

Project Initialization and Planning Phase

Date	24 June 2025
Team ID	SWUID20250176345
Project Name	Machine Learning Approach for Employee Performance Prediction
Maximum Marks	3 Marks

Define Problem Statements (Customer Problem Statement Template):

Organizations often struggle to accurately evaluate and predict employee performance, especially in data-driven environments like manufacturing. Manual assessments are prone to bias and inefficiency, impacting workforce planning and productivity. This project aims to solve that problem by developing a machine learning model that can analyze key employee data and predict productivity levels, enabling more informed HR decisions and optimized resource allocation. Organizations often struggle to accurately evaluate and predict employee performance, especially in data-driven environments like manufacturing. Manual assessments are prone to bias and inefficiency, impacting workforce planning and productivity. This project aims to solve that problem by developing a machine learning model that can analyze key employee data and predict productivity levels, enabling more informed HR decisions and optimized resource allocation.

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-4	An HR manager or team leader	Assess employee performance accurately	Manual evaluations are inconsistent and time-consuming	I need to make data-driven decisions	Certain about performance outcomes