

## Initial Project Planning Report

Date	24 June 2025
Team ID	SWUID20250176345
Project Name	Machine Learning Approach for Employee Performance Prediction
Maximum Marks	4 Marks

### Product Backlog, Task Schedule, and Estimation

Use the below template to create a product backlog and Task schedule

Task	Functional Requirement (Epic)	User Story / Task	Priority	Team Members	Task Start Date	Task End Date (Planned)
Task-1	Data Collection	Download the dataset	High	Shravan	2025/06/24	2025/06/24
Task-2	Visualizing & Analyzing Data	Importing the libraries	Medium	Shravan	2025/06/24	2025/06/24
Task-2	Visualizing & Analyzing Data	Read the dataset	Medium	Shravan	2025/06/24	2025/06/24
Task-2	Visualizing & Analyzing Data	Correlation analysis	High	Shravan	2025/06/24	2025/06/24
Task-2	Visualizing & Analyzing Data	Descriptive analysis	Medium	Shravan	2025/06/24	2025/06/24

<b>Task</b>	<b>Functional Requirement (Epic)</b>	<b>User Story / Task</b>	<b>Priority</b>	<b>Team Members</b>	<b>Task Start Date</b>	<b>Task End Date (Planned)</b>
Task-3	Data Pre-processing	Checking for null values	High	Shravan	2025/06/24	2025/06/24
Task-3	Data Pre-processing	Handling date and department column	Medium	Shravan	2025/06/24	2025/06/24
Task-3	Data Pre-processing	Handling categorical values	High	Shravan	2025/06/24	2025/06/24
Task-3	Data Pre-processing	Splitting data into train and test	High	Shravan	2025/06/24	2025/06/24
Task-4	Model Building	Linear Regression model	Low	Shravan	2025/06/24	2025/06/24
Task-4	Model Building	Random Forest model	High	Shravan	2025/06/24	2025/06/24
Task-4	Model Building	XgBoost model	Medium	Shravan	2025/06/24	2025/06/24
Task-5	Application Building	Building HTML pages	High	Shravan	2025/06/24	2025/06/24
Task-5	Application Building	Build Python (Flask) code	High	Shravan	2025/06/24	2025/06/24
Task-5	Application Building	Run the application	Medium	Shravan	2025/06/24	2025/06/24
Task-5	Application Building	Check output and functionality	High	Shravan	2025/06/24	2025/06/24
Task-6	Project Report	Write and format final report	High	Shravan	2025/06/24	2025/06/24

## Screenshot:

The screenshot displays the Smart Internz Student Skill Wallet interface. The browser address bar shows the URL `skillwallet.smartinternz.com/Student/guided_project_workspace/27925`. The left sidebar contains navigation links: Profile, Skill Bank, Skill Wallet (highlighted), Skill Card, Job Board, Subscription, and Transactions. The main content area features a Kanban board titled "DATA COLLECTION" with four columns: BACKLOG, IN-PROGRESS, REVIEW, and COMPLETE. A task card labeled "TSK-306554" is currently in the IN-PROGRESS column, showing a "Download The Dataset" button and a progress bar at 90%. Below the Kanban board, there are sections for "VISUALIZING AND ANALYZING THE DATA", "DATA PRE-PROCESSING", and "MODEL BUILDING". The top right of the interface shows "AVAILABLE: 0" with a coin icon, a notification bell, and a settings gear. The Windows taskbar at the bottom indicates a temperature of 78°F, a search bar, and the date/time 10:17 AM on 6/26/2025.

Smart Internz

AVAILABLE: 0

Profile

Skill Bank

Skill Wallet

Skill Card

Job Board

Subscription

Transactions

DATA COLLECTION

BACKLOG	IN-PROGRESS	REVIEW	COMPLETE
	<div>TSK-306554</div> <div>Download The Dataset</div> <div>Progress(%): 90</div> <div>Comment</div>		

VISUALIZING AND ANALYZING THE DATA

DATA PRE-PROCESSING

MODEL BUILDING

78°F Mostly cloudy

Search web & PC

ENG IN

10:17 AM 6/26/2025

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SmartInternz

AVAILABLE: 0

Profile

Skill Bank

Skill Wallet

Skill Card

Job Board

Subscription

Transactions

DATA COLLECTION

VISUALIZING AND ANALYZING THE DATA

Progress(%):90

Comment

TSK-306557

Correlation Analysis

Progress(%):90

Comment

TSK-306558

Descriptive Analysis

Progress(%):90

Comment

DATA PRE-PROCESSING

MODEL BUILDING

78°F  
Mostly cloudy

Search web & PC

ENG  
IN

10:17 AM  
6/26/2025

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SmartInternz

AVAILABLE: 0

Profile

Skill Bank

Skill Wallet

Skill Card

Job Board

Subscription

Transactions

DATA COLLECTION

VISUALIZING AND ANALYZING THE DATA

DATA PRE-PROCESSING

TSK-306561

Handling Categorical Values

Progress(%):90

TSK-306562

Splitting Data Into Train And Test

Progress(%):90

MODEL BUILDING

78°F  
Mostly cloudy

Search web & PC

ENG  
IN

10:17 AM  
6/26/2025

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DATA PRE-PROCESSING

MODEL BUILDING

Progress(%)90Comment

TSK-306566Compare The ModelProgress(%)90Comment

TSK-306567Evaluating Performance Of The Model And Saving The ModelProgress(%)90Comment

APPLICATION BUILDING

78°F  
Mostly cloudy

Search web & PC

ENG  
IN

10:17 AM  
6/26/2025

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SmartInternz

AVAILABLE: 0

Profile

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Job Board

Subscription

Transactions

DATA PRE-PROCESSING

MODEL BUILDING

APPLICATION BUILDING

TSK-306570

Run The Application

Progress(%):90

Comment

TSK-306571

Output

Progress(%):90

Comment

78°F  
Mostly cloudy

Search web & PC

ENG  
IN

10:17 AM  
6/26/2025







