**Project Planning Phase**

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

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| --- | --- |
| **Date** | **29 October 2022** |
| **Team ID** | **PNT2022TMID47588** |
| **Project Name** | **Smart Solution for Railways** |
| **Maximum Marks** | **8 Marks** |

**Product Backlog, Sprint Schedule, and Estimation**

| **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. | 8 | High | A.Swathi,  S.Megha,  R.Saranya  R.Gomathi |
| Sprint-1 | Login | USN-1 | As a user, I can log into the application by entering email & password | 4 | High | A.Swathi,  S.Megha  R.Saranya  R.Gomathi |
| Sprint-1 | Data visualization | USN-2 | As a user, I can register for the application through GMAIL | 3 | Medium | A.Swathi,  S.Megha,  R.Saranya  ,R.Gomathi |
| Sprint-1 | Login | USN-3 | As a user, I will receive confirmation email once I have registered for the application | 5 | High | A.Swathi  S.Megha  R.Gomathi  R.Saranya |
| Sprint-2 | User  Interface | USN-4 | As a user, can register for the application through our website | 13 | High | R.Gomathi  A.Swathi |
| Sprint-2 | Ticket booking | USN-5 | User can select the train and booking the ticket and user can select the available seat | 7 | High | R.Gomathi  A.Swathi |
| Sprint-3 | QR code | USN-6 | QR code generating and Details will be collecting | 5 | Medium | R.Gomathi  S.Megha |
| Sprint-3 | Locating | USN-7 | GPS tracker Location is tracke | 7 | High | R.Gomathi  R.Saranya |
| Sprint-3 | Confirmation | USN-8 | QR code is generate to user details will be checked Ticket has been confirmed | 8 | High | R.Gomathi  R.Saranya |
| Sprint-4 | Payment | USN-9 | Complete payment information, cash on online transaction, credit card payment information, then continue by cash | 7 | High | R.Gomathi  R.Saranya |
| Sprint-4 | Payment confirmation | USN-10 | Complete successfully payment conform | 7 | High | R.Gomathi  R.Saranya |
| Sprint-4 | Booking cancel | USN-11 | User can cancel the ticket | 6 | Medium | R.Gomathi  R.Saranya |

**Project Tracker, Velocity & Burndown Chart:**

| **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 | 30 Oct 2022 | 20 | 29 Oct 2022 |
| Sprint-2 | 20 | 6 Days | 31 Oct 2022 | 07 Nov 2022 | 20 | 05 Nov 2022 |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 14 Nov 2022 | 20 | 12 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 20 | 19 Nov 2022 |

**Velocity:**

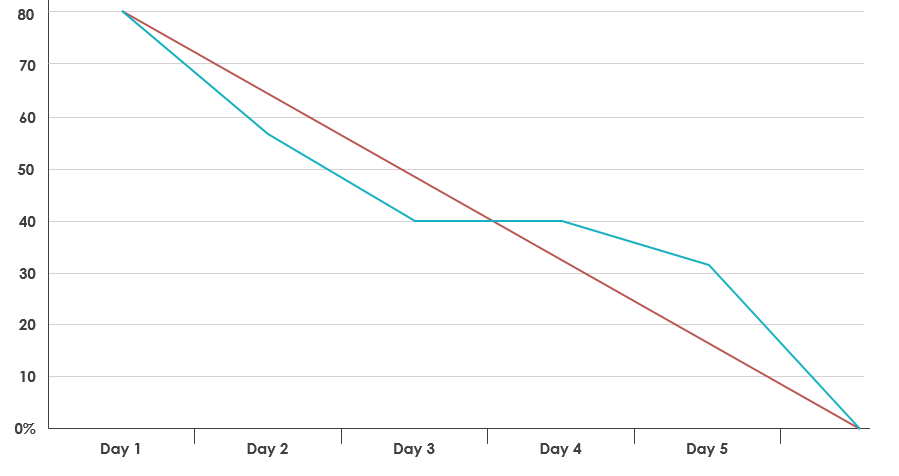
AV for Sprint 1= Sprint Duration /velocity =20/5=4

AV for Sprint 2= Sprint Duration/Velocity=20/5=4

AV for Sprint 3=Sprint Duration/Velocity=20/5=4

AV for Sprint 4=Sprint Duration/Velocity=20/5=4

**Burndown Chart:**

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