ProjectPlanningPhase

ProjectPlanningTemplate (ProductBacklog,Sprint Planning,Stories,Storypoints)

Date	28 October2022
TeamID	PNT2022TMID01964
ProjectName	CrudeOilPricePrediction
MaximumMarks	8 Marks

ProductBacklog,SprintSchedule,andEstimation(4Marks)

Usethebelowtemplatetocreate productbacklogandsprintschedule

Sprint	FunctionalRequirement(Epic)	UserStoryNumber	UserStory/Task	StoryPoints	Priority	TeamMembers
Sprint-1	DataCollection	USN-1	DownloadCrudeOilPriceDataset	2	Medium	Riddhica S
Sprint-1	DataPreprocessing	USN-2	ImportingTheDatasetintoWorkspace	1	Low	Rina Jose A
Sprint-1		USN-3	HandlingMissingData	3	Medium	Shri Dharshini D
Sprint-1		USN-4	FeatureScaling	3	Low	Saruja Lakshmi C
Sprint-1		USN-5	DataVisualization	3	Medium	Shri Dharshini D
Sprint-1		USN-6	SplittingDataintoTrain andTest	4	High	Riddhica S
Sprint-1		USN-7	CreatingADatasetwith SlidingWindows	4	High	Shri Dharshini D
Sprint-2	ModelBuilding	USN-8	ImportingTheModelBuildingLibraries	1	Medium	Saruja Lakshmi C
Sprint-2		USN-9	InitializingTheModel	1	Medium	Rina Jose A
Sprint-2		USN-10	AddingLSTMLayers	2	High	Shri Dharshini D
Sprint-2		USN-11	AddingOutputLayers	3	Medium	Riddhica S
Sprint-2		USN-12	ConfigureTheLearningProcess	4	High	Saruja Lakshmi C

Sprint	FunctionalRequirement(Epic)	UserStoryNumber	UserStory/Task	StoryPoints	Priority	TeamMembers
Sprint-2		USN-13	TrainTheModel	2	Medium	Shri Dharshini D
Sprint-2		USN-14	ModelEvaluation	1	Medium	Riddhica S
Sprint-2		USN-15	SaveTheModel	2	Medium	Rina Jose A
Sprint-2		USN-16	TestTheModel	3	High	Saruja Lakshmi C
Sprint-3	ApplicationBuilding	USN-17	CreateAnHTMLFile	4	Medium	Rina Jose A
Sprint-3		USN-18	BuildPythonCode	4	High	Shri Dharshini D
Sprint-3		USN-19	RunTheAppinLocalBrowser	4	Medium	Riddhica S
Sprint-3		USN-20	ShowcasingPredictionOn UI	4	High	Saruja Lakshmi C
Sprint-4	TrainTheModelOnIBM	USN-21	RegisterForIBMCloud	4	Medium	Shri Dharshini D
Sprint-4		USN-22	TrainTheMLModelOnIBM	8	High	Shri Dharshini D
Sprint-4		USN-23	IntegrateFlaskwithScoringEndPoint	8	High	Shri Dharshini D

ProjectTracker,Velocity &Burndown Chart: (4 Marks)

Sprint	Total StoryPoints	Duration	SprintStartDate	SprintEndDate(Planned)	Story PointsCompleted (as onPlannedEndDate)	SprintReleaseDate(Actual)
Sprint-1	20	6Days	24Oct2022	29Oct2022	20	29Oct2022
Sprint-2	20	6Days	31Oct2022	05Nov2022	20	03Nov2022
Sprint-3	20	6Days	07Nov2022	12Nov2022	20	10Nov2022
Sprint-4	20	6Days	14Nov2022	19Nov2022	20	17Nov2022

Velocity:

Imaginewehavea10-daysprint duration,andthevelocity oftheteamis20(pointspersprint). Let'scalculatetheteam'saveragevelocity(AV)periterationunit(storypointsperday)

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

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 suchas Scrum.However,burndown chartscanbe applied toanyprojectcontaining measurableprogressovertime.