Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID50802
Project Name	Project – 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	USN-1	Download the dataset	2	High	R.Pandimeena L.Lavanya N.Ponchendila P.Subashini
Sprint-1	Image Preprocessing	USN-2	Importing the image data generator and defining the arguments and applying them to Train set and Test set	2	Low	R.Pandimeena L.Lavanya N.Ponchendila P.Subashini
Sprint-2	Model Building	USN-3	Import model building libraries, adding CNN Layers and Training the model	1	Medium	R.Pandimeena L.Lavanya N.Ponchendila P.Subashini
Sprint-3	Video Analysis	USN-4	Video is Processed using open CV, after installing Twilio Service model id saved using Keras library	1	High	R.Pandimeena L.Lavanya N.Ponchendila P.Subashini
Sprint-4	Train CNN model on IBM	USN-5	Train and save the model on IBM , Download the model to Local system and Test it.	2	High	R.Pandimeena L.Lavanya N.Ponchendila P.Subashini

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	4 Days	29 Oct 2022	02 Nov2022	20	09 Nov 2022
Sprint-2	20	5 Days	02 Nov 2022	07 Nov 2022	20	12 Nov 2022
Sprint-3	20	8 Days	07 Nov 2022	15 Nov 2022	12	15 Nov 2022
Sprint-4	20	9 Days	15 Nov 2022	19Nov 2022	10	19 Nov 2022

Velocity:

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{\mathbf{20}} = \mathbf{1}$$

Burndown Chart: