Project Planning Phase

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

Date	24 October 2022
Team ID	PNT2022TMID30386
Project Name	Emerging Methods for Early Detection of Forest Fires

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

Use the below template to create product backlog and sprint schedule

Sprint	FunctionalRequirement(Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a user, I can register for the application byentering my email, password, and confirmingmy password.	20	High	LOKNATH VNIRANJAN K NMOHAN KUMAR JJOSHUA JAYARAJ L
		USN-2	As a user, I will receive confirmation emailonce I have registered for the applicationusage.	20	High	LOKNATH VNIRANJAN K NMOHAN KUMAR JJOSHUA JAYARAJ L
Sprint-2	Input	USN-3	Whenever the fire is detected, the informationis given to the database.	20	High	LOKNATH VNIRANJAN K NMOHAN KUMAR JJOSHUA JAYARAJ L

Sprint-2		USN-4	When it is the wildfire then the alarmingsystem is activated.	20	High	LOKNATH VNIRANJAN K NMOHAN KUMAR JJOSHUA JAYARAJ L
Sprint-3 5	Output	USN-	And the alarm also sent to the correspondingdepartments and made them know that thewildfire is erupted.	20	High	LOKNATH VNIRANJAN K NMOHAN KUMAR JJOSHUA JAYARAJ L
Sprint-4 6	Action	USN-	Required actions will be taken in order tocontrol erupted wildfire by reaching as earlyas possible to the destination with thehelp ofdetecting systems.	20	High	LOKNATH VNIRANJAN K NMOHAN KUMAR JJOSHUA JAYARAJ L

Project Tracker, Velocity & Burn down Chart: (4 Marks)

Project Tracker:

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date(Planned)	Story PointsCompleted (ason Planned EndDate)	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) periteration unit (story points per day)

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

Burn down 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.