

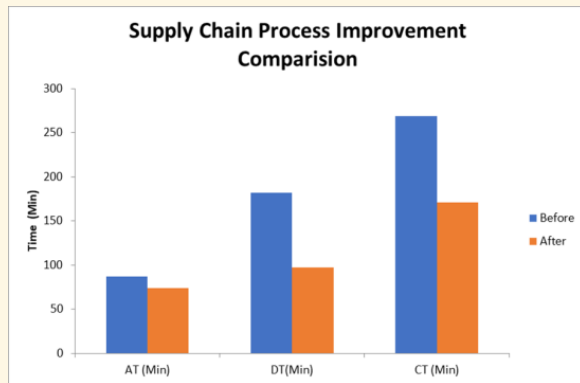
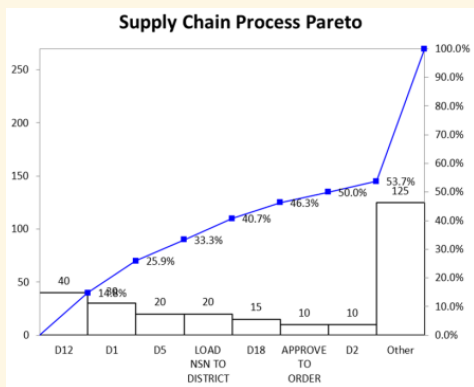
# Supply Chain Process Analysis

**37%**  
Improvement

## ANALYSIS

**Problem Statement:** In 2019, within an XYZ corporation, it has been identified that the supply chain process is taking approximately xx min (on an average) per transaction. This includes 70% delay in the process and costing the organisation circa 1million min per year. This has affected the amount of time its taking to deliver the required item to end customer, hence affecting our profitability. The goal is to improve the profit by 20%...

### 1. Problem Area Chart- showing delays within the process and process steps



### 2. Improvement in DT and CT within the process

$$\text{Cycle Time (CT)} = \text{Activity Time (AT)} + \text{Delay Time (DT)}$$

## SUMMARY

With the new process, it has been identified that the DT within the process was improved approximately to 37%. Reduction in DT was achieved by eliminating D12, D1, D5 and D18. The delays are: D12-Delay Between MHE Available and Stores Collect, D1-Delay between requisition and approve to order, D5-Delay between research spare part no and loading, and D18-Delay between storing item and informing customer to collect. It is recommended that the above changes should be implemented IOT improve the Supply Chain process.