ProjectPlanningPhase
ProjectPlanningTemplate(ProductBacklog,SprintPlanning,Stories,Storypoints)

Date	18October2022
TeamID	PNT2022TMID49866
ProjectName	Digital Naturalist - AI Enabled tool forBiodiversityResearchers
MaximumMarks	8 Marks

ProductBacklog,SprintSchedule,andEstimation(4Marks)

Usethe below templateto create productbacklog and sprintschedule

Sprint	FunctionalRequirement(Epic)	UserStory Number	UserStory/Task	StoryPoints	Priority	TeamMembers
Sprint-1	Registration	USN-1	Asauser,Icanregisterfortheapplicationbyentering my email, password, andconfirmingmypassword.	2	High	
Sprint-1		USN-2	Asauser,IwillreceiveconfirmationemailonceI haveregisteredfortheapplication	1	High	
Sprint-1		USN-3	Asauser,IcanregisterfortheapplicationthroughGmail	2	Medium	

Sprint-1	Login	USN-4	Asauser,Icanlogintotheapplicationbyentering email&password	1	High	
	Dashboard					

ProjectTracker,Velocity&BurndownChart:(4Marks)

Sprint	TotalStory Points	Duration	SprintStartDate	SprintEndDate(Planned)	Story PointsComple ted(asonPlann edEndDate)	SprintReleaseDate(Actual)
Sprint-1	20	6Days	24Oct2022	29Oct2022	20	29Oct2022
Sprint-2	20	6Days	31Oct2022	05Nov2022	20	05Nov2022
Sprint-3	20	6Days	07Nov2022	12Nov2022	20	12 Nov2022
Sprint-4	20	6Days	14Nov2022	19Nov2022	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) periterationunit (story points per day)

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

BurndownChart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies suchasScrum. However, burndown chartscan be appliedto any projectcontaining measurable progressover time.

https://www.visual-paradigm.com/scrum/scrum-burndown-chart/https://www.atlassian.com/agile/tutorials/burndown-charts**Reference:**

https://www.atlassian.com/agile/project-managementhttps://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-softwarehttps://www.atlassian.com/agile/tutorials/epicshttps://www.atlassian.com/agile/tutorials/sprintshttps://www.atlassian.com/agile/project-management/estimationhttps://www.atlassian.com/agile/tutorials/burndown-charts