

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

Date	24 October 2022
Team ID	PNT2022TMID36530
Project Name	VirtualEye- Life Guard for Swimming Pools to Detect Active Drowning
Maximum Marks	4 Marks

**Prepare Milestone and Activity List**

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

Use the below template to create product backlog and sprint schedule

<b>Sprint</b>	<b>Functional Requirement (Epic)</b>	<b>User Story Number</b>	<b>User Story / Task</b>	<b>Story Points</b>	<b>Priority</b>	<b>Team Members</b>
Sprint-1	Registration	VLGFSP-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	Akash
Sprint-1	Registration	VLGFSP-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Naveen
Sprint-1	Registration	VLGFSP -3	As a user, I can register for the application through Facebook	2	Low	Himaja
Sprint-1	Registration	VLGFSP -4	As a user, I can register for the application through Gmail	2	Medium	Priyadharshini
Sprint-1	Login	VLGFSP -6	As a user, I can log into the application by entering email & password	1	High	Naveen
Sprint-2	Dataset Collect	VLGFSP -11	Collect number of datasets and get accuracy	2	Medium	SaiRam
Sprint-2	Pre-processing	VLGFSP -12	The dataset is extracted	2	High	Akash
Sprint-2	Train the model	VLGFSP -13	Train the model.	4	High	Himaja

<b>Sprint</b>	<b>Functional Requirement (Epic)</b>	<b>User Story Number</b>	<b>User Story / Task</b>	<b>Story Points</b>	<b>Priority</b>	<b>Team Members</b>
Sprint-2	Test the model	VLGFSP -14	Test the model	6	High	Akash
Sprint-3	Detection	VLGFSP -15	Load the trained model.	3	High	Priyadharshini
Sprint-3	Detection	VLGFSP -16	Identify the person by collecting real-time data through a webcam.	5	Medium	Naveen
Sprint-3	Detection	VLGFSP -16	classify it by using a trained model to predict the output	8	High	SaiRam
Sprint-4	Detection	VLGFSP -17	If person is drowning, the system will ring an alarm to give signal	7	High	Naveen
Sprint-4	Detection	VLGFSP -18	As a User,I can detect the drowning person.	3	Medium	Priyadharshini
Sprint-4	Logout	VLGFSP -19	As a User,I can logout the application.	2	Low	Himaja

### **Sprint Delivery Plan**

#### **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	8	6 Days	24 Oct 2022	29 Oct 2022	6	29 Oct 2022
Sprint-2	14	6 Days	31 Oct 2022	05 Nov 2022	12	05 Nov 2022
Sprint-3	16	6 Days	07 Nov 2022	12 Nov 2022	11	12 Nov 2022
Sprint-4	12	6 Days	14 Nov 2022	19 Nov 2022	12	19 Nov 2022

#### **Velocity:**

**Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)**

For Sprint-1 the Average Velocity (AV) is:  $AV = \text{Sprint Duration} / \text{velocity} = 8 / 6 = 1.3V$  For Sprint-

2 the Average Velocity (AV) is:  $AV = \text{Sprint Duration} / \text{velocity} = 14 / 6 = 2.3V$  For Sprint-3 the

Average Velocity (AV) is:  $AV = \text{Sprint Duration} / \text{velocity} = 16 / 6 = 2.6V$  For Sprint-4 the Average

Velocity (AV) is:  $AV = \text{Sprint Duration} / \text{velocity} = 12 / 6 = 2.0V$  TOTAL TEAM AVERAGE

VELOCITY = 2.08

**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.**





