Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID13815
Project Name	Emerging methods for Early Detection Of Forests 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	USN-1	Collecting and Analysing the raw Image Data. .	5	High	Aiswarya S Balavashan RS
Sprint-1	Image Preprocessing	USN-1	Converting and correcting the image to make image quality and resolution high by rotation images in all possible directions and gaining knowledge.	10	High	Devika S Dharanidharan SS
Sprint-1	Trainset and Testset Image Data generation	USN-1	Converting and correcting the image to make image quality and resolution high by rotation images in all possible directions and gaining knowledge for test and train data.	5.	Medium	Aiswarya S
Sprint-2	Model Building	USN-2	Logic for Model by some Algorithms /Activation Functions.	10	High	Balavashan RS Devika S Dharanidharan SS

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Saving the Model	USN-2	As a Developer saving the model developed for estimation of fire	10	High	Aiswarya S Balavashan RS Devika S Dharanidharan SS
Sprint-3	Video Analysis	USN-3		10	Medium	Aiswarya S Balavashan RS Devika S Dharanidharan SS
Sprint-3	Twilio Message service	USN-3		10	Low	Aiswarya S Balavashan RS Devika S Dharanidharan SS
Sprint-4	Alert Sound and Message	USN-4	Sending Alert text message using registered twilio account and produce output sound alert alarm .	10	Low	Aiswarya S Balavashan RS
Sprint-4	Train Model on Cloud	USN-5	Application Deployment on Local System / Cloud Local Server Configuration: Cloud Server Configuration : and to train the deep learning model in IBM Cloud.	10	Medium	Devika S Dharanidharan SS

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	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 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)

VELOCITY 1= 20 / 6 (days per sprint) = 3.33

VELOCITY 2= 3.33

VELOCITY 3=3.313

VELOCITY 4=2.999 TOTAL VELOCITY = 3

Burndown Chart: