

## Project Initialization and Planning Phase

Date	15 March 2024
Team ID	SWTID1720108643
Project Name	Garment Worker Productivity Problem
Maximum Marks	3 Marks

### Define Problem Statements (Customer Problem Statement Template):

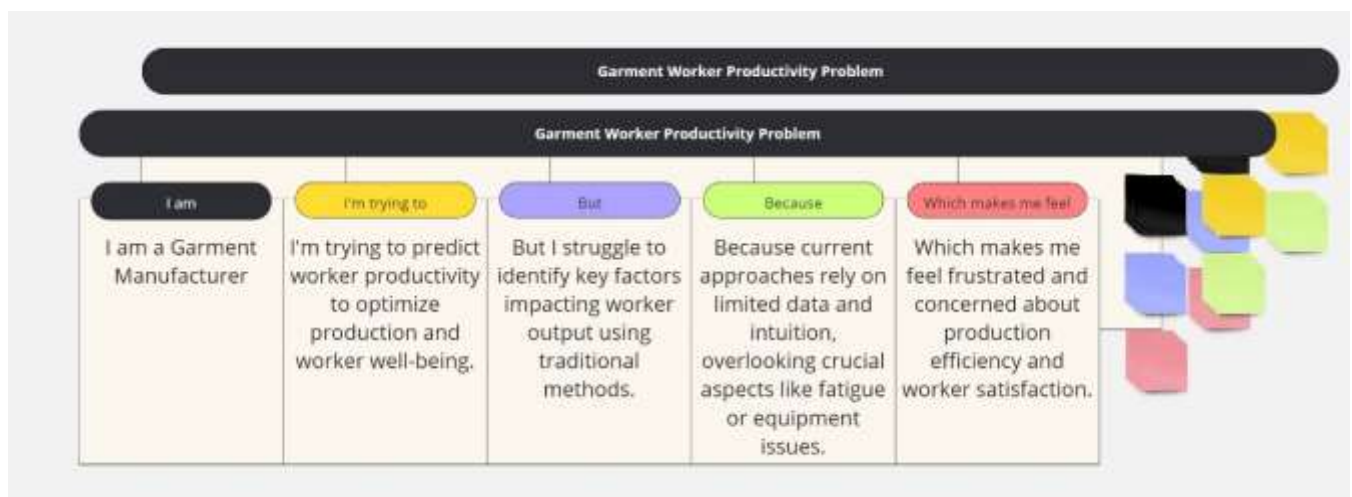
Garment manufacturers struggle to accurately predict and optimize worker productivity. Traditional methods rely on intuition or basic metrics, often overlooking key factors that influence worker output. This results in:

- **Unidentified factors:** Missed influence of factors like fatigue, lighting, or equipment issues on worker performance.
- **Suboptimal working conditions:** Difficulty in identifying areas for improvement in working environments, incentive structures, and training programs based on concrete data.
- **Inefficient workforce management:** Inability to accurately predict worker productivity, leading to underutilized worker potential or production delays due to inadequate resource allocation.

**Impact:** These challenges lead to decreased worker well-being, lower production efficiency, and ultimately, reduced profitability for garment manufacturers.

**Desired Outcome:** Garment manufacturers desire a data-driven approach to managing worker productivity. They want a solution that can:

- Identify key factors impacting worker output.
- Optimize working environments and incentive structures to improve worker well-being and job satisfaction.
- Accurately predict worker productivity to maximize efficiency and minimize production delays.



<b>Problem Statement (PS)</b>	<b>I am (Customer)</b>	<b>I'm trying to</b>	<b>But</b>	<b>Because</b>	<b>Which makes me feel</b>
1. No efficiency in performance of the factory workers and unable to identify the issue	Garment Manufacturer	Predict worker productivity to optimize production and worker well-being.	I struggle to identify key factors impacting worker output using traditional methods.	Current approaches rely on limited data and intuition, overlooking crucial aspects like fatigue or equipment issues.	About production efficiency and worker satisfaction.
2. Reaching goals by the month	Garment Factory manager.	Optimize both production efficiency and worker well-being by accurately predicting worker productivity.	My current methods, which rely on intuition and basic metrics, fail to identify key factors that truly affect worker output.	These traditional approaches lack access to comprehensive data, they often overlook crucial aspects like worker fatigue, lighting conditions, or equipment malfunctions.	Meeting production goals while also ensuring a positive and productive work environment for my team.