

Project Initialization and Planning Phase

Date	11 July 2024
Team ID	SWTID1720178802
Project Name	Garment worker productivity prediction
Maximum Marks	3 Marks

Define Problem Statements (Customer Problem Statement Template):

Maintaining high workforce productivity is crucial for a company's success and sustainability in the competitive and fast-paced garment industry. Low workforce productivity can have several effects, including reduced profitability, increased workplace conflict, high employee turnover, and a general lack of motivation among staff. To address these challenges, a garment company needs to develop a prediction system for tracking, predicting, and enhancing productivity levels.

Current methods for monitoring productivity often fall short in providing actionable insights. The inability to accurately predict productivity trends can lead to inefficiencies in production planning, missed deadlines, and ultimately, a loss of competitive edge in the market. Additionally, the factors influencing productivity are multifaceted, including employee skill levels, work environment, management practices, and market conditions. Understanding these factors in depth and their interrelationships is crucial for devising effective strategies to boost productivity.

I am	I'm trying to	But	Because	Which makes me feel
A garment factory manager	predict garment worker productivity	I feel there are a variety of different factors that lead to reduced profitability, increased conflict, high employee turnover, and a lack of motivation.	of Low workforce productivity in the company.	It is important for me to be able to track and predict the company's levels of productivity and investigate the factors that influence it.

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	A garment factory manager	predict garment worker productivity	I feel there are a variety of different factors that lead to reduced profitability, increased conflict, high employee turnover, and	of Low workforce productivity in the company.	It is important for me to be able to track and predict the company's levels of productivity and investigate the factors that influence it.

			a lack of motivation.		
PS-2	The manager of a garment manufacturing company	Ensure that our production department operates at maximum efficiency and productivity	We frequently experience delays, lower-than-expected output, and high employee turnover	We lack accurate tools to predict productivity trends and understand the underlying factors affecting our workforce's performance	Frustrated and concerned about our ability to meet production targets, maintain profitability, and retain our skilled workers