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

Date	31 October 2022
Team ID	PNT2022TMID51401
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

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
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	Dinesh kumar
Sprint-1	Registration	VLGFSP-2	As a user, I will receive confirmation email once I have registered for the application	1	High	kalaisass
Sprint-1	Registration	VLGFSP -3	As a user, I can register for the application through Facebook	2	Low	Jakkisan
Sprint-1	Registration	VLGFSP -4	As a user, I can register for the application through Gmail	2	Medium	Ranjith kumar
Sprint-1	Login	VLGFSP -5	As a user, I can log into the application by entering email & password	1	High	kalaidass
Sprint-2	Dataset Collect	VLGFSP -6	Collect number of datasets and get accuracy	2	Medium	Dinesh kumar
Sprint-2	Pre-processing	VLGFSP -7	The dataset is extracted	2	High	kalaidass
Sprint-2	Train the model	VLGFSP -8	Train the model.	4	High	Jakkisan

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Test the model	VLGFSP -8	Test the model	6	High	Jakkisan
Sprint-3	Detection	VLGFSP -9	Load the trained model.	3	High	kalaidass
Sprint-3	Detection	VLGFSP -10	Identify the person by collecting realtime data through a webcam.	5	Medium	Ranjith kumar
Sprint-3	Detection	VLGFSP -11	classify it by using a trained model to predict the output	8	High	Dinesh kumar
Sprint-4	Detection	VLGFSP -12	If person is drowning, the system will ring an alarm to give signal	7	High	Ranjith kumar
Sprint-4	Detection	VLGFSP -13	As a User,I can detect the drowning person.	3	Medium	Dinesh kumar
Sprint-4	Logout	VLGFSP -14	As a User,I can logout the application.	2	Low	Jakkisan

Sprint Delivery Plan

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	8	2 Days	31 Oct 2022	02 Nov 2022	2	04 NoV 2022
Sprint-2	14	2 Days	05 Nov 2022	07 Nov 2022	2	09 Nov 2022
Sprint-3	16	2 Days	09 Nov 2022	11 Nov 2022	2	13 Nov 2022
Sprint-4	12	2 Days	14 Nov 2022	16 Nov 2022	2	18 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 = Sprint Duration / velocity = 8 / 6 = 1.3V For Sprint-

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

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

Velocity (AV) is: AV = Sprint Duration / 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.