

Initial Project Planning Report

Date	24 June 2025
Team ID	SWUID20250176341
Project Name	Machine Learning Approach for Employee Performance Prediction
Maximum Marks	4 Marks

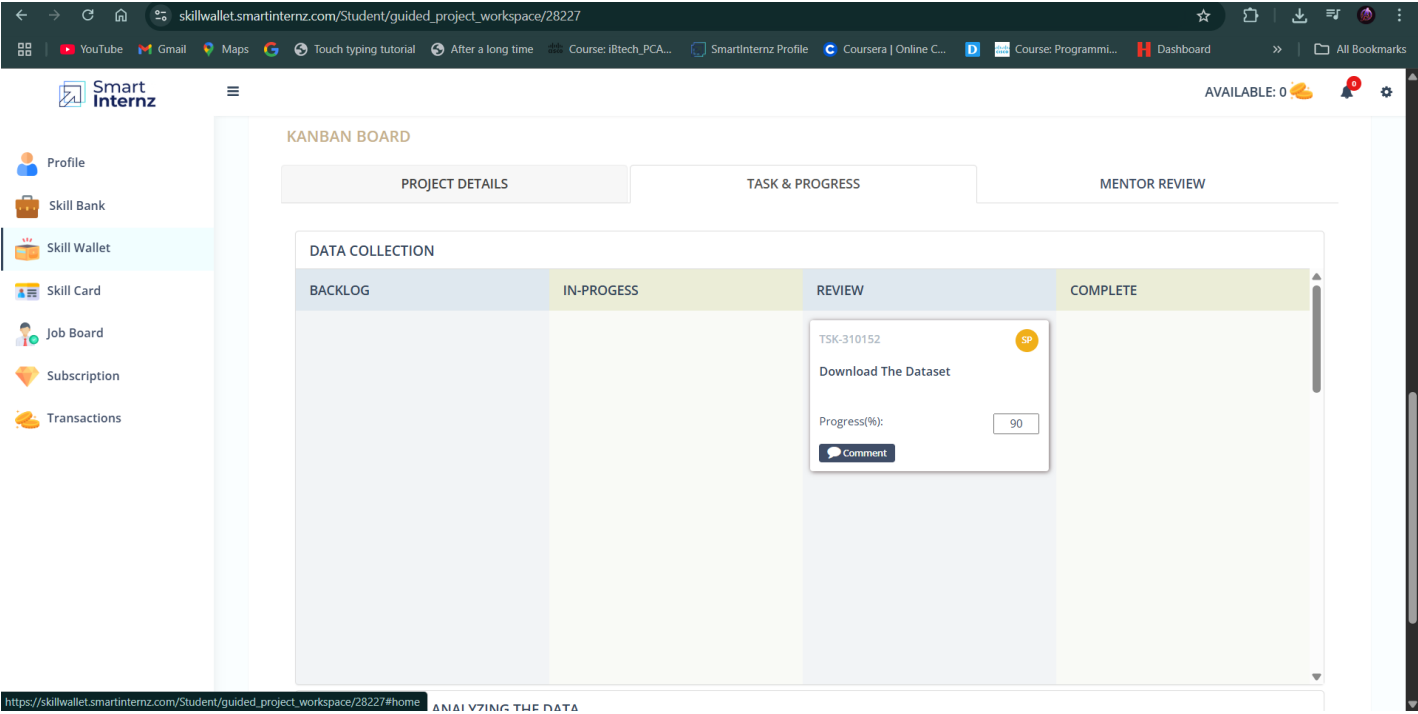
Product Backlog, Task Schedule, and Estimation

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	Swayam	2025/06/24	2025/06/24
Task-2	Visualizing & Analyzing Data	Importing the libraries	Medium	Swayam	2025/06/24	2025/06/24
Task-2	Visualizing & Analyzing Data	Read the dataset	Medium	Swayam	2025/06/24	2025/06/24
Task-2	Visualizing & Analyzing Data	Correlation analysis	High	Swayam	2025/06/24	2025/06/24
Task-2	Visualizing & Analyzing Data	Descriptive analysis	Medium	Swayam	2025/06/24	2025/06/24

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	Swayam	2025/06/24	2025/06/24
Task-3	Data Pre-processing	Handling date and department column	Medium	Swayam	2025/06/24	2025/06/24
Task-3	Data Pre-processing	Handling categorical values	High	Swayam	2025/06/24	2025/06/24
Task-3	Data Pre-processing	Splitting data into train and test	High	Swayam	2025/06/24	2025/06/24
Task-4	Model Building	Linear Regression model	Low	Swayam	2025/06/24	2025/06/24
Task-4	Model Building	Random Forest model	High	Swayam	2025/06/24	2025/06/24
Task-4	Model Building	XgBoost model	Medium	Swayam	2025/06/24	2025/06/24
Task-5	Application Building	Building HTML pages	High	Swayam	2025/06/24	2025/06/24
Task-5	Application Building	Build Python (Flask) code	High	Swayam	2025/06/24	2025/06/24
Task-5	Application Building	Run the application	Medium	Swayam	2025/06/24	2025/06/24
Task-5	Application Building	Check output and functionality	High	Swayam	2025/06/24	2025/06/24
Task-6	Project Report	Write and format final report	High	Swayam	2025/06/24	2025/06/24

Screenshot:



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DATA COLLECTION

VISUALIZING AND ANALYZING THE DATA

BACKLOG	IN-PROGRESS	REVIEW	COMPLETE
		<div>TSK-310153</div> <div>Importing The Libraries</div> <div>Progress(%): 90</div> <div>Comment</div>	
		<div>TSK-310154</div> <div>Read The Dataset</div> <div>Progress(%): 90</div> <div>Comment</div>	
		<div>TSK-310155</div>	

DATA PRE-PROCESSING

MODEL BUILDING

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DATA COLLECTION

VISUALIZING AND ANALYZING THE DATA

		<div>TSK-310155</div> <div>Correlation Analysis</div> <div>Progress(%): 90</div> <div>Comment</div>	
		<div>TSK-310156</div> <div>Descriptive Analysis</div> <div>Progress(%): 90</div> <div>Comment</div>	

DATA PRE-PROCESSING

MODEL BUILDING

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DATA PRE-PROCESSING

MODEL BUILDING

BACKLOG	IN-PROGRESS	REVIEW	COMPLETE
		<div>TSK-310161</div> <div>Linear Regression Model</div> <div>Progress(%): 90</div> <div>Comment</div>	
		<div>TSK-310162</div> <div>Random Forest Model</div> <div>Progress(%): 90</div> <div>Comment</div>	
		<div>TSK-310163</div>	

APPLICATION BUILDING

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DATA PRE-PROCESSING

MODEL BUILDING

		<div>TSK-310163</div> <div>Xgboost Model</div> <div>Progress(%): 90</div> <div>Comment</div>	
		<div>TSK-310164</div> <div>Compare The Model</div> <div>Progress(%): 90</div> <div>Comment</div>	
		<div>TSK-310165</div> <div>Evaluating Performance Of The Model And Saving The Model</div>	

APPLICATION BUILDING

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DATA PRE-PROCESSING

MODEL BUILDING

APPLICATION BUILDING

BACKLOG	IN-PROGRESS	REVIEW	COMPLETE
		<div>TSK-310166</div> <div>Building Html Pages</div> <div>Progress(%): 90</div> <div>Comment</div>	
		<div>TSK-310167</div> <div>Build Python Code</div> <div>Progress(%): 90</div> <div>Comment</div>	
		<div>TSK-310168</div>	

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DATA PRE-PROCESSING

MODEL BUILDING

APPLICATION BUILDING

		<div>TSK-310168</div> <div>Run The Application</div> <div>Progress(%): 90</div> <div>Comment</div>	
		<div>TSK-310169</div> <div>Output</div> <div>Progress(%): 90</div> <div>Comment</div>	