

## Project Planning Phase

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

Date	01 November 2023
Team ID	Team-592995
Project Name	ConstructGuard_YOLO-Based Safety Gear Surveillance
Maximum Marks	8 Marks

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

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Upload Surveillance	USN-1	As a user, I can upload the live surveillance footage of the construction site through the web application	10	High	Jotiraditya and Ishan
Sprint-1	Receive Analyzed footage	USN-2	As a user, I should be able to receive the analyzed footage that explicitly indicates whether the workers are appropriately equipped with safety gear or not	10	High	Jotiraditya and Ishan
Sprint-2	Optimized version of YOLO	USN-3	The object detection should be faster to process video better	5	Medium	Jotiraditya
Sprint-2	Visually informing the presence or absence of safety-gear	USN-4	As a user, I can register for the application through Gmail	5	Medium	Ishan

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

<b>Sprint</b>	<b>Total Story Points</b>	<b>Duration</b>	<b>Sprint Start Date</b>	<b>Sprint End Date (Planned)</b>	<b>Story Points Completed (as on Planned End Date)</b>	<b>Sprint Release Date (Actual)</b>
Sprint-1	20	12 Days	18 Oct 2023	30 Oct 2023	20	1 Nov 2023
Sprint-2	10	8 Days	31 Oct 2023	08 Nov 2023	10	9 Nov 2023

**Velocity:**

$$AV = (\text{Sprint Duration})/(\text{Velocity}) = 30/20 = 1.5$$

**Burndown Chart:**

