

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

Date	04 November 2022
Team ID	PNT2022TMID18864
Project Name	Virtualeye-Lifeguard for swimming pools to detect active drowning
Maximum Marks	4 Marks

**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	6 Days	24 Oct 2022	29 Oct 2022	18	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	19	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	10	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	10	19 Nov 2022

**Velocity:**

For Sprint-1 the Average Velocity (AV) is:  $AV = \text{Sprint Duration} / \text{velocity} = 20 / 18 = 1.1V$

For Sprint-2 the Average Velocity (AV) is:  $AV = \text{Sprint Duration} / \text{velocity} = 20 / 19 = 1.05V$

For Sprint-3 the Average Velocity (AV) is:  $AV = \text{Sprint Duration} / \text{velocity} = 20 / 10 = 2.0V$

For Sprint-4 the Average Velocity (AV) is:  $AV = \text{Sprint Duration} / \text{velocity} = 20 / 10 = 2.0$

### Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.



