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

Date	27 October 2023
Team ID	Team-593386
Project Name	Machine Learning Approach For Employee Performance Prediction
Maximum Marks	8 Marks

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

Use the below template to create product backlog and sprint schedule

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Employee	View their own predicted performance	USN-1	Employees should be able to view their own predicted performance, understand their strengths and weaknesses, and identify areas for improvement.	The system must allow employees to view their own predicted performance, along with the factors that influenced the prediction.	High	Sprint-1
Manager	Predict the performance of specific employees	USN-2	Managers need to predict the performance of specific employees with an accuracy of at least 80% to provide them with appropriate support and resources.	The system should allow managers to input specific employee details for performance prediction. The prediction results should meet an accuracy threshold of at least 80%. The system should provide managers with the predicted performance information and insights.	High	Sprint-2

	Generate a report of predicted employee performance	USN-3	Managers should be able to generate reports of predicted employee performance to identify trends and make informed decisions about their teams.	The system should allow managers to generate reports. The report should include employee ID, predicted performance, and factors influencing the prediction. Reports should be easily accessible and exportable.	High	Sprint-2
Human Resources	Manage employee performance predictions	USN-4	Human Resources representatives should have the ability to manage employee performance predictions, identifying high-performing employees and providing opportunities for growth while supporting low-performing employees.	The system should enable HR representatives to view, edit, and delete employee performance predictions. Access control and data protection measures should be in place.	Medium	Sprint-2
Administrator	Manage user accounts	USN-5	Administrators should manage user accounts, including adding, deleting, and editing user profiles as needed..	The system should provide administrators with features to add, delete, and edit user accounts. User account management actions should be logged for auditing purposes.	Medium	Sprint-2
Administrator	Manage user accounts	USN-6	As an administrator, I want to be able to manage user accounts, so that I can add, delete, and edit users as needed.	The system must allow administrators to add, delete, and edit user accounts.	Medium	Sprint-1
	Manage system settings	USN-7	Administrators should manage system settings, such as prediction accuracy thresholds and the factors used for predictions.	The system should allow administrators to modify system settings, including prediction accuracy thresholds and the selection of influencing factors. System settings changes should be logged and auditable.	Medium	Sprint-1

Data Analyst	Analyze predicted employee performance data	USN-8	Data Analysts should analyze predicted employee performance data to derive insights and patterns that guide decision-making.	The system should allow Data Analysts to access the predicted performance data of employees. Data Analysts should have tools for data exploration and analysis, including statistical and visualization features. Data Analysts should be able to create reports and visualizations to communicate their findings. Access to sensitive employee data should be controlled and monitored for compliance with data privacy regulations.	Medium	Sprint-3

Project Tracker, Velocity & Burndown Chart: (4 Marks)
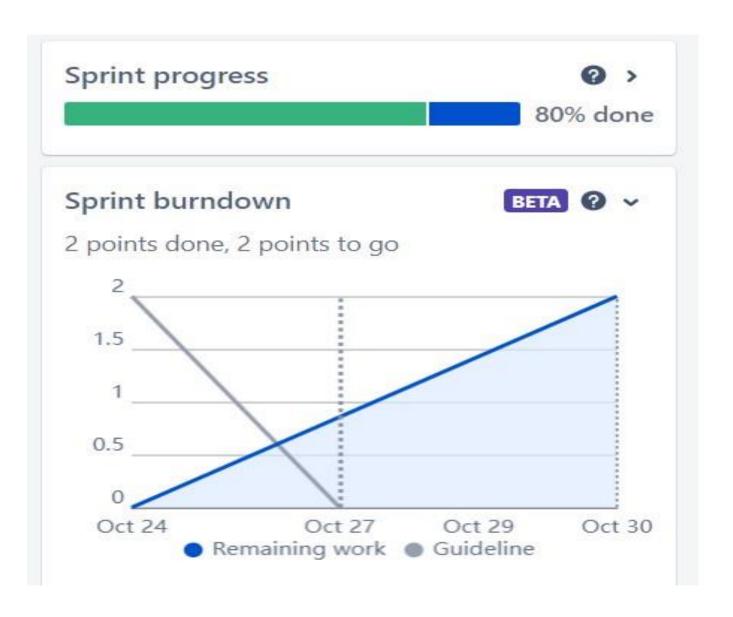
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	10	4 Days	20 Oct 2022	23 Oct 2022	8	20 oct
Sprint-2	10	4 Days	24 Oct 2022	27 Nov 2022	10	24 OCT
Sprint-3	10	4 Days	28 Nov 2022	31 Nov 2022	10	28 oct

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)

$$AV = \frac{sprint\ duration}{velocity}$$
= 10/4=2.5

Burndown Chart:

Sprint progress

❓ ›

████████████████████ 80% done

Sprint burndown

BETA ❓ ⌄

2 points done, 2 points to go

Legend:
- ● Remaining work
- ● Guideline

Y-axis: 0, 0.5, 1, 1.5, 2

X-axis: Oct 24, Oct 27, Oct 29, Oct 30

https://aayushkumar20.atlassian.net/jira/software/projects/MLAFEPP/boards/4?isInsightsOpen=true