ProjectPlanningPhase

ProjectPlanningTemplate(ProductBacklog,SprintPlanning,Stories,Storypoints)

Date	18October2022
TeamID	PNT2022TMID40831
ProjectName	Project – EXPLORATORY ANALYSIS OFRAINFALL DATA IN INDIA FORAGRICULTURE.
MaximumMarks	8Marks

ProductBacklog,SprintSchedule,andEstimation(4Marks)

Usethebelowtemplatetocreate productbacklogandsprintschedule

Sprint	FunctionalRequirement (Epic)	User StoryNumber	UserStory/Task	Story Points	Priority	TeamMembers
Sprint-1	Rainfall PredictionMLModel (Dataset)	USN-1	Weather Dataset Collection, Data pre-processing,DataVisualization.	5	High	Meena.A
Sprint-1		USN-2	Train Model using Different machine learningAlgorithms	5	High	Meena.A
Sprint-1		USN-3	Test themodelandgivebest	10	High	Meena.A
Sprint-2	Registration	USN-4	Asa user, theycanregisterfor the application through Gmail. Password is setup.	5	Medium	Srimathi.S
Sprint-2	Login	USN-5	As a user, they can log into the application byenteringemail&password	5	Medium	Srimathi.S
Sprint-2		USN-6	Credentialsshouldbeusedformultiplesystems andverified	4	Medium	Srimathi.S
Sprint-2	Dashboard	USN-7	Attractivedashboardforecastingliveweather	6	Low	Srimathi.S
Sprint-3	RainfallPrediction	USN-8	Userenterthelocation,temperature,humidity	10	High	Archana.M
Sprint-3		USN-9	Predicttherainfallanddisplay theresult	10	High	Archana.M

Sprint	FunctionalRequirement(Epic)	User StoryNumber	UserStory/Task	Story Points	Priority	TeamMembers
Sprint-4	Testing	USN-10	Test theapplication	10	High	Vichitra.A
Sprint-4	Deploy Model	USN-11	DeploythemodelinIBM cloudtomakeuserfriendlyapplication	10	High	Vichitra.A

ProjectTracker,Velocity&BurndownChart:(4Marks)

Sprint	Total StoryPoints	Duration	Sprint Start Date	Sprint End Date(Planned)	StoryPoints Completed (as onPlannedEndDate)	Sprint Release Date(Actual)
Sprint-1	20	6Days	24Oct2022	29Oct2022	20	29Oct2022
Sprint-2	20	6Days	31Oct2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

Velocity:

Imagine we have a 5-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 perday)

AV= Sprint duration/ Velocity = 20/5

=4TotalAverageVelocity=4

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,burndowncharts canbe appliedtoany projectcontainingmeasurable progressovertime.

Tool:JiraSoftware