Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

Date	15 November 2022
Team ID	PNT2022TMID22187
Project Name	Airlines Data Analytics In Aviation Industry
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

PRODUCT BACKLOG AND SPRINT SCHEDULE

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a user, I can register for by entering my details to work on Cognos Analytics	2	High	Vishal T Sanjay Kumar C Prince Xavier A Sarvesh H
		USN-3	As a user, I can register for the application through Gmail	2	Medium	Vishal T Sarvesh H
	Login	USN-4	As a user, I can Call and request or Approach for dataset	4	High	Prince Xavier A Sanjay Kumar.C
	Working with the Dataset	USN-5	To work on the given dataset, Understand the Dataset.	2	High	Vishal T Sanjay Kumar C Prince Xavier A Sarvesh H
		USN-6	Load the dataset to Cloud platform then Build the required Visualizations.	10	High	Vishal T Sarvesh H
Sprint-2	Completion of Tasks for Project Design and Planning Phase	USN-7	Completion of Empathy Map, Literature Survey, Ideation Brain Storm, Proposed Solution, Problem Solution, Solution Architecture, Customer Journey, Functional Requirements, Data Flow Diagrams and Technology Architecture	10	High	Vishal T Sanjay Kumar C Prince Xavier A Sarvesh H
			Creation of Empathy Map, Brainstorm Ideation	2	High	Prince Xavier A Sanjay Kumar C

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
		USN-8	Completion of Literature Survey	2	High	Vishal T
		USN-9	Completion of Project Phase 1	5	High	Vishal T Prince Xavier A Sarvesh H
		USN-10	Completion of Project Phase 2	5	High	Vishal T Sanjay Kumar C Sarvesh H
Sprint-3	Completion of Visualization Charts	USN-11	Using the Airlines Dataset, create various graphs and charts to high light the insights and visualizations. Build a Visualizations and Dashboards to showcase Different Types of Airports in Various Countries and Continents.	4	Medium	Vishal T
		USN-12	Representation of Flight Count by Categories	4	Medium	Sarvesh H
		USN-13	Continent wise Count of Airports using Geo Map	4	Medium	Sanjay Kumar C
		USN-14	Country wise Airports with Types	4	Medium	Prince Xavier A
	Creating The dashboard and Exporting	USN-15	Create the Dashboard by using the created visualizations.	20	High	Sarvesh H
Sprint-4	Developing Programming Codes and Visualizing it through Programming Analysis	USN-16	Creation of Visuals from the data set through Programming	20	High	Vishal T Sanjay Kumar C Prince Xavier A Sarvesh H

Project Tracker, Velocity & Burn down Chart: (4 Marks)

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

Velocity:

We have a 24-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 = Sprint Duration / Velocity = 24 / 20 = 1.2

Burndown Chart: 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, burn down charts can be applied to any project containing measurable progress over time.