Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Storypoints)

Team ID	PNT2022TMID33183
Project Name	Emerging methods for early detection of forest fires
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a user, I can sign up and register respective sites to access the required details and data. And import the required libraries for the processes.	2	High	Asleena , Ayesha hajera
Sprint-2	Login	USN-2	As a user,I will access the page and test and train the CNN model to predict or detect the forest fire.	2	High	Chandralekha, Aswini .
Sprint-3	Ibm service	USN-3	As a user, I can access the ibm cloud and deploy the trained CNN model. So the deployed model can be accessed whenever wanted.	1	Medium	Asleena , Chandralekha
Sprint-4	Login	USN-4	As a user, I can analysis the activites via video analysis whether there is fire occurrence or not.	2	High	Aswini , Ayesha hajera

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	4th Nov 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	6th Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	9th Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	12th 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)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

AV:

Sprint 1= 20/6= 3.33, Sprint 2= 20/6=3.33, Sprint 3= 20/6= 3.33, Srint 4=20/6=3.33

Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.