

## Project Initialisation and Planning Phase

|               |  |
|---------------|--|
| Date          | 5th July 2024                            |
| Team ID       | 739719                                   |
| Project Name  | Garment Workers Productivity Predictions |
| Maximum Marks | 3 Marks                                  |

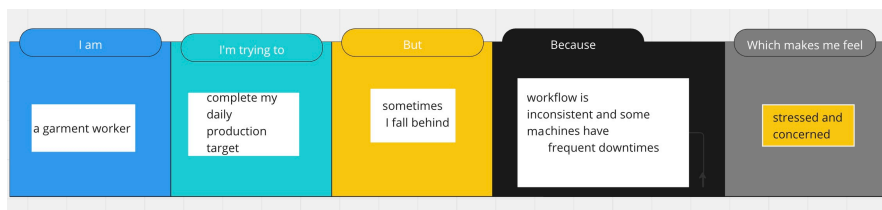
### Define Problem Statements (Customer Problem Statement Template):

To develop a predictive model that accurately forecasts the productivity of garment workers based on various factors, aiming to optimise manufacturing efficiency and resource utilisation."

|                            |   |
|----------------------------|---|
| <b>Problem:</b>            | The current inventory management system is inefficient and prone to errors, leading to frequent stockouts and excess inventory.         |
| <b>Impact:</b>             | This inefficiency results in lost sales opportunities due to stockouts and ties up capital in excess inventory, impacting cash flow.    |
| <b>Needs:</b>              | We need a reliable inventory management solution that ensures accurate stock levels and improves order fulfillment.                     |
| <b>Desired Outcome:</b>    | Increase sales revenue by reducing stockouts, optimize inventory levels to minimize excess, and improve overall operational efficiency. |
| <b>Constraints:</b>        | Limited budget for implementing a new system and integration with existing software platforms.  |
| <b>Metrics of Success:</b> | Achieve a 20% reduction in stockouts, decrease excess inventory levels by 15%, and improve order fulfillment accuracy to 98%.           |

Reference: <https://miro.com/templates/customer-problem-statement/>

### Example:



| <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>                               |
|-------------------------------|---------------------------|---|---|--|--|
| PS-1                          | A garment factory manager | Accurately predict worker productivity    | The current prediction model is not precise | It doesn't account for all variables like worker skill levels and machine downtime | Frustrated and unable to optimise Production schedule    |
| PS-2                          | An operations manager     | Improve overall efficiency in the factory | Productivity Predictions are often delayed  | Data collection and processing take too long                                       | Concerned about meeting production targets and deadlines |