
Sprint Planning

PRODUCT BACKLOG, SPRINT SCHEDULE, AND ESTIMATION

Sprint	Functional Requirement (Epic)	User Story / Task	Priority	Team Members
Sprint-1	Registration	I can register for the application by entering my phone number.	High	Lavanya M
		I will receive confirmation OTP once I have registered for the application.	Low	Keerthana S
		I can also register for the application through Gmail	Medium	Sivaranjani M
	Login	I can login into the application by entering email or phone number & password.	High	Priyadharshini B
		In prediction page, the data uploaded will help the user to detect the drowning movements	Medium	Harini R

Sprint-1	Dataset collection	The dataset collected will give high accuracy on the drowning details of the person.	High	Keerthana S
Sprint	Functional Requirement (Epic)	User Story / Task	Priority	Team Members
Sprint-2	Data Preprocessing	The dataset is extracted and is used to train the model.	High	Lavanya M
	Train the model	We will train the model.	High	Keerthana S
		We will test the model.	High	Sivaranjani M
Sprint-3	Detection	The tested model will be loaded.	High	Priyadharshini B
		To identify the person by collecting realtime data.	Medium	Harini R
		The data collected at present is checked with the pre-fed data.	High	Lavanya M
Sprint-4	Alert	When the abnormal movement is detected the system will ring an alarm to notify the lifeguard to rescue the person.	High	Keerthana S
		We will be able to detect the drowning person.	Medium	Sivaranjani M

Sprint-4	Logout	User can logout of the application.	Low	Priyadharshini B
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Project Tracker, Velocity & Burndown Chart:

Sprint	Duration	Sprint Start Date	Sprint End Date (Planned)
Sprint-1	7 Days	2 Oct 2022	9 Oct 2022
Sprint-2	7 Days	10 Oct 2022	17 Oct 2022
Sprint-3	7 Days	20 Oct 2022	27 Oct 2022
Sprint-4	7 Days	3 Nov 2022	10 Nov 2022

Velocity:

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

$$AV = \text{Sprint Duration} / \text{velocity} = 10 / 7 = 1.4$$

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

$$AV = \text{Sprint Duration} / \text{velocity} = 18 / 7 = 2.5$$

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

$$AV = \text{Sprint Duration} / \text{velocity} = 16 / 7 = 2.2$$

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

$$AV = \text{Sprint Duration} / \text{velocity} = 12 / 7 = 1.7$$

BURNDOWN CHART

