**Project Planning Phase**

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

|  |  |
| --- | --- |
| Date | 10/11/22 |
| Team ID | PNT2022TMID44536 |
| Project Name | Project - Signs with Smart Connectivity for Better Road Safety |
| 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 / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-1 | Resources Initialization | Create and initialize accounts in various public APIs like Open Weather API. | 1 | LOW | S.Sushmitha,  B.Devadharshini,  S.Dhasamalika,  M.Sridevi |
| Sprint-1 | Local Server/Software Run | Write a Python program that outputs results given the inputs like weather and location. | 1 | MEDIUM | S.Sushmitha,  B.Devadharshini,  S.Dhasamalika,  M.Sridevi |
| Sprint-2 | Push the server/software to cloud | Push the code from Sprint 1 to cloud so it can be accessed from anywhere | 2 | MEDIUM | S.Sushmitha,  B.Devadharshini,  S.Dhasamalika,  M.Sridevi |
| Sprint-3 | Hardware initialization | Integrate the hardware to be able to access the cloud functions and provide inputs to the same. | 2 | HIGH | S.Sushmitha,  B.Devadharshini,  S.Dhasamalika,  M.Sridevi |
| Sprint-4 | UI/UX Optimization &  Debugging | Optimize all the shortcomings and provide better  user experience. | 2 | LOW | S.Sushmitha,  B.Devadharshini,  S.Dhasamalika,  M.Sridevi |

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 | 20 | 4 Days | 29 Oct 2022 | 01 Nov 2022 | 20 | 01 Nov 2022 |
| Sprint-2 | 20 | 3 Days | 01 Nov 2022 | 03 Nov 2022 | 20 | 03 Nov 2022 |
| Sprint-3 | 20 | 7 Days | 04 Nov 2022 | 10 Nov 2022 | 20 | 10 Nov 2022 |
| Sprint-4 | 20 | 7 Days | 11 Nov 2022 | 17 Nov 2022 | 20 | 17 Nov 2022 |

**Burndown Chart**

Balance Work

# 100

75

WORK REMAINING

50

25

0

START SPRINT1 SPRINT2 SPRINT3 SPRINT4

