

ProjectPlanningPhase

ProjectPlanningTemplate (ProductBacklog,Sprint Planning,Stories,Storypoints)

Date	1 November2022
TeamID	PNT2022TMID15221
ProjectName	PredictiveAnalyticsforAircraftEngines
MaximumMarks	8 Marks

ProductBacklog,SprintSchedule,andEstimation(4Marks)

Sprint	FunctionalRequirement(Epic)	User StoryNumber	UserStory/Task	StoryPoints	Priority	TeamMembers
Sprint-1	Createanapplication - PredictiveAnalyticsforAircraftEngine	IP-11-5	NeedtoCollectthedataset	4	Medium	Harish A S
		IP-11-23	Downloadthedataset	-	-	Harish A S
Sprint-1	Createanapplication - PredictiveAnalyticsforAircraftEngine	IP-11-6	DataPre-Processing	16	High	Aditya K
		IP-11-24	Importrequiredlibraries	-	-	Harish A S
		IP-11-25	Readthedatasets	-	-	Febin C
		IP-11-26	Pre-Processsthe datasets	-	-	Aditya K
		IP-11-27	CalculatethetimetoFailure	-	-	Gadaadhar C H
		IP-11-28	Splitthedataset	-	-	Aditya K
Sprint-2	Createanapplication - PredictiveAnalyticsforAircraftEngine	IP-11-7	ModelBuilding	20	High	Harish A S

		IP-11- 29	Choosetheappropriatemodel	-	-	Febin C
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Sprint	Functional Requirement (Epic)	User Story Number	User Story/Task	Story Points	Priority	Team Members
		IP-11-30	Test the model accuracy	-	-	Aditya K
Sprint-3	Create an application - Predictive Analytics for Aircraft Engine	IP-11-8	Application Building	20	High	Febin C
		IP-11-31	Build the python flask app	-	-	Aditya K
		IP-11-32	Configure for Manual Prediction	-	-	Gadaadhar C H
		IP-11-33	Build a HTML Page	-	-	Harish A S
		IP-11-34	Execute and test the model	-	-	Febin C
Sprint-4	Create an application - Predictive Analytics for Aircraft Engine	IP-11-9	Train the Model on IBM	10	High	Gadaadhar C H
		IP-11-35	Register for IBM Cloud	-	-	Gadaadhar C H
		IP-11-36	Train the ML model on IBM cloud	-	-	Aditya K Harish A S
		IP-11-37	Integrate Flask with Scoring End Point	-	-	Febin C
Sprint-4	Create an application - Predictive Analytics for Aircraft Engine	IP-11-10	Check the functionality of the Web App (The first step)	10	Medium	
		IP-11-38	Prediction Page	-	-	Harish A S Gadaadhar C H
		IP-11-39	Output page	-	-	Aditya K Febin C

ProjectTracker,Velocity &Burndown Chart: (4 Marks)

Sprint	TotalStoryPnts	Duration	SprintStartDate	SprintEndDate(Planned)	Story PointsCompleted (as onPlannedEndDate)	SprintReleaseDate(Actual)
Sprint-1	20	6Days	24Oct2022	29Oct2022	20	13Nov2022
Sprint-2	20	6Days	31Oct2022	05Nov2022	20	14Nov 2022
Sprint-3	20	6Days	07Nov2022	12Nov2022	20	15Nov2022
Sprint-4	20	6Days	14Nov2022	19Nov2022	20	17Nov2022

Velocity:

$$AV = \frac{\text{ sprint duartion }}{\text{ velocity }} = \frac{20}{6} = 3.33$$

BurndownChart:

Software project

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Reports

- Overview
- Burnup report
- Sprint burndown chart**
- Cumulative flow diagram
- Cycle time report
- Deployment frequency report

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IP11 Sprint 1

Story points



Date - November 11th, 2022 - November 13th, 2022

