

PROJECT PLANNING PHASE
PROJECT PLANNING (PRODUCT BACKLOG, SPRINT PLANNING, STORIES, STORY POINTS)

Date	13 October 2022
TeamID	PNT2022TMID03456
ProjectName	Corporate Employee Attrition Analysis
MaximumMarks	5 Marks

ProductBacklog,Sprint Schedule,andEstimation(4Marks)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration and Authentication	USN-1	As a user, I should be able to register in the application and the registered user should be authenticated and verified and logged in.	5	High	Saran E R Nitish Kumar Srikanth G V Venkata Sesha Sai Akilla
Sprint-2	Dataset upload and creating dashboards.	USN-3	As a user, I should be able to upload the dataset and do exploratory analysis and Explore patterns.	2	Medium	Saran E R Nitish Kumar Srikanth G V Venkata Sesha Sai Akilla
Sprint-2	Data Representation	USN-4	I present the data using analytical tools and present the data using charts and graphs.	3	Medium	Saran E R Nitish Kumar Srikanth G V Venkata Sesha Sai Akilla
Sprint-3	Model creation and testing	USN-5	I split the data into test and train data and create the model.	5	High	Saran E R Nitish Kumar Srikanth G V Venkata Sesha Sai Akilla

Sprint-4	Model Output	USN-6	The model is used to predict the attrition rate.	5	High	Saran E R Nitish Kumar Srikanth G V Venkata Sesha Sai Akillla
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PROJECT TRACKER,VELOCITY & BURNDOWN CHART: (5 MARKS)

`Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned EndDate)	Sprint Release Date (Actual)
Sprint-1	5	6 Days	24 Oct 2022	29 Oct 2022	5	29 Oct 2022
Sprint-2	5	6 Days	31 Oct 2022	05 Nov 2022	5	05 Nov 2022
Sprint-3	5	6 Days	07 Nov 2022	12 Nov 2022	5	12 Nov 2022
Sprint-4	5	6 Days	14 Nov 2022	19 Nov 2022	5	19 Nov 2022

VELOCITY:

We have an 6-day sprint duration, and the velocity of the team is 5 (points per sprint) . To calculate the team's average velocity (AV) per iteration unit (story points per day).

$$\text{AVG VELOCITY (AV)} = \frac{\text{SPRINT DELIVERY}}{\text{VELOCITY}}$$

$$= 6 / 5$$

$$\text{AVG VELOCITY (AV)} = 1.2$$