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

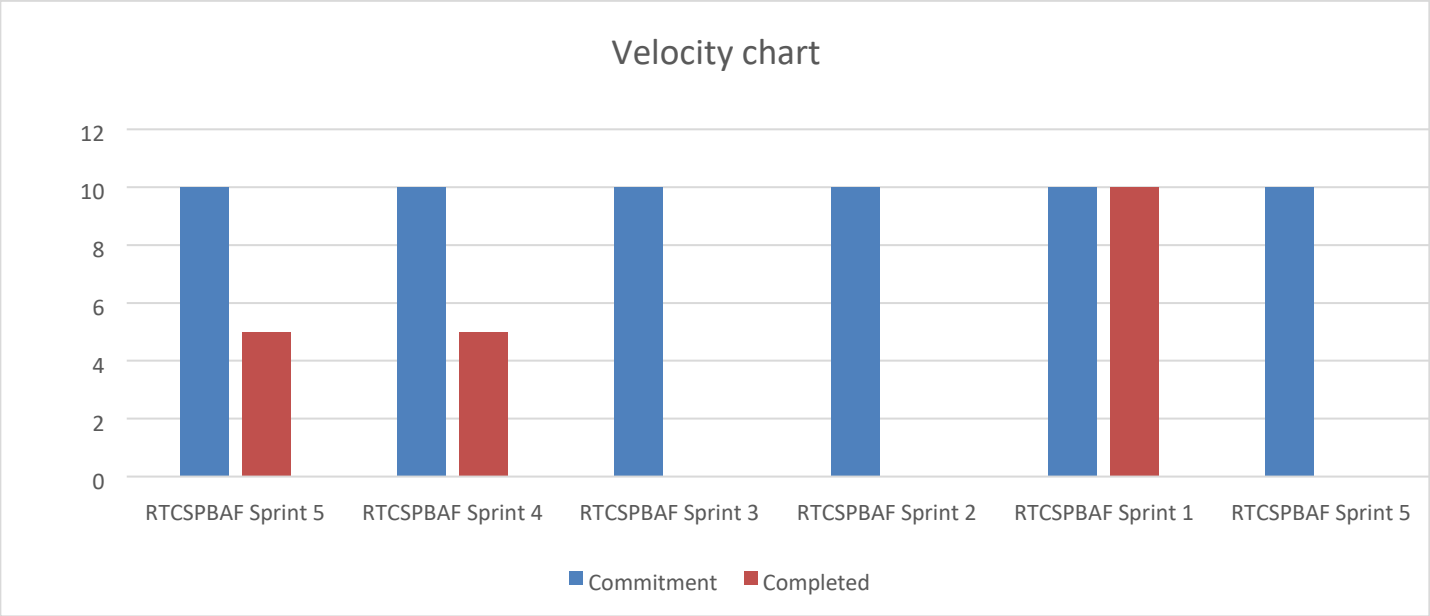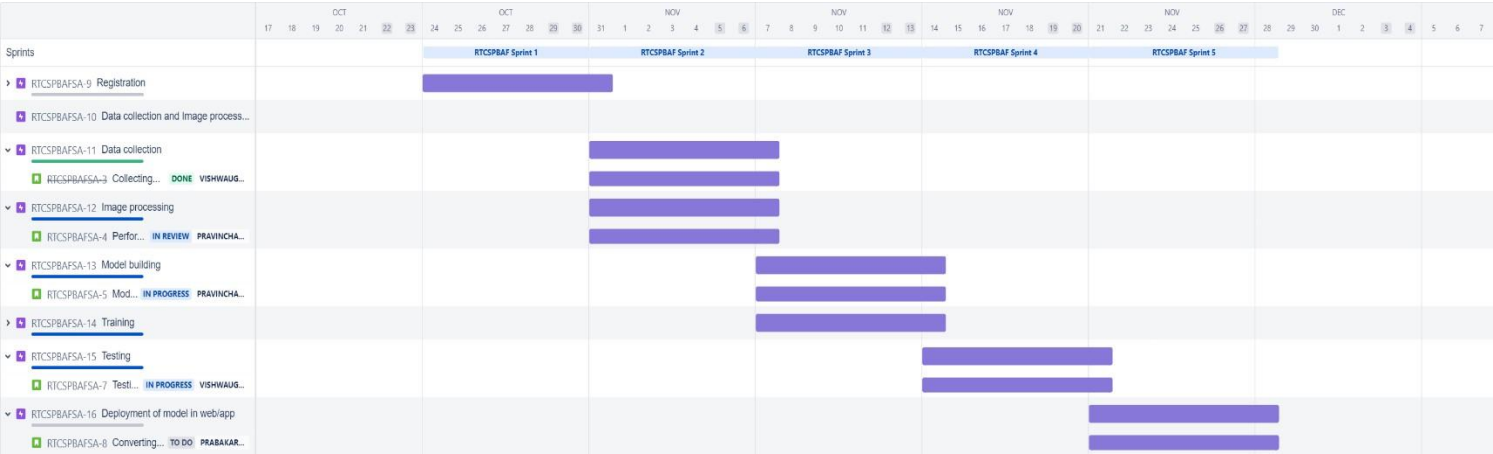| Date	22 October 2022
Team ID	PNT2022TMID24925
Project Name	Virtualeye-Life Guard For Swimming pools To Detect Active Drowning
Maximum Marks	8 Marks

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	As a user, I can register for the application by entering my email, password, and confirming my password.	**5**	High	ANGEL PRINCY **MADIHA ZEHRA ABINAYA KEERTHANA**
	Login	USN-2	As a user, I can log into the application by entering email & password	**5**	High	ANGEL PRINCY **MADIHA ZEHRA ABINAYA KEERTHANA**
	Data Collection	USN-3	Collecting Dataset	5	High	ANGEL PRINCY **MADIHA ZEHRA ABINAYA KEERTHANA**
	Image preprocessing	USN-4	Perform preprocessing techniques on the dataset	5	High	ANGEL PRINCY **MADIHA ZEHRA ABINAYA KEERTHANA**
Sprint-3	Model Building	USN-5	Model initialization with required layers	5	High	ANGEL PRINCY **MADIHA ZEHRA ABINAYA KEERTHANA**
	Training	USN-6	Training the image classification model using CNN	5	High	ANGEL PRINCY **MADIHA ZEHRA ABINAYA KEERTHANA**
Sprint-4	Testing	USN-7	Testing the model's performance	10	High	ANGEL PRINCY **MADIHA ZEHRA ABINAYA KEERTHANA**

Sprint-5	Deployment of model in web/app	USN-8	Converting text to speech API	10	High	ANGEL PRINCY **MADIHA ZEHRA ABINAYA KEERTHANA**

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

Velocity chart

Project tracker:

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	10	7 Days	24 Oct 2022	31 Oct 2022	10	29 Oct 2022
Sprint-2	10	7 Days	01 Oct 2022	07 Nov 2022	10	05 Nov 2022
Sprint-3	10	7 Days	08 Nov 2022	14 Nov 2022	10	12 Nov 2022
Sprint-4	10	7 Days	15 Nov 2022	21 Nov 2022	10	19 Nov 2022
Sprint-5	10	7 Days	22 Nov 2022	28 Nov 2022	10	25 Nov 2022

Velocity:

$$AV = \frac{sprint\ duration}{velocity}$$

Average Velocity = 7/10 = 0.7

Burndown Chart: