

Project Planning Phase

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

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|----------------------|------------------------------|
| Date | 06 November 2022 |
| Team ID | PNT2022TMID25832 |
| Project Name | Smart Solutions for Railways |
| Maximum Marks | 8 Marks |

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

| <i>Sprint</i> | <i>Functional Requirement (Epic)</i> | <i>User Story Number</i> | <i>User Story / Task</i> | <i>Story Points</i> | <i>Priority</i> | <i>Team Members</i> |
|-----------------|---------------------------------------|--------------------------|---|---------------------|-----------------|--|
| <i>Sprint-1</i> | <i>Registration</i> | USN-1 | As a Passenger, I can register for the application by entering my email, password, and confirming my password. | 7 | High | KISHORE KUMAR R |
| <i>Sprint-1</i> | | USN-2 | As a Passenger, I will receive confirmation email once I have registered for the application | 7 | High | KARTHICK ARAVIND E T |
| <i>Sprint-1</i> | <i>Login</i> | USN-3 | As a Passenger, I can log into the application by entering email & password | 6 | High | KISHORE KUMAR R , DINESH S |
| <i>Sprint-2</i> | <i>Books Ticket</i> | USN-4 | I can select the Train and the train route to be travelled. | 4 | Medium | KARTHICK ARAVIND E T , DINESH S |
| <i>Sprint-2</i> | | USN-5 | I provide the basic details such as name, age, mobile number, etc. | 6 | High | KISHORE KUMAR R , DINESH KUMAR M |
| <i>Sprint-2</i> | <i>Selecting the Seat</i> | USN-6 | After providing the basic information, I can select the desired seat I wanted if it is in available state. | 4 | Medium | DINESH KUMAR M , DINESH S |
| <i>Sprint-2</i> | <i>QR Code Generation</i> | USN-7 | At last the QR Code is generated which contains the unique id through which the passenger information can be retrieved. | 6 | High | KARTHICK ARAVIND E T , DINESH KUMAR M |
| <i>Sprint-4</i> | <i>Tracking the location of Train</i> | USN-8 | As a Passenger, I can track the exact current location of the train. | 13 | Medium | KISHORE KUMAR R , KARTHICK ARAVIND E T , DINESH S , DINESH KUMAR M |
| <i>Sprint-3</i> | <i>Login</i> | USN-9 | As a Administrator, I can log into the application by entering email & password | 6 | Medium | KARTHICK ARAVIND E T , DINESH S , DINESH KUMAR M |
| <i>Sprint-4</i> | <i>Cancel the Booking</i> | USN-10 | As a Administrator, I can Cancel the Ticket if the information of the passenger is inappropriate. | 7 | Low | KISHORE KUMAR R, KARTHICK ARAVIND E T , |

| | | | | | | |
|-----------------|-----------------------------------|--------|--|---|------|--|
| | | | | | | DINESH S , DINESH KUMAR M |
| <i>Sprint-3</i> | <i>TTR Verifies the Passenger</i> | USN-11 | As a Ticket Checker, I can scan the QR Code shown by the passenger. | 7 | High | KISHORE KUMAR R , KARTHICK ARAVIND E T DINESH KUMAR M |
| <i>Sprint-3</i> | | USN-12 | As a Ticket Checker, I can verify the passenger using the information that displayed after scanning the QR Code. | 7 | High | KISHORE KUMAR R , KARTHICK ARAVIND E T DINESH S, DINESH KUMAR M |

| <i>Sprint</i> | <i>Total Story Points</i> | <i>Duration</i> | <i>Sprint Start Date</i> | <i>Sprint End Date (Planned)</i> | <i>Story Points Completed (as on Planned End Date)</i> | <i>Sprint Release Date (Actual)</i> |
|-----------------|---------------------------|-----------------|--------------------------|----------------------------------|--|-------------------------------------|
| <i>Sprint-1</i> | 20 | 6 Days | 24 Oct 2022 | 29 Oct 2022 | 20 | 30Oct 2022 |
| <i>Sprint-2</i> | 20 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 20 | 06 Nov 2022 |
| <i>Sprint-3</i> | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 20 | 13 Nov 2022 |
| <i>Sprint-4</i> | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 20 | 20 Nov 2022 |

Project Tracker, Velocity & Burn down Chart: (4 Marks)

Burndown Chart:

Final Dataset:

| Sprint | Points | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Total |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 1 | 20 | 7 | | 7 | | 6 | | 20 |
| 2 | 20 | 6 | | 4 | 6 | | 4 | 20 |
| 3 | 20 | 6 | | 7 | | 7 | | 20 |
| 4 | 20 | | 7 | | 13 | | | 20 |

Roadmap Chart:



