ProjectPlanningPhase
ProjectPlanningTemplate(ProductBacklog,SprintPlanning,Stories,Storypoints)

Date	28October2022
TeamID	PNT2022TMID52468
ProjectName	EstimateTheCropYieldUsingDataAnalytics
MaximumMarks	8 Marks

ProductBacklog,SprintSchedule,andEstimation(4Marks)

Templatetocreateproductbacklogandsprintschedule

Sprint	FunctionalRequirement(Epic)	User StoryNumber	UserStory/Task	Story Points	Priority	TeamMembers
Sprint-1	Registration	USN-1	Asauser,IcanregisterforbyenteringmyAgri-idcardand request..	2	High	Prasanna Gova RajVi mal
		USN-3	Asauser,IcanregisterfortheapplicationthroughGmail	2	Medium	Prasanna Gova
	Login	USN-4	Asauser,IcanCalland requestorApproachfordataset	4	High	RajVi mal
	Working withtheDataset	USN-5	Toworkonthegivendataset,UnderstandtheDataset.	2	High	Prasanna Gova Raj Vimal
		USN-6	LoadthedatasettoCloudplatformthenBuildtherequiredVisualizations.	10	High	Prasanna Gova
Sprint-2	DataVisualizationChart	USN-7	UsingtheCropproductioninIndiandataset,create variousgraphsandchartstohighlighttheinsightsandvisualizations. *Build a Visualization to showcase Average Crop Production bySeasons.	4	Medium	RajVi mal
			*ShowcasetheYearlyusageofAreainCropProduction.	4	Medium	Prasanna Gova

Sprint	Functional Requirement(Epic)	User StoryNu mber	UserStory/Task	Story Points	Priority	TeamMembers
			Buildavisualizationtoshowcasetop10StatesinCropYieldProductionbyArea.	4	Medium	Prasanna Gova
			BuildtherequiredVisualizationtoshowcasetheCropProductionbyState.	4	Medium	RajVi mal
			Build Visual analytics to represent the Sates with Seasonal CropProductionusingaText representation.	4	Medium	Prasanna Gova
Sprint-3	Creating Thedashboard	USN-8	CreatetheDashboardbyusingthecreatedvisualizations.	20	High	RajVi mal
Sprint-4	ExportTheAnalytics	USN-9	ExportthecreatedDashboard	20	High	Prasanna Gova

ProjectTracker,Velocity&BurndownChart:(4Marks)

Sprint	Total StoryPoint s	Duration	SprintStart Date	SprintEndDate(Planned)	StoryPointsCompleted (as onPlannedEndDate)	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	12Nov2022
Sprint-4	20	6Days	14Nov2022	19Nov2022	20	19Nov2022

Velocity:

We have a 24-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 (storypointsperday)

AV=SprintDuration/Velocity=24/ 20=1.2

BurndownChart: Aburndownchartisagraphicalrepresentationofworklefttodoversustime.Itis oftenusedinagilesoftwaredevelopmentmethodologiessuchasScrum.However,burndownchartscanbeappliedto anyprojectcontainingmeasurableprogressovertime.

BURNDOWN CHART