

ProjectPlanningPhase
ProjectPlanningTemplate (ProductBacklog,Sprint Planning,Stories,Storypoints)

Date	29 October2022
TeamID	PNT2022TMID13911
ProjectName	CrudeOilPricePrediction
MaximumMarks	8 Marks

ProductBacklog,SprintSchedule,andEstimation(4Marks)

Usethebelowtemplatetocreate productbacklogandsprintschedule

Sprint	FunctionalRequireme nt(Epic)	UserStoryN umber	UserStory/Task	StoryPoints	Priority	TeamMembers
Sprint-1	DataCollection	USN-1	DownloadCrudeOilPriceDataset	2	Medium	Karthikeyan M
Sprint-1	DataPreprocessing	USN-2	ImportingTheDatasetintoWorkspace	1	Low	Perumal P
Sprint-1		USN-3	HandlingMissingData	3	Medium	Kiran R
Sprint-1		USN-4	FeatureScaling	3	Low	Naveen prabhu D
Sprint-1		USN-5	DataVisualization	3	Medium	Kiran R
Sprint-1		USN-6	SplittingDataintoTrain andTest	4	High	Naveen prabhu D
Sprint-1		USN-7	CreatingADatasetwith SlidingWindows	4	High	Perumal P
Sprint-2	ModelBuilding	USN-8	ImportingTheModelBuildingLibraries	1	Medium	Kiran R
Sprint-2		USN-9	InitializingTheModel	1	Medium	Naveen prabhu D
Sprint-2		USN-10	AddingLSTMLayers	2	High	Perumal P
Sprint-2		USN-11	AddingOutputLayers	3	Medium	Kiran R
Sprint-2		USN-12	ConfigureTheLearningProcess	4	High	Karthikeyan M

Sprint	FunctionalRequirement(Epic)	UserStoryNumber	UserStory/Task	StoryPoints	Priority	TeamMembers
Sprint-2		USN-13	TrainTheModel	2	Medium	Karthikeyan M
Sprint-2		USN-14	ModelEvaluation	1	Medium	Perumal P
Sprint-2		USN-15	SaveTheModel	2	Medium	Kiran R
Sprint-2		USN-16	TestTheModel	3	High	Naveen prabhu D
Sprint-3	ApplicationBuilding	USN-17	CreateAnHTMLFile	4	Medium	Karthikeyan M
Sprint-3		USN-18	BuildPythonCode	4	High	Kiran R
Sprint-3		USN-19	RunTheAppinLocalBrowser	4	Medium	Naveen prabhu D
Sprint-3		USN-20	ShowcasingPredictionOn UI	4	High	Kiran R
Sprint-4	TrainTheModelOnIBM	USN-21	RegisterForIBMCloud	4	Medium	Naveen prabhu D
Sprint-4		USN-22	TrainTheMLModelOnIBM	8	High	Perumal P
Sprint-4		USN-23	IntegrateFlaskwithScoringEndPoint	8	High	Kiran R

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:

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) per iteration unit (story points per day)

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



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 such as Scrum. However, burndown charts can be applied to any project containing measurable progress over time.

