ProjectPlanningPhase

ProjectPlanningTemplate(ProductBacklog,SprintPlanning,Stories,Storypoints)

Date	27October2022
TeamID	PNT2022TMID41867
ProjectName	Signs with Smart Connectivity for Better Road Safety
MaximumMarks	8Marks

ProductBacklog,SprintSchedule,andEstimation(4Marks)

Usethebelowtemplatetocreateproductbacklogandsprintscheme

Sprint	Functional Requirement(Epic)	UserStory/Task	StoryPoints	Priority	TeamMembers
Sprint-1	ResourcesInitialization	CreateandinitializeaccountsinvariouspublicAPIslikeOpenWeatherMapAPI.	1	LOW	Saranya Sandhiya Santhiya Sakthikala Kariyaraman
Sprint-1	LocalServer/SoftwareRun	WriteaPythonprogramthatoutputsresultsgiventheinputslikeweatherandlocation.	1	MEDIUM	Saranya Sandhiya Santhiya Sakthikala Kariyaraman
Sprint-2	Pushtheserver/softwaretocloud	PushthecodefromSprint1tocloudsoitcan be accessedfromanywhere	2	MEDIUM	Saranya Sandhiya Santhiya Sakthikala Kariyaraman
Sprint-3	Hardwareinitialization	Integratethehardwaretobeabletoaccessthecloudfunctionsandprovideinputstothesame.	2	HIGH	Saranya Sandhiya Santhiya Sakthikala Kariyaraman
Sprint-4	UI/UXOptimization& Debugging	Optimizealltheshortcomingsandprovidebetteruserexperience.	2	LOW	Saranya Sandhiya Santhiya Sakthikala

					Kariyaraman

ProjectTracker,Velocity&BurndownChart:(4Marks)

Sprint	Total StoryPoints	Duration	SprintStartDate	Sprint End Date(Planned)	StoryPoints Completed (as onPlannedEndDate)	SprintReleaseDate(Actual)
Sprint-1	20	6Days	24Oct2022	29Oct2022	20	29Oct2022
Sprint-2	20	6Days	31Oct2022	05Nov2022	20	31Oct2022
Sprint-3	20	6Days	07Nov2022	12Nov2022	20	07Nov2022
Sprint-4	20	6Days	14Nov2022	19Nov2022	20	14Nov2022

Velocity:

Imaginewehavea10-daysprintduration,and thevelocityoftheteamis20(pointspersprint).Let'scalculatetheteam'saveragevelocity(AV)periterationunit(storypointsperday)

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

BurndownChart: