

# Project Planning Phase

## Sprint Delivery Plan

Team ID	PNT2022TMID38240
Batch	B3-3M5E
Project Name	Project-Signs with Smart Connectivity For Better Road Safety

### Product Backlog, Sprint Schedule and Estimation

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story/Task	Story Points	Priority
Sprint-1	Intializing the Resources	Create an account in Open Weather API	1	LOW
Sprint-1	Code in Software is written	Write a python script using the inputs given from OpenWeather API	2	MEDIUM
Sprint-2	Sending the software to cloud	The python code from sprint 1 should be sent to cloud so that it is easily accessible	1	MEDIUM
Sprint-3	Initialising the connection between hardware and cloud	The hardware should be intergrated for the easy access of the cloud functions	2	HIGH
Sprint-4	User input-output optimisation and error identification and rectification	Rectify all the shortcomings/errors and initiate the optimisation for better	3	HIGH

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

Sprint	Total Story	Duration	Story Points
Sprint-1	20	6days	20
Sprint-2	20	6days	20
Sprint-3	20	6days	20
Sprint-4	20	6days	20

#### Velocity :

The average velocity(AV) per iteration unit (story points per day) can be defined as sprint duration by velocity (points per sprint)

$$AV = \text{Sprint duration} / \text{Velocity}$$

**Given:**

Sprint duration= 6days

Velocity= 20

$$\begin{aligned} AV &= 6/20 \\ &= 0.3 \end{aligned}$$

$AV = 0.3$

Burndown chart:

