

## Initial Project Planning Report

Date	24 June 2025
Team ID	SWUID20250176209
Project Name	Machine Learning Approach for Employee Performance Prediction
Maximum Marks	4 Marks

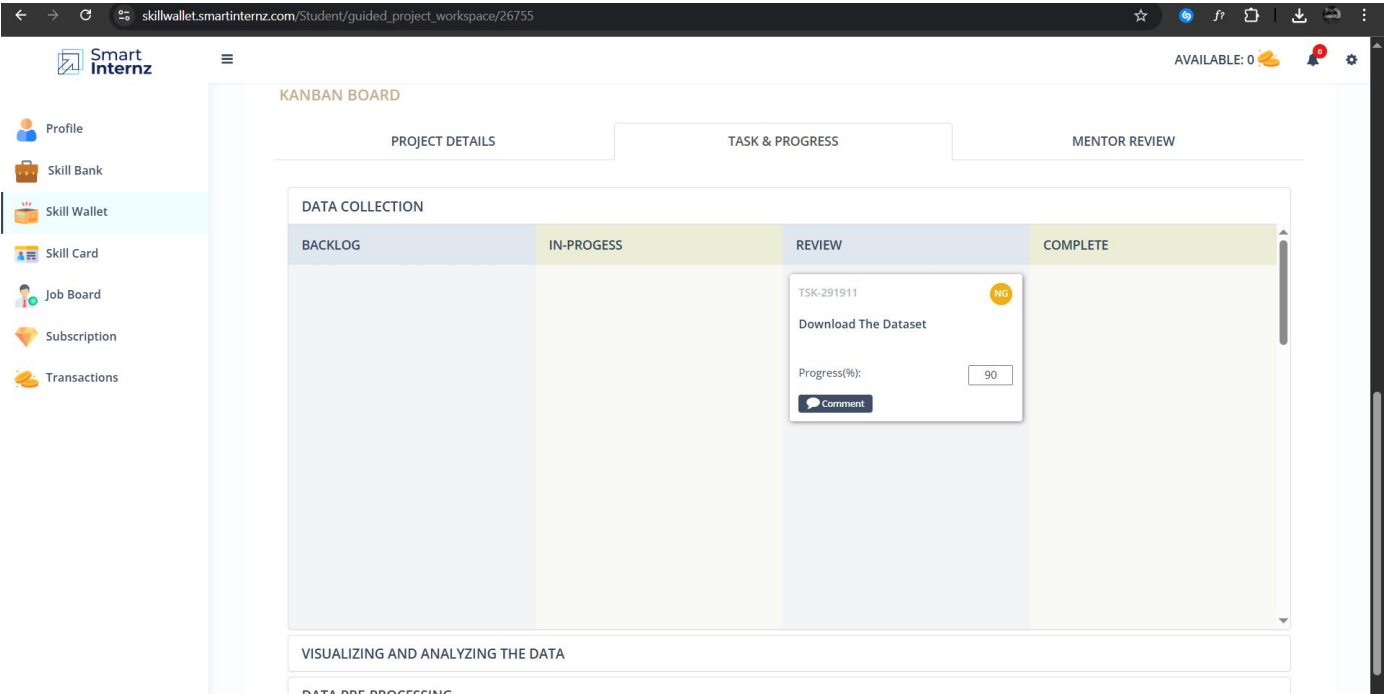
### Product Backlog, Task Schedule, and Estimation

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	Nischoy	2025/06/16	2025/06/16
Task-2	Visualizing & Analyzing Data	Importing the libraries	Medium	Nischoy	2025/06/16	2025/06/16
Task-2	Visualizing & Analyzing Data	Read the dataset	Medium	Nischoy	2025/06/16	2025/06/16
Task-2	Visualizing & Analyzing Data	Correlation analysis	High	Nischoy	2025/06/16	2025/06/16
Task-2	Visualizing & Analyzing Data	Descriptive analysis	Medium	Nischoy	2025/06/16	2025/06/16

Task	Functional Requirement (Epic)	User Story / Task	Priority	Team Members	Task Start Date	Task End Date (Planned)
Task-3	Data Pre-processing	Checking for null values	High	Nischoy	2025/06/16	2025/06/16
Task-3	Data Pre-processing	Handling date and department column	Medium	Nischoy	2025/06/16	2025/06/16
Task-3	Data Pre-processing	Handling categorical values	High	Nischoy	2025/06/16	2025/06/16
Task-3	Data Pre-processing	Splitting data into train and test	High	Nischoy	2025/06/16	2025/06/16
Task-4	Model Building	Linear Regression model	Low	Nischoy	2025/06/17	2025/06/18
Task-4	Model Building	Random Forest model	High	Nischoy	2025/06/18	2025/06/19
Task-4	Model Building	XgBoost model	Medium	Nischoy	2025/06/19	2025/06/20
Task-5	Application Building	Building HTML pages	High	Nischoy	2025/06/21	2025/06/22
Task-5	Application Building	Build Python (Flask) code	High	Nischoy	2025/06/22	2025/06/22
Task-5	Application Building	Run the application	Medium	Nischoy	2025/06/22	2025/06/22
Task-5	Application Building	Check output and functionality	High	Nischoy	2025/06/22	2025/06/22
Task-6	Project Report	Write and format final report	High	Nischoy	2025/06/23	2025/06/25

Screenshot:



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Smart Internz

AVAILABLE: 0

PROJECT DETAILS TASK & PROGRESS MENTOR REVIEW

DATA COLLECTION

VISUALIZING AND ANALYZING THE DATA

BACKLOG	IN-PROGRESS	REVIEW	COMPLETE
		<div><div>TSK-291912</div><div>Importing The Libraries</div><div>Progress(%): 90</div><div>Comment</div></div>	
		<div><div>TSK-291913</div><div>Read The Dataset</div><div>Progress(%): 90</div><div>Comment</div></div>	
		<div><div>TSK-291914</div><div></div><div></div><div></div></div>	

DATA PRE-PROCESSING

MODEL BUILDING

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PROJECT DETAILS TASK & PROGRESS MENTOR REVIEW

DATA COLLECTION

VISUALIZING AND ANALYZING THE DATA

		<div><div>Read The Dataset</div><div>Progress(%): 90</div><div>Comment</div></div>	
		<div><div>TSK-291914</div><div>Correlation Analysis</div><div>Progress(%): 90</div><div>Comment</div></div>	
		<div><div>TSK-291915</div><div>Descriptive Analysis</div><div>Progress(%): 90</div><div></div></div>	

DATA PRE-PROCESSING

MODEL BUILDING

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Profile

Skill Bank

Skill Wallet

Skill Card

Job Board

Subscription

Transactions

PROJECT DETAILS

TASK & PROGRESS

MENTOR REVIEW

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DATA PRE-PROCESSING

BACKLOG

IN-PROGRESS

REVIEW

COMPLETE

TSK-291916

Checking For Null Values

Progress(%): 90

Comment

TSK-291917

Handling Date & Department Column

Progress(%): 90

Comment

TSK-291918

MODEL BUILDING

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MODEL BUILDING

Handling Date & Department Column

Progress(%): 90

Comment

TSK-291918

Handling Categorical Values

Progress(%): 90

Comment

TSK-291919

Splitting Data Into Train And Test

Progress(%): 90

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DATA COLLECTION

VISUALIZING AND ANALYZING THE DATA

DATA PRE-PROCESSING

MODEL BUILDING

TSK-291920

Linear Regression Model

Progress(%): 90

Comment

TSK-291921

Random Forest Model

Progress(%): 90

Comment

TSK-291922

Xgboost Model

APPLICATION BUILDING

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DATA COLLECTION

VISUALIZING AND ANALYZING THE DATA

DATA PRE-PROCESSING

MODEL BUILDING

APPLICATION BUILDING

BACKLOG	IN-PROGRESS	REVIEW	COMPLETE
		<p>TSK-291925</p> <p>Building Html Pages</p> <p>Progress(%): 90</p> <p>Comment</p>	
		<p>TSK-291926</p> <p>Build Python Code</p> <p>Progress(%): 90</p> <p>Comment</p>	
		<p>TSK-291927</p>	