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

| Date | 18 October 2022 |
|---|---|
| Team ID | PNT2022TMID35476 |
| 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 for the application by entering my email, password, and confirming my password. | 3 | High | Karthikeyan, Arjun |
| Sprint-1 | Registration | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 4 | High | Preethaa, Sriram |
| Sprint-1 | Registration | USN-3 | As a user, I can register for the application through Gmail | 3 | Low | Preethaa, Sriram |
| Sprint-2 | Dashboard | USN-4 | As a user, I can search for trains with my choice of place of departure and place of arrival | 2 | High | Arjun, Sriram |
| Sprint-2 | Dashboard | USN-5 | As as user, I can select my choice of train based on a given date and availability | 3 | High | Karthikeyan, Arjun |
| Sprint-3 | Uploads | USN-6 | As a user, I can upload the required documents once and use them for all subsequent booking | 4 | High | Preethaa, Sriram |
| Sprint-4 | Payment | USN-7 | As a user, I can pay for the ticket after selecting it | 1 | High | Karthikeyan, Arjun |
| Sprint-2 | Dashboard | USN-8 | As a user, I can view my train status and updates in real-time. | 3 | Medium | Karthikeyan, Preethaa |
| Sprint-3 | Feedback | USN-9 | As a user, I can raise immediate grievances during travel | 4 | High | Preethaa, Sriram |
| Sprint-4 | Amenities | USN-10 | As a user, I can order food and other basic amenities which will be available at certain train stations | 1 | Medium | Karthikeyan, Arjun |

| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
|---|---|---|---|---|---|---|
| Sprint-3 | Feedback | USN-11 | As a user, I can share feedback about my journey | 1 | Low | Karthikeyan, Preethaa |
| Sprint-4 | Checking | USN-12 | As a user, I can check if the passenger has actually paid for the ticket and if he is in the right seat | 2 | High | Preethaa, Sriram |
| Sprint-4 | Checking | USN-13 | As a user, I can check the passenger documents without them having to bring it with them | 3 | Medium | Arjun, Sriram |
| Sprint-4 | Emergencies | USN-14 | As a user, I can have immediate contact to the police, the driver and nearest hospitals | 4 | High | Karthikeyan, Preethaa |

## 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 | 6 Days | 24 Oct 2022 | 29 Oct 2022 | 10 | 29 Oct 2022 |
| Sprint-2 | 8 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | NA | NA |
| Sprint-3 | 9 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | NA | NA |
| Sprint-4 | 11 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | NA | NA |

**Velocity:**
Cannot be computed until sprints are complete.


**Burndown Chart:**

Cannot be visualised until the sprints are complete. Chart will be published while submitting final deliverables. Attaching proof of scrum board.