

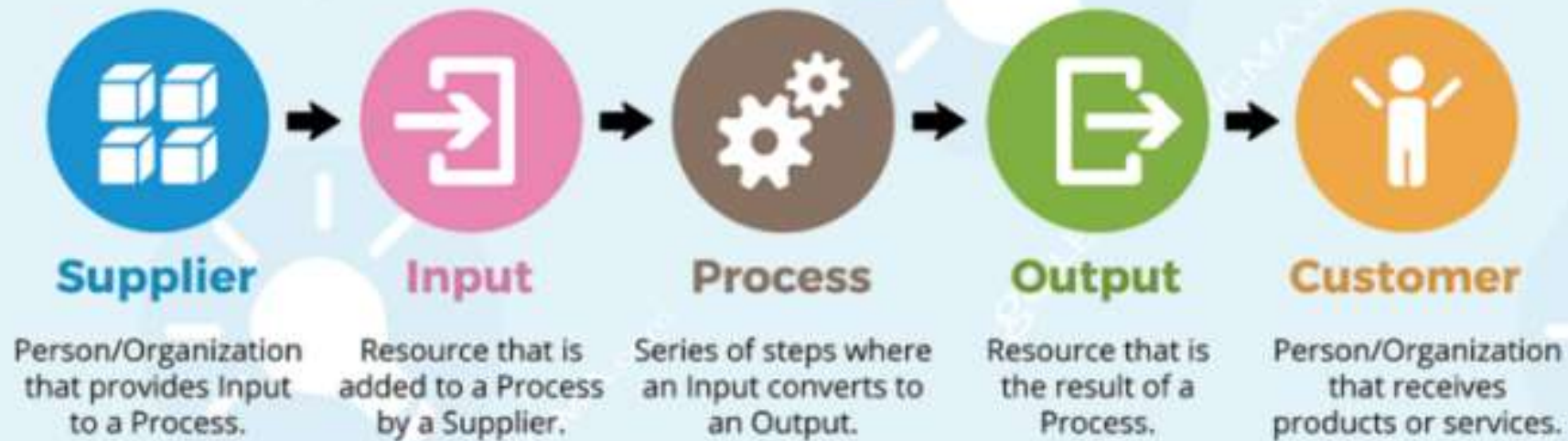
THE SCOPE OF TOOLS AND TECHNIQUES

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TOPIC



A SIPOC is a high-level view of a process.
It stands for Suppliers, Inputs, Process, Outputs, and Customers:





WHAT IS A SIPOC?

A SIPOC is a high-level view of a process which stands for

- Suppliers
- Inputs
- Process
- Outputs
- Customers

Every Process starts with Suppliers who provide Inputs to the Process which results in an Output that is delivered to Customers

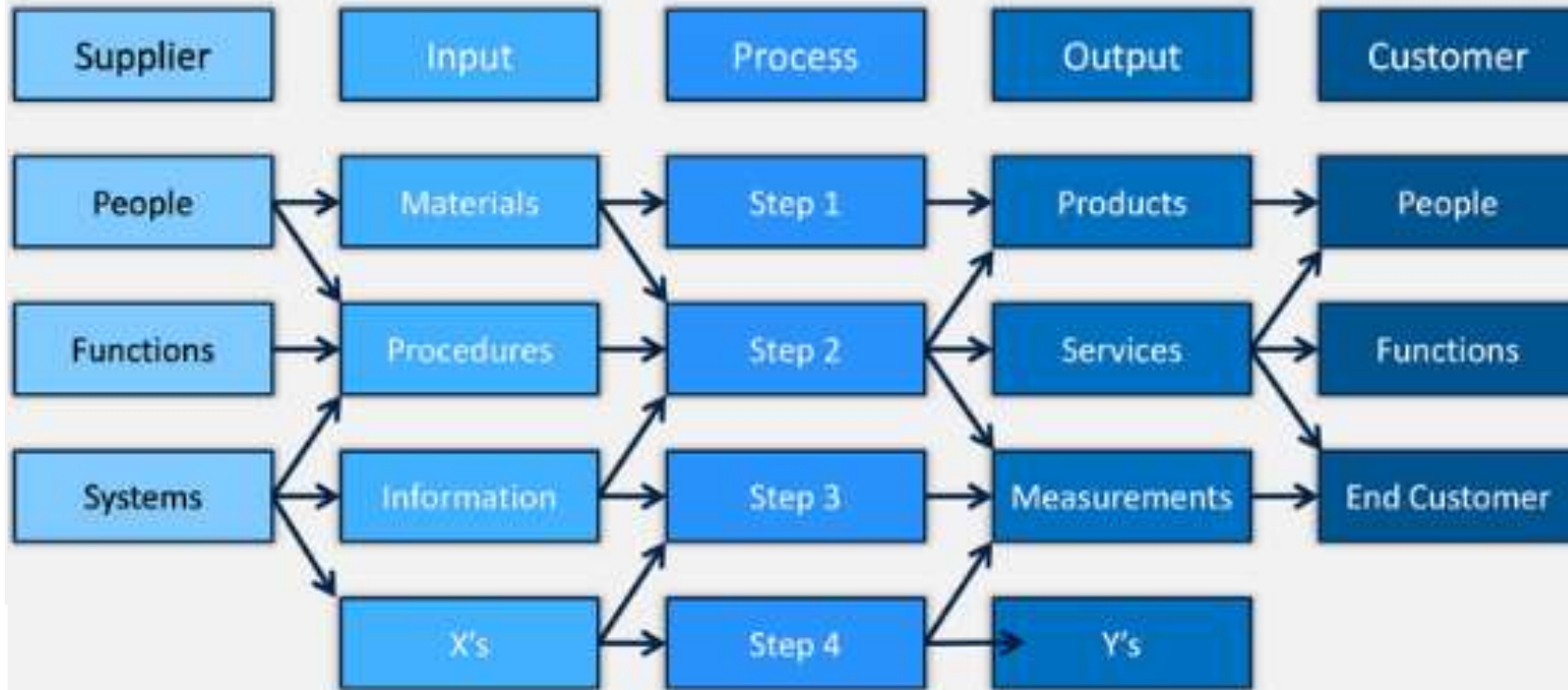
EXAMPLE

VSM Diagram

Supplier(s)	Inputs	Process	Outputs	Customer
Husband Supermarket	Teabag Kettle Electricity Water Milk Cup	<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">Add water to Kettle</div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">Put kettle onto boil</div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">Add tea bag to cup</div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">Add milk to cup</div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">Pour boiling water into cup</div> <div style="border: 1px solid black; padding: 5px;">Remove teabag from cup and serve</div>	Cup of Tea Used teabag	Wife

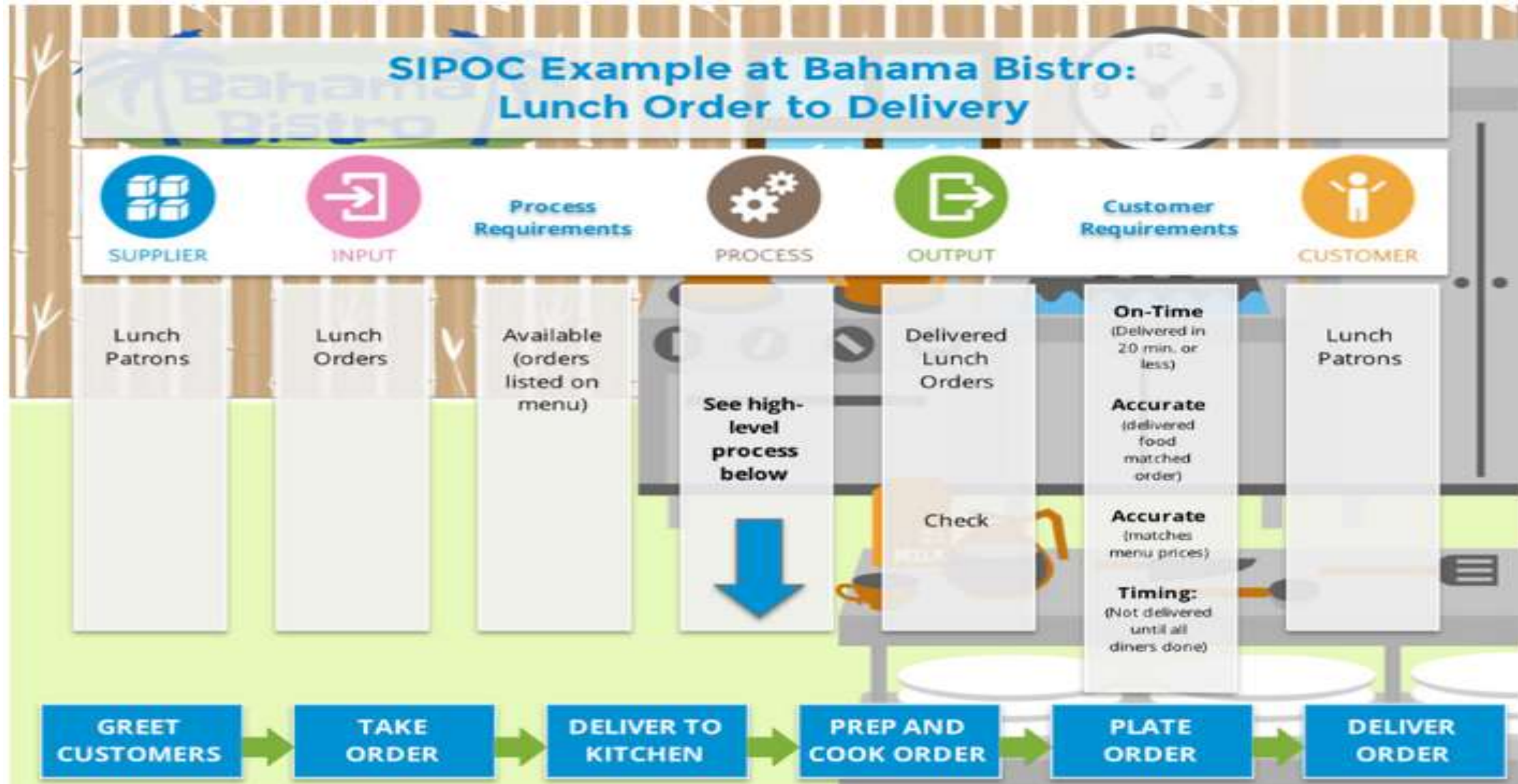
ACTIVITY

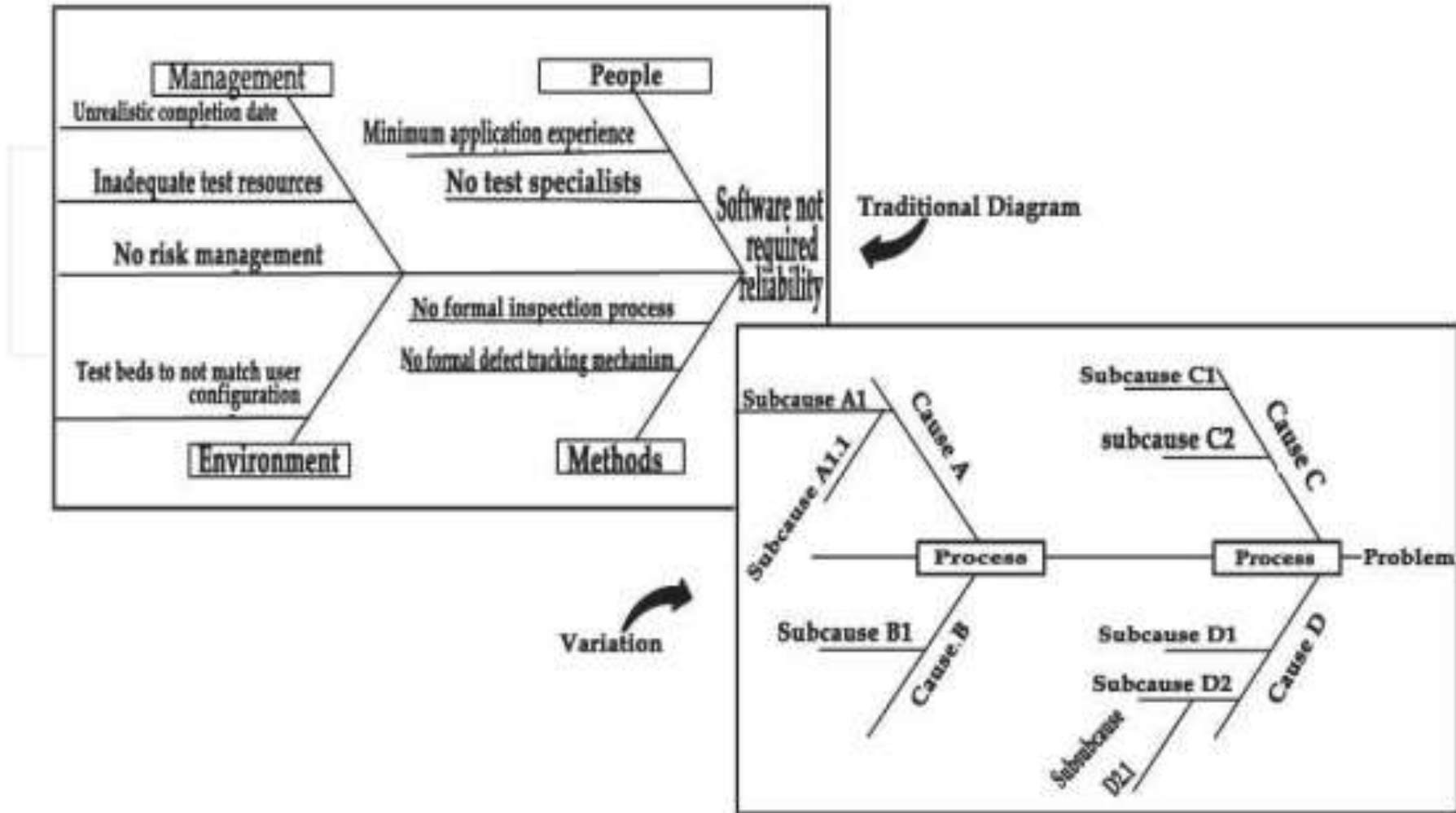
The SIPOC Process Map



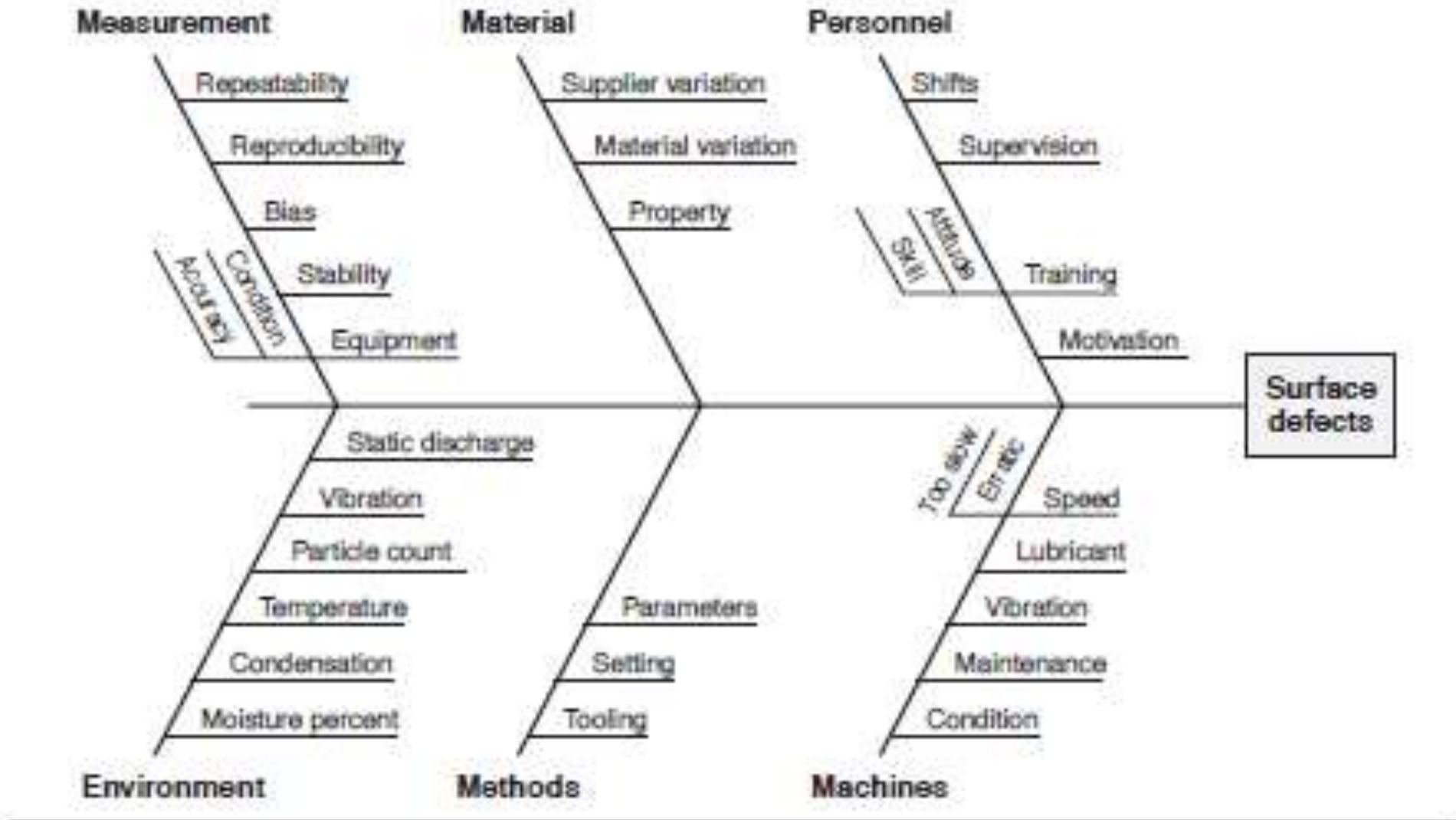
Input
Materials
Procedure
Products
Services
Functions
People
Measurement
Information
End Customers

EXAMPLE OF A SIPOC



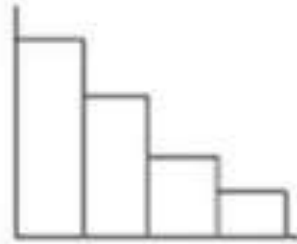


6. Cause and Effect Diagram





BRAIN STORMING



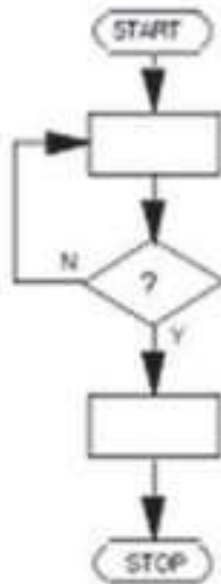
PARETO CHART



FISHBONE DIAGRAM



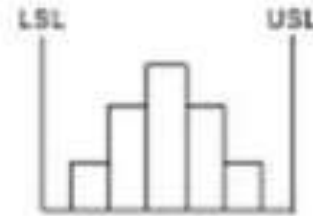
SCATTER DIAGRAM



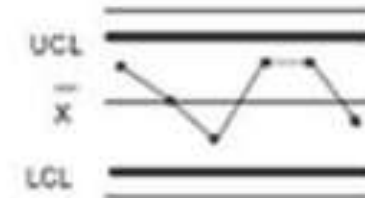
FLOW CHART



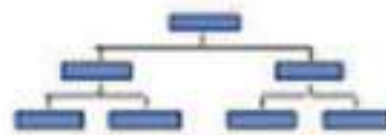
RUN CHART



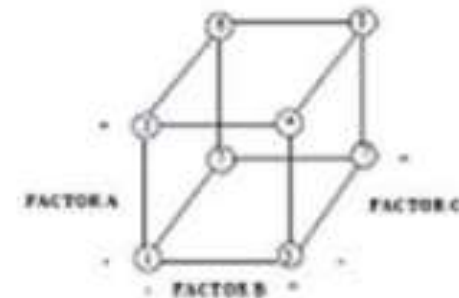
HISTOGRAM



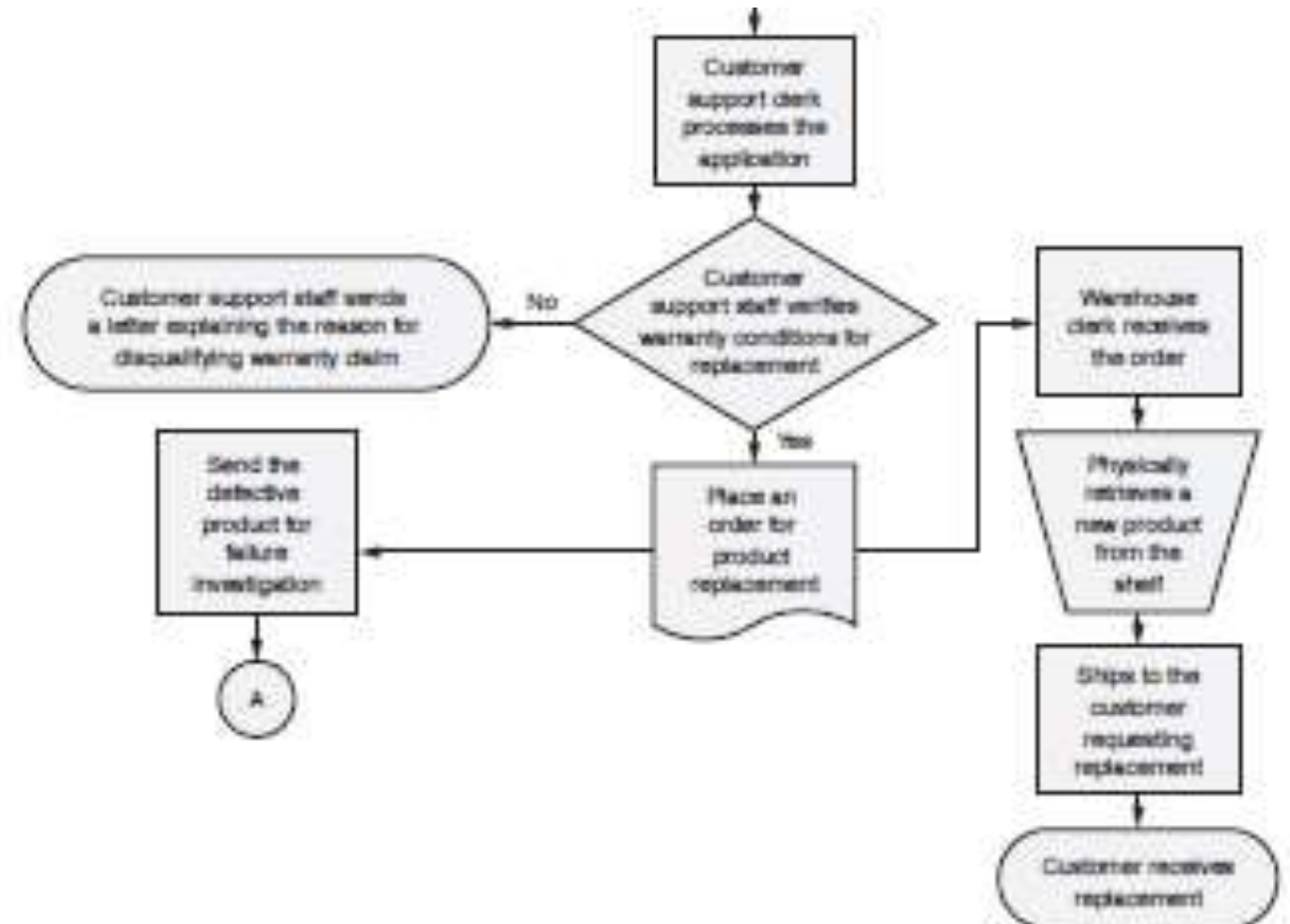
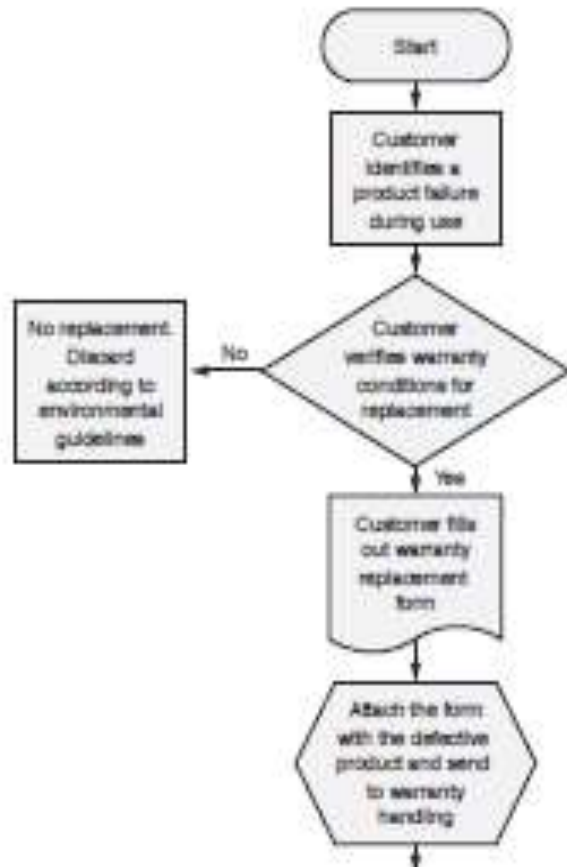
CONTROL CHARTS



TREE DIAGRAM



DESIGN OF EXPERIMENTS





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2. <https://goleansixsigma.com/sipoc/>
3. **What is Lean Six Sigma** By Michael L. George, David T. Rowlands, Bill Kastle



THANK YOU