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| **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

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| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional requirements(epic)** |  | **User story /task** | **Story points** | **Priority** | **Team Members** |
| Sprint-1 | Registration | USN-1 | As a User ,I can register the form by filling ,my details. | 2 | High | Pavithra |
| Sprint-1 |  | USN-2 | As a User, I can register the form using phone number through Gmail ,Facebook or other sites | 1 | High | Indhumathi |
| Sprint-1 | Confirmation | USN-3 | As a user ,I will receive confirmation through Email or OTP ,Registration is successful | 2 | Low | Gopika |
| Sprint-1 | Login | USN-4 | As a User , I can login via login ID or OTP received on registered phone number | 2 | Medium | Shanmugapriya |
| Sprint-1 | Displaying details of Train | USN-5 | As a Use r,I can enter the arrival and destination, to get the list of trains Available | 1 | High | Gopika |
| Sprint -2 | Ticket Booking | USN-6 | As a User,I can provide my basic details such as my Name,age,Gender etc.. | 2 | high | Pavithra |
| Sprint -2 |  | USN-7 | As a user, I can choose the class, seat. If a preferred seat isn’t available, I can be allocated based on the availability of seats | 1 | low | Indhumathi |
| Sprint -2 | Payment details | USN-8 | As a user, I can choose to pay through credit Card/debit card/UPI. | 1 | High | Shanmugapriya |

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| **Sprint** | **Functional Requirements (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 |  |
| Sprint-3 | Ticket generator | USN-10 | As a user, I can download the generated e-ticket for journey along with the QR code . | 1 | High | Indhumathi |
| Sprint-3 | Status of ticket | USN-11 | As a user, I can see the ticket status, Whether it’s confirmed or  waiting. | 2 | High | Shanmugapriya |
| Sprint-3 | Notification remainder | USN-12 | As a user, I get remainders about my journey ,a day before my actual journey. | 1 | High | Gopika |
| Sprint-3 | Location of train | USN-13 | As a user, I can track the train using GPS and can get location of train such as ETA, Current stop | 2 | High | Pavithra |
| Sprint-4 | Cancellation | USN-14 | As a user, I can cancel my tickets if there’s any changing in my plan. | 1 | High | Shanmugapriya |
| Sprint-4 | Raise Queries | USN-15 | As a user ,I can raise any queries through query box and it will be cleared | 2 | Medium | Indhumathi |
| Sprint-4 | Answer queries | USN-16 | As a User,I will answer the questions/doubts raised by the people | 2 | High | Gopika |
| Sprint-4 | Feed details | USN-17 | As a user , I will feed information about the delays of train and add seats for new compartment is added | 1 | High | Pavithra |

**Project Tracker, Velocity & Burndown Chart: (4 Marks)**

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| --- | --- | --- | --- | --- | --- | --- |
| **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***