Project Planning Phase
Sprint Delivery Plan

Date	18 October 2022
Team ID	PNT2022TMID23090
Project Name	Virtual eye - Life Guard for Swimming Pools to Detect Active Drowning
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	Registration	USN-1	I can be able to Register with My phone number but only one registration for single number.	1	High	Selva Kumar M
		USN-2	I will receive confirmation OTP on the registered phone number.	2	Medium	M yuva raja
		USN-3	I can also register Through Gmail	2	Low	Hari Haran
	Login	USN-4	I can login into the application by entering phone number & password.	1	High	M yuva raja
		USN-5	In prediction page, the data uploaded will help the user to detect the drowning movements	2	Medium	R I Kishor

Sprint-1	Dataset collection	USN-6	The dataset collected will give high accuracy on the drowning details.	2	High	Hari Haran M
Sprint	**Functional Requirement (Epic)**	**User Story Number**	**User Story / Task**	**Story Points**	**Priority**	**Team Members**
Sprint-2	Cloudant DB	USN-7	Create DB	4	High	M yuva raja
	Train the model	USN-8	We will train the model.	8	High	RI Kishor
		USN-9	We will test the model.	6	High	Selva Kumar M
Sprint-3	Detection	USN-10	The tested model will be loaded.	3	High	Hari Haran M
		USN-11	To identify the person by collecting real-time data.	5	Medium	M yuva raja
		USN-12	The data collected at present is checked with the pre-fed data.	8	High	Selva Kumar M
Sprint-4	Alert	USN-13	When the abnormal movement is detected the system will ring an alarm to notify the lifeguard to rescue the person.	7	High	Hari Haran M
		USN-14	We will be able to detect the drowning person.	3	Medium	R I Kishor

| Sprint-4 | Logout | USN-15 | User can logout of the application. | 2 | Low | M yuva raja |

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

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)
Sprint-1	10	6 Days	24 Oct 2022	Oct 2022
Sprint-2	18	6 Days	31 Oct 2022	Nov 2022
Sprint-3	16	6 Days	07 Nov 2022	Nov 2022
Sprint-4	12	6 Days	14 Nov 2022	Nov 2022

Velocity:

For Sprint-1 the Average Velocity (AV) is:

AV = Sprint Duration / velocity = 10 / 6 = 1.6

For Sprint-2 the Average Velocity (AV) is:

AV = Sprint Duration / velocity = 18 / 6 = 3.0

For Sprint-3 the Average Velocity (AV) is:

AV = Sprint Duration / velocity = 16 / 6 = 2.6

For Sprint-4 the Average Velocity (AV) is:

AV = Sprint Duration / velocity = 12/ 6 = 2.0