

Project Planning Phase

| | |
|---------------|--|
| Team ID | PNT2022TMID52636 |
| Project Name | Signs with Smart Connectivity for Better Road Safety |
| Maximum Marks | 8 Marks |

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

| Sprint | Functional Requirement (Epic) | User Story / Task | Story Points | Priority | Team Members |
|----------|--------------------------------|--|--------------|----------|--|
| Sprint-1 | Initialization of Resources | Create and initialize accounts in various public APIs like Open Weather API. | 1 | Low | Charu Nethra Jayant Gupta Manu Tomson Nihil Praveen |
| Sprint-1 | Local Run | Write a Python program that outputs results for Open weather API and WOKWI for IoT. | 1 | High | Charu Nethra Jayant Gupta Manu Tomson Nihil Praveen |
| Sprint-2 | Push the data to cloud | Push the code and data from Sprint 1 to cloud so it can be accessed from anywhere | 2 | Medium | Charu Nethra Jayant Gupta Manu Tomson Nihil Praveen |
| Sprint-3 | Function Design | The data from the cloud is taken and thresholds are set and processing is done in Node Red | 2 | High | Charu Nethra Jayant Gupta Manu Tomson Nihil Praveen |
| Sprint-4 | UI/UX Optimization & Debugging | Develop UI for displaying the data and also upload and display on smart signs. | 2 | High | Charu Nethra Jayant Gupta Manu Tomson Nihil Praveen |

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 | 6 Days | 24 Oct 2022 | 29 Oct 2022 | 20 | 29 Oct 2022 |
| Sprint-2 | 20 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 20 | 31 Oct 2022 |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 20 | 07 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 20 | 14 Nov 2022 |