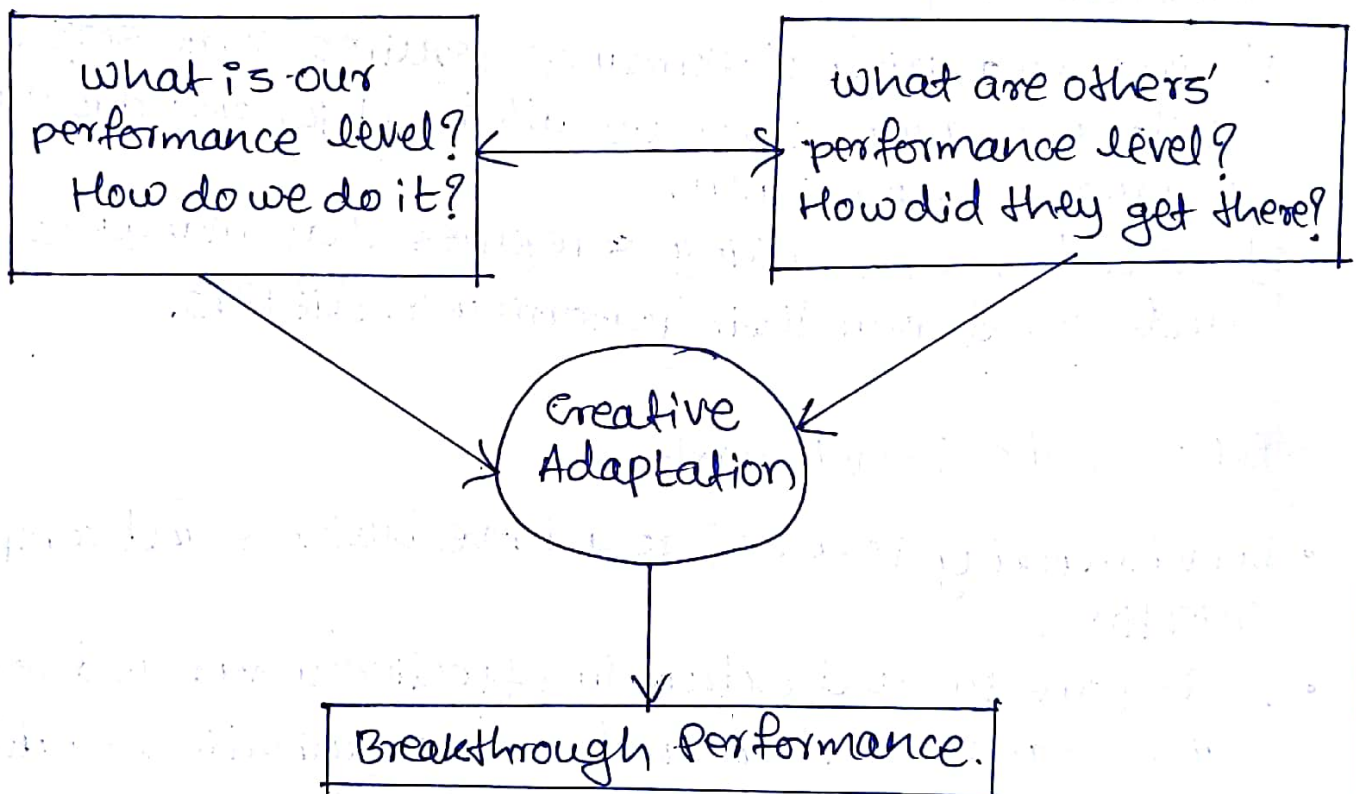


- Benchmarking :- is the systematic search for best practices, innovative ideas, and highly effective operating procedures.
- Benchmarking considers the experience of others and uses it.

Benchmarking Concept



Process :-

- organizations that benchmark, adapt the process to best fit their own needs and culture.
 - Although the number of steps in the process may vary from organization to organization, the following six steps contain the core techniques.
- 1] Decide what to benchmark.
 - 2] Understand current performance
 - 3] Plan
 - 4] Study others
 - 5] Learn from the data
 - 6] Use the findings.

• Benchmarking Concept.

- As shown in figure, benchmarking measures performance against that of best-in-class organizations,
 - determines how the best in class achieve those performance levels, and
 - Uses the information as the basis for adaptive creativity and breakthrough performance.
- Benchmarking are two key elements.
- 1] First, measuring performance requires some sort of units of measure. These are called metrics and are usually expressed numerically.
 - 2] Second, benchmarking requires that managers understand why their performance differs.

Reasons to Benchmark

- Benchmarking is a tool to achieve business and competitive objectives.
- It is powerful and extremely effective when used for the right reasons and aligned with organization strategy.
- It is not a panacea that can replace all other quality efforts or management processes.
- Organizations must still decide which markets to serve and determine the strengths that will enable them to gain competitive advantages.
- Benchmarking is one tool to help organizations develop those strengths and reduce weaknesses.

Sector - Specific Standards under ISO 9000 System

- The ISO 9000 System is designed as a simple that could be used by any industry.
- Other systems have been developed that are specific to a particular industry such as automotive or aerospace.
- These system use the ISO 9001 as the basic framework and modify it to their needs.
- There are currently three other quality systems:
 - 1] AS 9100
 - 2] ISO/TS 16949
 - 3] TL 9000

1] AS 9100 :- This aerospace industry quality system was officially released by the Society of Automotive Engineers in May 1997.

- Its development and release represents the first attempt to unify the requirements of NASA, DOD and FAA.

2] ISO/TS 16949 :- This standard is entitled "Quality Systems Automotive Suppliers" - Particular Requirements for the application of ISO 9001.

3] TL 9000 :- The Quality Excellence for suppliers of Telecommunications Forum wrote TL 9000 to consolidate the various quality system requirements within the telecommunication industry.

Quality Function Deployment (QFD)

- Defⁿ of QFD:- QFD is a planning tool used to fulfill customer expectations.
- QFD focuses on customer expectations or requirements.

Benefits of QFD

1) Improves Customer Satisfaction:-

- Creates focus on customer requirements.
- Uses competitive information effectively.
- Prioritizes resources.
- Identifies items that can be acted upon.

2) Reduce Implementation Time:-

- Decreases midstream design changes.
- Limits post introduction problems.
- Avoids future development redundancies.
- Identifies future application opportunities.

3) Promotes teamwork:-

- Based on consensus
- Creates communication at interface.
- Identifies actions at interface.
- Creates global view ~~of~~ out of details.

4) Provides Documentation:-

- Documents rationale for design.
- Is easy to assimilate.
- Adds structure to the information.
- Adapts to changes.