

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

Date	November 7, 2022
Team ID	PNT2022TMID37632
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
Sprint-1	Data Collection	USN-1	Collect Dataset .
Sprint-1		USN-2	Image preprocessing

Sprint-2	Model Building	USN-3	Import the required libraries, add the necessary layers and compile the model
Sprint-2		USN-4	Training the image classification model using CNN
Sprint-3	Training and Testing	USN-5	Training the model and testing the model's performance
Sprint-4	Implementation of the application	USN-6	Converting the input sign language images into English alphabets

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:

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

$$AV=6/10=0.6$$