

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID30303
Project Name	Emerging Methods for Early Detection of Forest Fires
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	Data Collection and Preprocessing	USN-1	Download data and filter	1	High	Santhosh S
Sprint-1		USN-2	Taking pre-processing measures for better data	3	High	Revathy V
Sprint-1		USN-3	Image data generator	2	Medium	Shyam V
Sprint-1		USN-4	Generating train and test data	2	Medium	Dhinakaran K
Sprint-2	Model Building and Integrating Twilio	USN-5	Model building measures for building better model	2	High	Revathy V
Sprint-2		USN-6	Model building initializing and adding layers	3	High	Dhinakaran K
Sprint-2		USN-7	Train model with data	3	High	Santhosh S
Sprint-2		USN-8	Integrating with Twilio	2	High	Shyam V
Sprint-3	Deploying with OpenCV Live Cam	USN-9	Saving model and loading the OpenCV model	1	Medium	Dhinakaran K
Sprint-3		USN-10	Set OpenCV for live cam	2	High	Shyam V
Sprint-3		USN-11	Connecting front-end and back-end	3	High	Revathy V
Sprint-3		USN-12	Deploying application using IBM Cloud	4	High	Santhosh S

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Testing and Reinforcement	USN-13	Testing the whole model	3	High	Shyam V
Sprint-4		USN-14	Alteration and modifications	2	Medium	Santhosh S
Sprint-4		USN-15	Integrating Flask	2	Low	Revathy V
Sprint-4		USN-16	Final Testing	3	High	Dhinakaran K

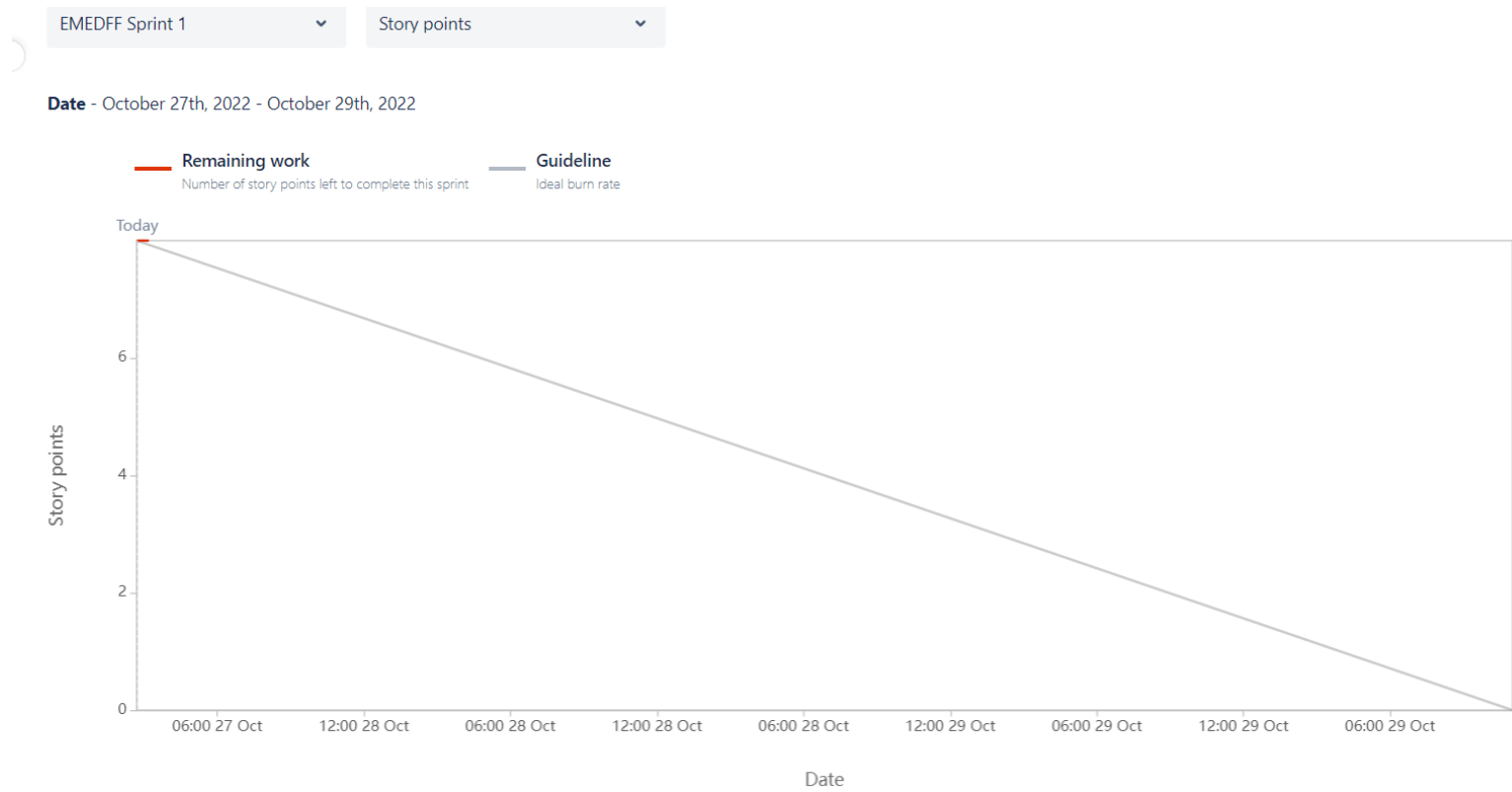
Project Tracker, Velocity & Burndown Chart: (4 Marks)

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	6 Days	24 Oct 2022	29 Oct 2022		
Sprint-2	10	4 Days	30 Oct 2022	02 Nov 2022		
Sprint-3	10	5 Days	03 Nov 2022	07 Nov 2022		
Sprint-4	10	5 Days	08 Nov 2022	12 Nov 2022		

Velocity:

$$\text{Average Velocity} = 10/4 = 2.5$$

Burndown Chart:



Roadmap:

	OCT				OCT						NOV						NOV											
	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14		
Sprints					EMEDFF Sprint 1						EMEDFF Sprint 2						EMEDFF Sprint 3						EMEDFF Sprint 4					
> EMEDFF-3 Data Collection and Preprocessing																												
> EMEDFF-4 Model Building and Integrating Twilio																												
> EMEDFF-5 Deploying with OpenCV Live Cam																												
> EMEDFF-6 Testing and Reinforcement																												