As a passenger, I can book my tickets and confirm the reservation through receiving mail or sms | 5 | Medium | Indhuja S  Sugasri R  Muthulakshmi M  Prathiksha B |
| Sprint-2 | Payment | USN-3 | As a passenger, I want to pay my ticket cost in online payment | 15 | High | Indhuja S  Sugasri R  Muthulakshmi M  Prathiksha B |
| Sprint-3 | Service Provider | USN-4 | The user can clear their doubts by connecting to the service provider | 5 | Medium | Indhuja S  Sugasri R  Muthulakshmi M  Prathiksha B |
| Sprint-3 | Service Provider  (Admin) | USN-5 | Timings and status of the train, which will be updated in the database | 10 | Medium | Indhuja S  Sugasri R  Muthulakshmi M Prathiksha B |

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| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional Requirement(Epic)** | **User Story Number** | **User Story/Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-4 | Verifying Tickets | USN-6 | As a TC, I want to check the users whether he/she have tickets or not with scanning the QR Code | 15 | High | Indhuja S  Sugasri R  Muthulakshmi M  Prathiksha B |
| Sprint-4 | Raise compliant | USN-7 | As a user, I should able to raise a ticket if something is wrong | 10 | Medium | Indhuja S  Sugasri R  Muthulakshmi M  Prathiksha B |

# Project Tracker, Velocity &Burn down Chart: (4 Marks)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Total Story Points** | **Duration** | **Sprint StartDate** | **Sprint End Date (Planned)** | **Story Points Completed (as on Planned End Date)** | **Sprint Release Date (Actual)** |
| Sprint-1 | 20 | 5Days | 24Oct2022 | 29Oct2022 | 20 | 29Oct2022 |
| Sprint-2 | 20 | 5Days | 31Oct2022 | 05Nov2022 | 20 | 05Nov2022 |
| Sprint-3 | 20 | 5Days | 07Nov2022 | 12Nov2022 | 20 | 12Nov2022 |
| Sprint-4 | 20 | 5Days | 14Nov2022 | 19Nov2022 | 20 | 19Nov2022 |

**Velocity:**

We have a 5 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 = 20/5 = 4**