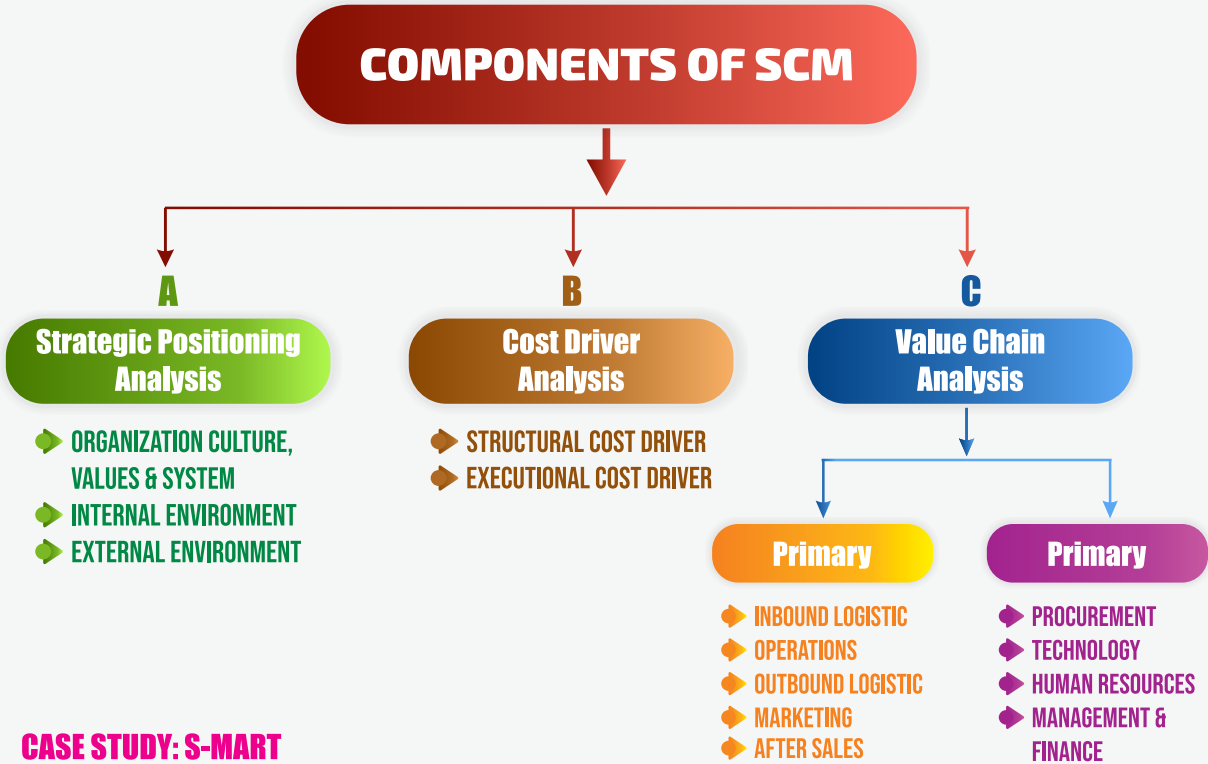
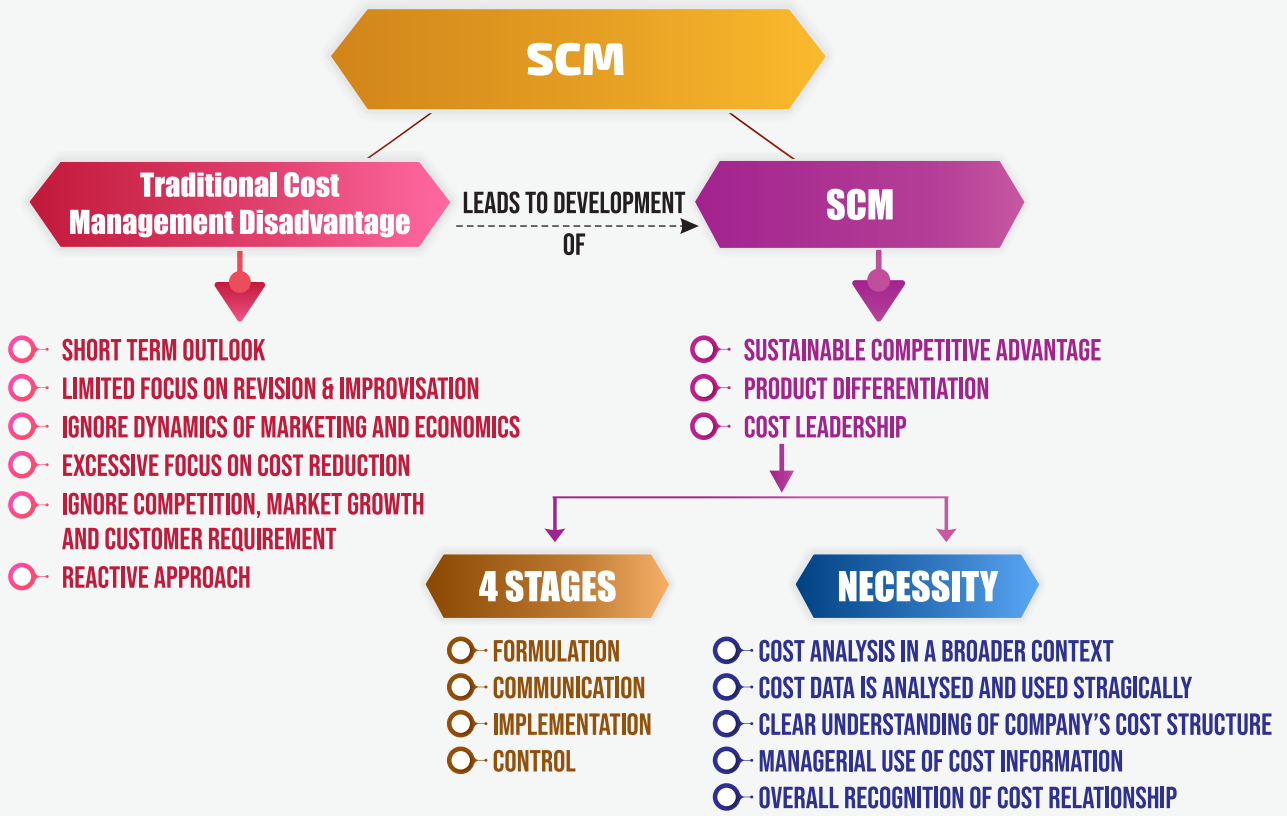
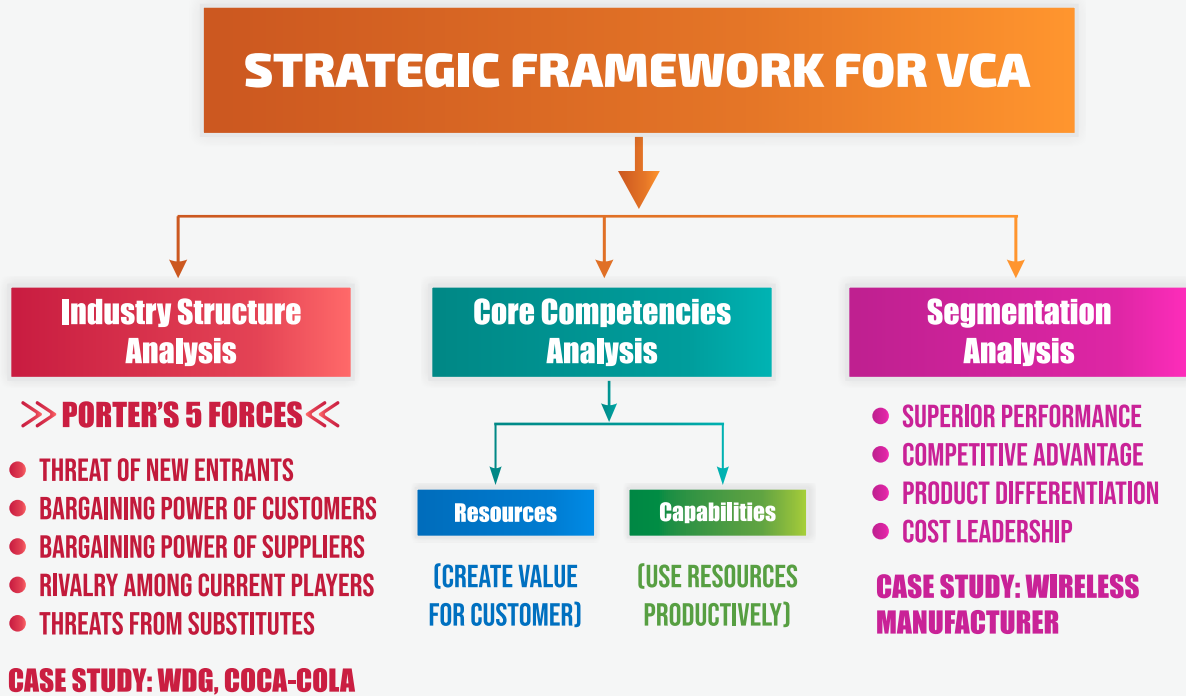


Chapter Summary

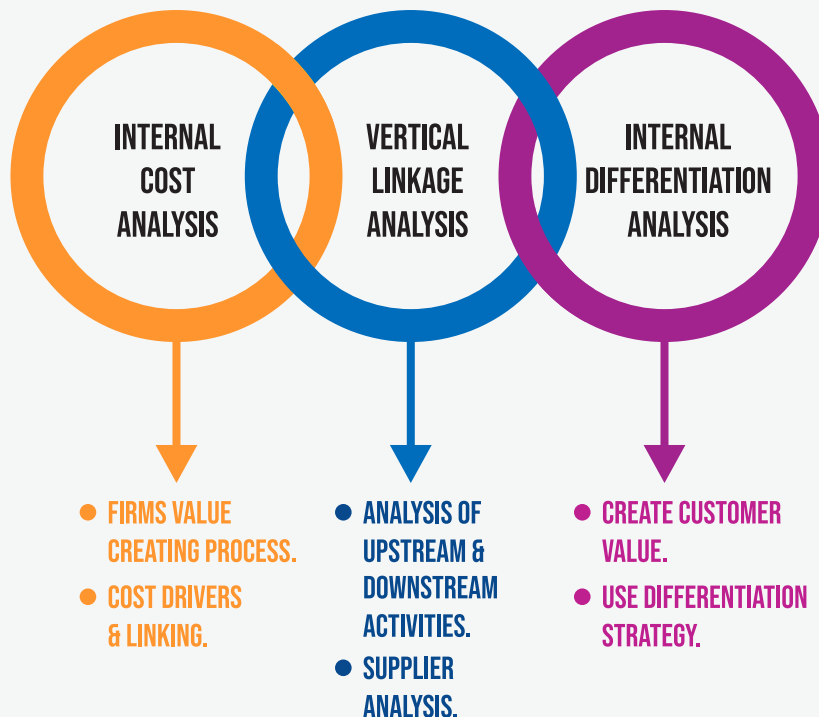


CASE STUDY: S-MART

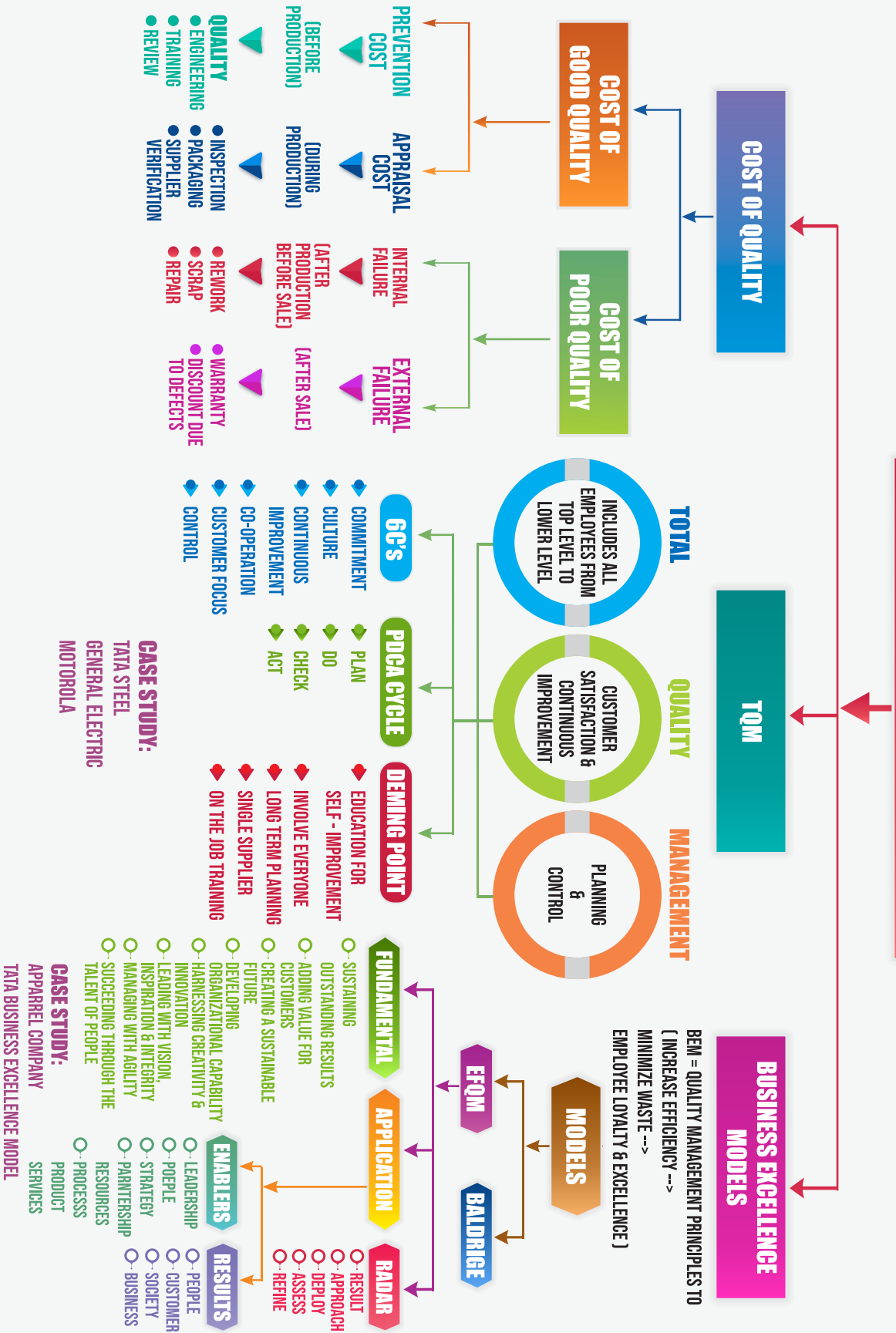
2



VCA FOR COMPETITIVE ADVANTAGE

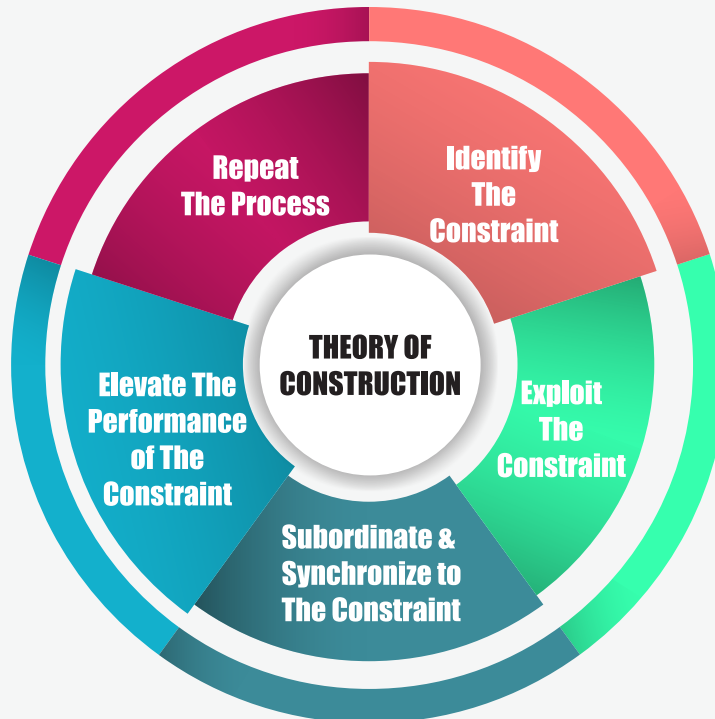


QUALITY MANAGEMENT



THEORY OF CONSTRAINTS (TOC)

5 Step Diagram



SUPPLY CHAIN MANAGEMENT

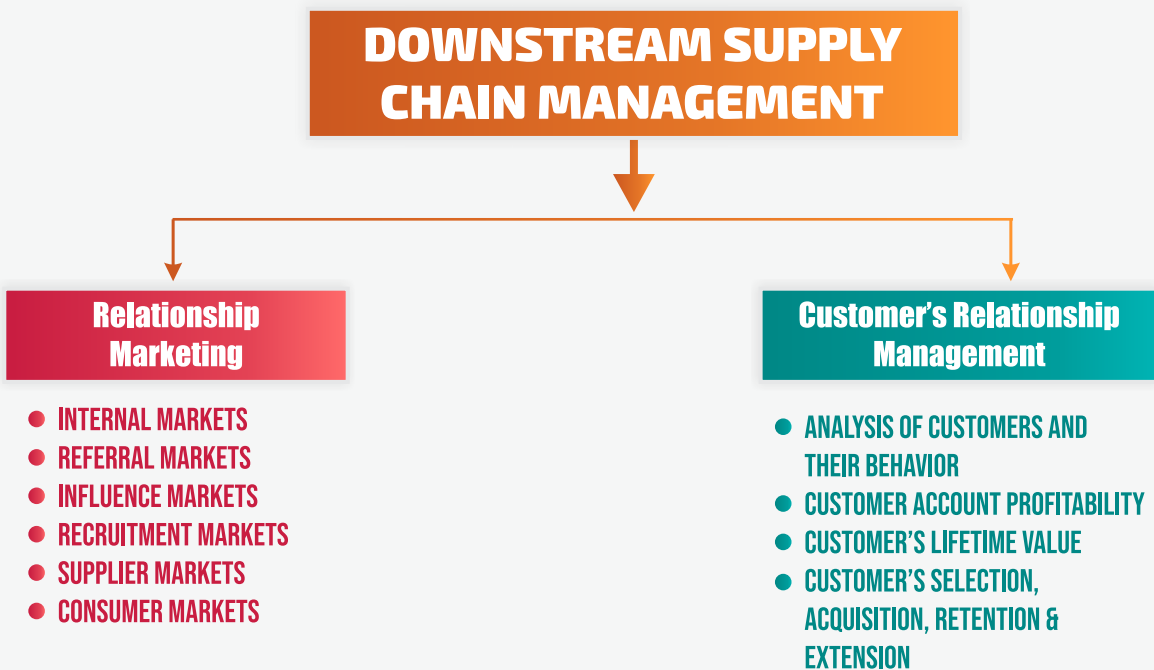
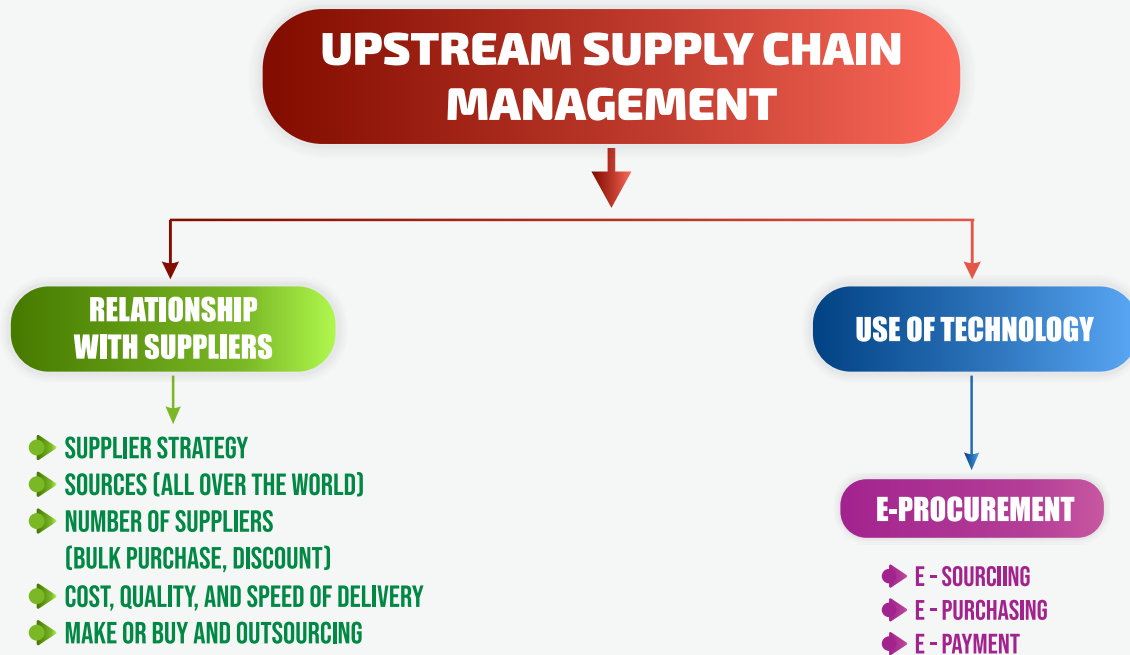
INTEGRATION OF KEY BUSINESS PROCESS FROM SUPPLIER TO END USER



CASE STUDY : SUN ELECTRONICS

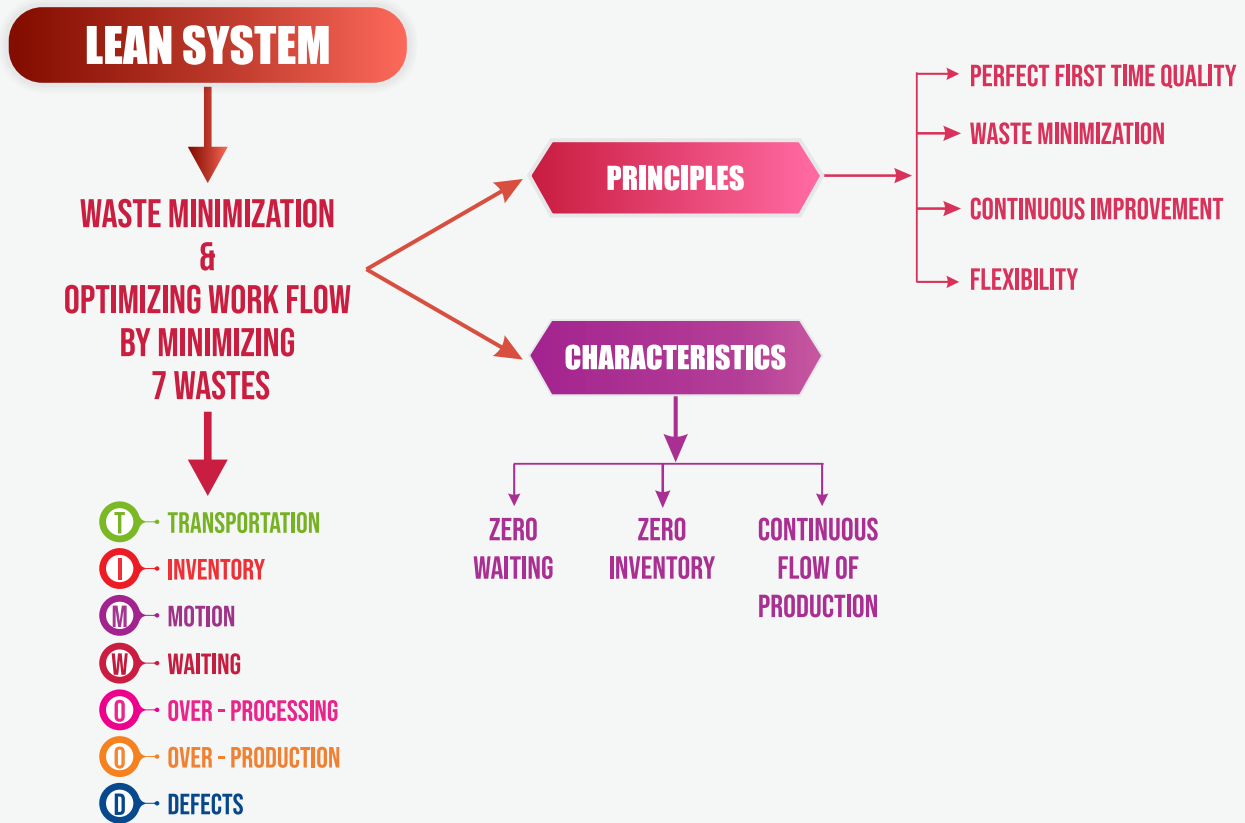
TYPE OF SUPPLY CHAIN



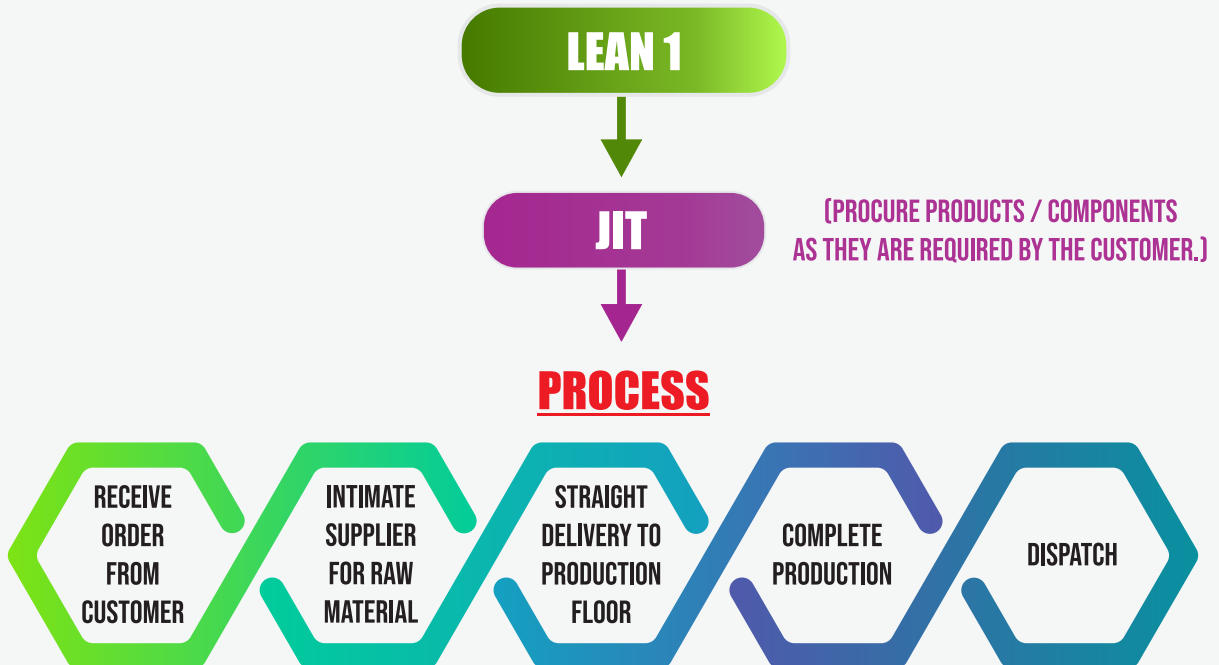


**CASE STUDY: CINEWORLD PRACTICAL QUESTION
APPLE INC**

Chapter Summary



TECHNIQUES OF LEAN SYSTEM



JIT

ADVANTAGE

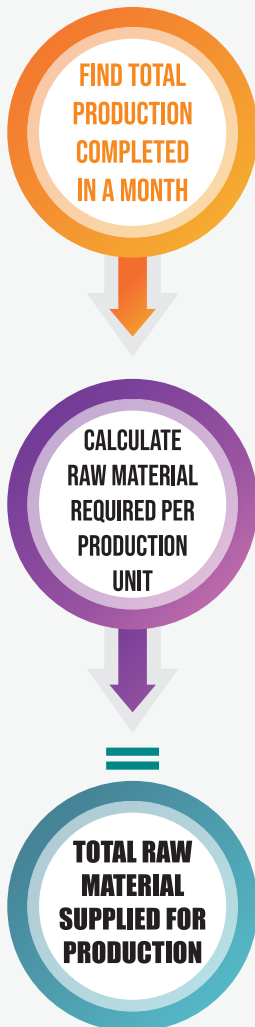
- REDUCTION IN INVENTORY
- REDUCE SPACE REQUIREMENT
- LOWER PRODUCTION COST

DISADVANTAGE

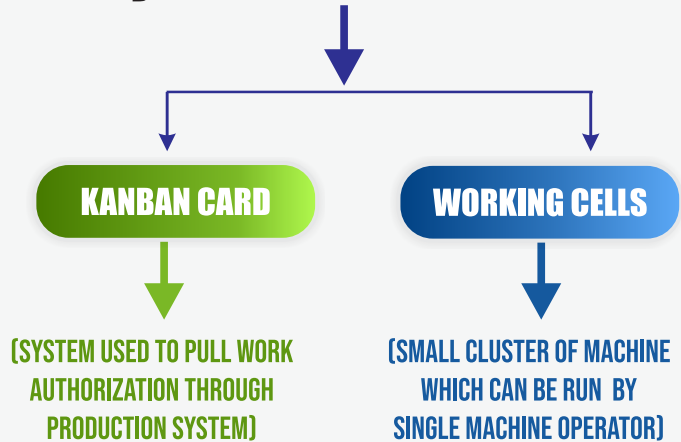
- DANGER OF DISRUPTED PRODUCTION DUE TO NON-ARRIVAL OF SUPPLIES
- HIGH DEPENDENCE ON SUPPLIERS
- INCREASED ORDERING AND ADMIN COSTS

Accounting in JIT

BACKFLUSHING:



Ways To Resolve JIT Problems



PERFORMANCE MEASUREMENT IN JIT





**PERFORMANCE MEASUREMENT IN TPM (OEE)
3 MAIN THINGS**

AVAILABILITY
NO STOPS
(EQUIPMENT FAILURE/
BREAKDOWN SETUP/
ADJUSTMENT)
> 90%

PERFORMANCE
NO SMALL STOPS
OR SLOW RUNNING
(IDLING & MINOR
STOPPAGE REDUCED
SPEED)
> 95%

QUALITY
NO DEFECTS
(REDUCED YIELD, QUALITY
DEFECTS & REWORK)
> 99%

**LEAN
5
CELLULAR
MANUFACTURING**

A MANUFACTURING PROCESS THAT PRODUCE FACILITIES OF PARTS WITHIN A SINGLE LINE OR CELL OF MACHINE OPERATED BY MACHINISTS WHO WORK ONLY WITHIN THE LINE OR CELL. A CELL IS A SMALL SCALE, CLEARLY DEFINED PRODUCTION UNIT WITHIN A LARGER FACTORY.)

□ A SUB SECTION OF JIT AND LEAN SYSTEM IS CELLULAR MANUFACTURING. IT ENCOMPASSES GROUP TECHNOLOGY. THE GOALS OF CELLULAR MANUFACTURING ARE:

- ▶ TO MOVE AS QUICKLY AS POSSIBLE,
- ▶ MAKE A WIDE VARIETY OF SIMILAR PRODUCTS,
- ▶ MAKING AS LITTLE WASTE AS POSSIBLE.

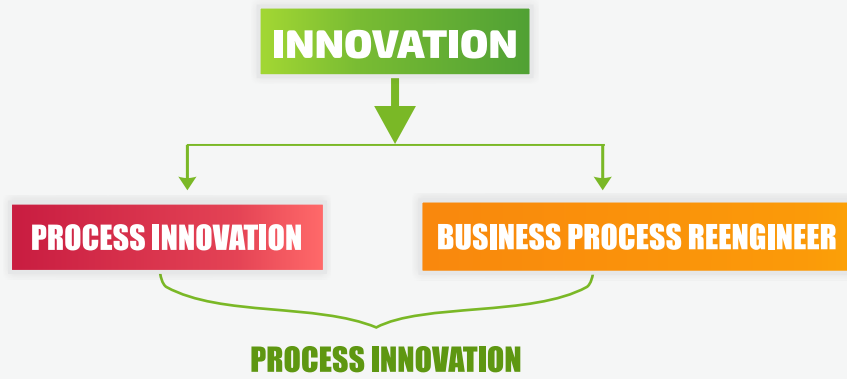
**LEAN
6
SIX SIGMA**

SIX SIGMA IS THE STATISTICAL MEASURE USED TO ENSURE QUALITY OF PRODUCTS AND SERVICES.

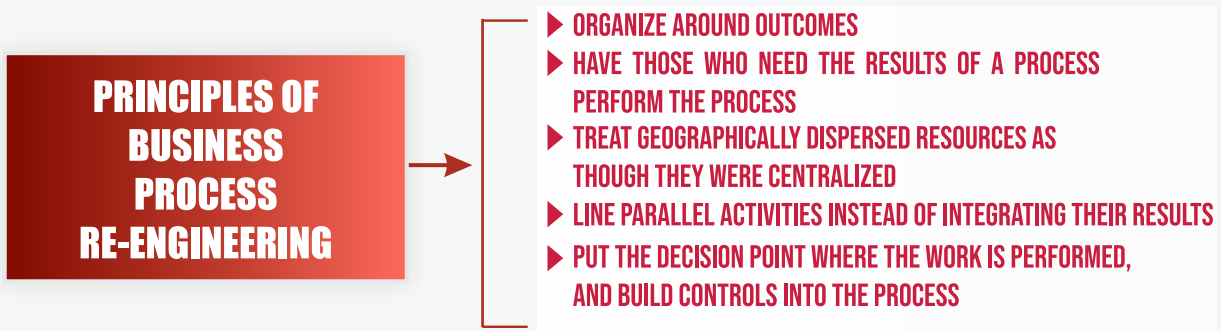
- ▶ 99.999998% OR 0.002 DEFECTS PER MILLION.
- ▶ MEASURE USE TO ENSURE QUALITY OF PRODUCTS AND SERVICES.
- ▶ CUSTOMER SATISFACTION.
- ▶ GOAL OF PERFECTION.

| | | |
|----------------------|---|-----------------|
| DMAIC | ↔ | DMADV |
| FOR EXISTING PROCESS | | FOR NEW PROCESS |
| D → DEFINE | | D → DEFINE |
| M → MEASURE | | M → MEASURE |
| A → ANALYSIS | | A → ANALYSIS |
| I → IMPROVE | | D → DESIGN |
| C → CONTROL | | V → VERIFY |

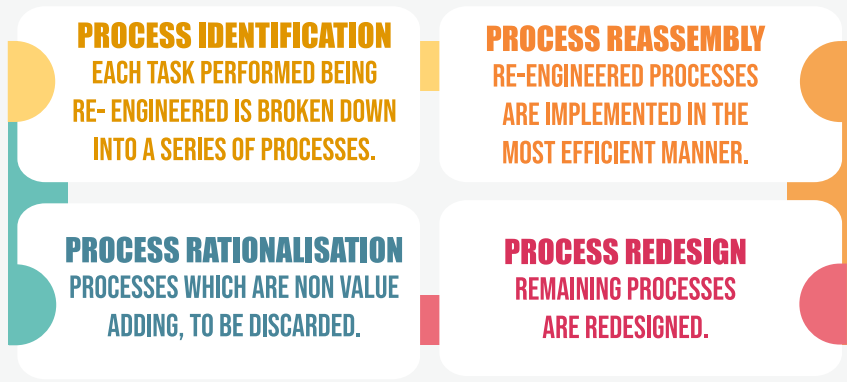
CASE STUDY
(ASPL)
(DERBY GRAY)



PROCESS INNOVATION MEANS THE IMPLEMENTATION OF A NEW OR SIGNIFICANTLY IMPROVED PRODUCTION OR DELIVERY METHOD (INCLUDING SIGNIFICANT CHANGES IN TECHNIQUES, EQUIPMENT AND/ OR SOFTWARE).



MAIN STAGE OF BPR



CASE STUDY
FORD MOTOR
ANI