**Project Planning Phase**

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

|  |  |
| --- | --- |
| Date | 09 NOVEMBER 2022 |
| Team ID | PNT2022TMID36774 |
| Project Name | Smart Solutions For Railways |
| 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 through the form by Filling in my details | 2 | High | sneha |
| Sprint-1 |  | USN-2 | As a user, I can register through phone numbers, Gmail, Facebook or other social sites | 1 | High | sakthi |
| Sprint-1 | Conformation | USN-3 | As a user, I will receive confirmation through email or OTP once registration is successful | 2 | Low | oviya |
| Sprint-1 | login | USN-4 | As a user, I can login via login id and password or through OTP received on register phone number | 2 | Medium | banupriya |
| Sprint-1 | Display Train details | USN-5 | As a user, I can enter the start and destination to get the list of trains available connecting the above | 1 | High | sneha |
| Sprint-2 | Booking | USN-6 | As a use, I can provide the basic details such as a name, age, gender etc… | 2 | High | sakthi |
| Sprint-2 |  | USN-7 | As a user, I can choose the class, seat/berth. If a preferred seat/berth isn’t available I can be allocated based on the availability | 1 | Low | oviya |
| Sprint-2 | Payment | USN-8 | As a user, I can choose to pay through credit Card/debit card/UPI. | 1 | High | banupriya |
| **Sprint** | **Functional**  **Requirement (Epic)** | **User Story**  **Number** | **User Story / Task** | **Story Points** | **Priority** | **Team**  **Members** |
| Sprint-2 |  | USN-9 | As a user, I will be redirected to the selected | 2 | High | sneha |
| Sprint-3 | Ticket generation | USN-10 | As a user, I can download the generated eticket for my journey along with the QR code which is used for authentication during my journey. | 1 | High | Sakthi |
| Sprint-3 | Ticket status | USN-11 | As a user, I can see the status of my ticket Whether it’s confirmed/waiting/RAC. | 2 | High | Oviya |
| Sprint-3 | Remainders notification | USN-12 | As a user, I get remainders about my journey A day before my actual journey. | 1 | High | banupriya |
| Sprint-3 | Ticket cancellation | USN-13 | As a user, I can track the train using GPS and can get information such as ETA, Current stop and delay | 2 | High | Sneha |
| Sprint-4 |  | USN-14 | As a user, I can cancel my tickets if there’s any Change of plan | 1 | High | Sakthi |
| Sprint-4 | Raise queries | USN-15 | As a user, I can raise queries through the query box or via mail. | 2 | Medium | Oviya |
| Sprint-4 | Answer the queries | USN-16 | As a user, I will answer the questions/doubts Raised by the customers. | 2 | High | banupriya |
| Sprint-4 | Feed details | USN-17 | As a user, I will feed information about the trains delays and add extra seats if a new compartment is added. | 1 | High | sneha |

**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 | 5 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)

