|  |  |
| --- | --- |
| **DATE** | 23 October 2022 |
| **TEAM ID** | PNT2022TMID40456 |
| **PROJECT NAME** | SMART SOLUTIONS FOR RAILWAYS |

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

Use the below template to create product backlog and sprint schedule

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional requirements(epic)** |  | **User story /task** | **Story points** | **Priority** | **Team Members** |
| Sprint-1 | Registration | USN-1 | A user can register through the website | 2 | High |  |
| Sprint-1 | Confirmation | USN-2 | Confirmation message is received through email or otp through phone | 1 | High | Indhumathi |
| Sprint-2 | booking | USN-3 | A user can book their seat through the web | 2 | Low | Gopika |
| Sprint-2 | Confirmation | USN-4 | A QR code is generated and send through the user | 2 | Medium |  |
| Sprint-3 | verification | USN-5 | A ticket collector is verified  Through the QR code | 1 | High | Shanmugapriya |
| Sprint -4 | Location tracking | USN-6 | A Gps location of the train is show in the web | 2 | high | Pavithra |

**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 Data(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 | 05 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 | 14 Nov 2022 | 20 | 19 Nov 2022 |

**Velocity:** Imagine we have a 6 -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 = 20/06 = 3.333***