Project Planning Phase

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

Date	November 7, 2022
Team ID	PNT2022TMID34010
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	USN-1	Collect Dataset .	9	High	Jeffline Beno B Jesmitha Sharon D
Sprint-1		USN-2	Image preprocessing	8	Medium	Benilda Francy G Aswathy T J Jerslin Sneha J

Sprint		USN		Story Points	Priority	Team
Sprint-2	Model Building	USN-3	Import the required libraries, add the necessary layers and compile the model	10	High	Benilda Francy G Aswathy T J Jerslin Sneha J Jeffline Beno B Jesmitha Sharon D
Sprint-2		USN-4	Training the image classification model using CNN	7	Medium	Benilda Francy G Aswathy T J Jerslin Sneha J Jeffline Beno B Jesmitha Sharon D
Sprint-3	Training and Testing	USN-5	Training the model and testing the model's performance	9	High	Jeffline Beno B Jesmitha Sharon D Benilda Francy G Aswathy T J Jerslin Sneha J
Sprint-4	Implementation of the application	USN-6	Converting the input sign language images into English alphabets	8	Medium	Benilda Francy G Aswathy T J Jerslin Sneha J Jeffline Beno B Jesmitha Sharon D

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	10	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	10	6 Days	31 Oct 2022	05Nov 2022	20	05 Nov 2022
Sprint-3	10	6 Days	07 Nov 2022	12 Nov 2022	20	12Nov 2022
Sprint-4	10	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

Velocity:

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

AV=6/10=0.6