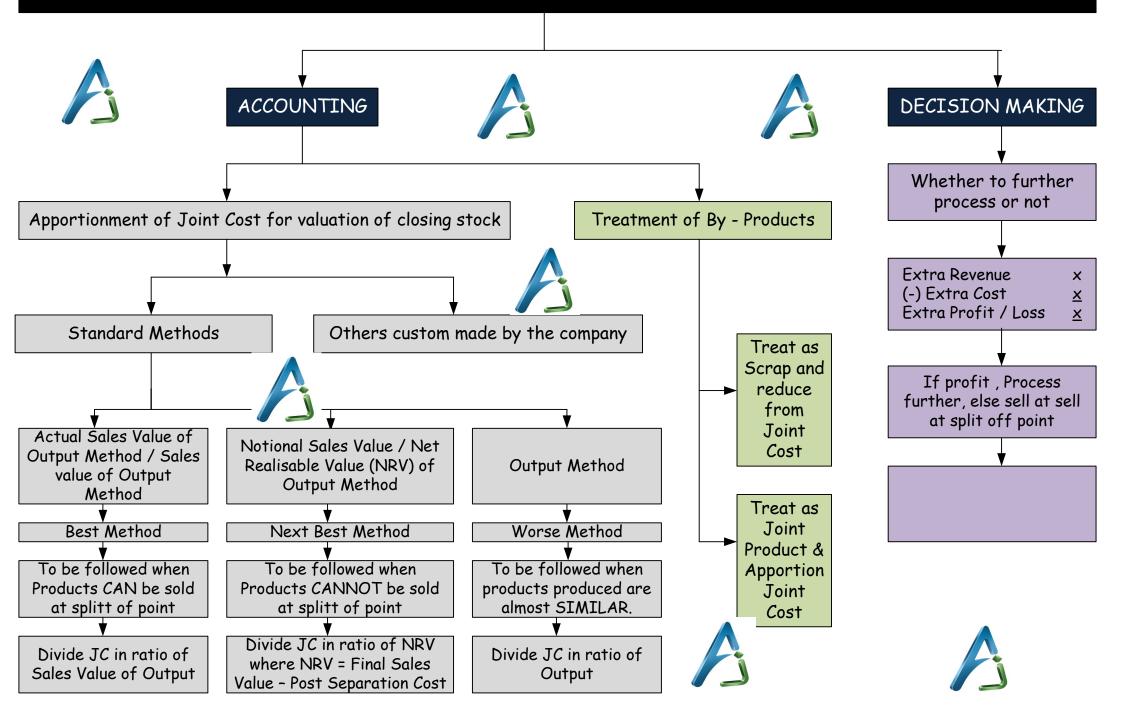
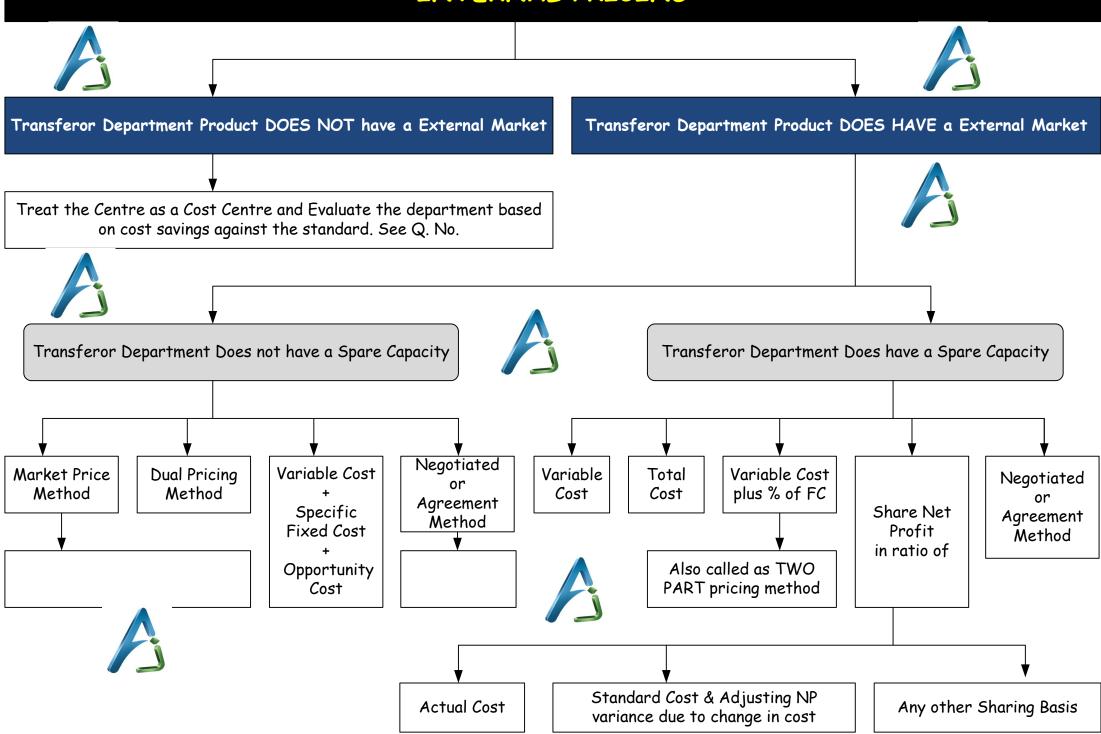
JOINT PRODUCTS / BY PRODUCTS



INTERNAL PRICING



(i) Procurement:

Purchasing of Machines, Funds Procurement, Raw Material required as input for the Primary Activities.

- (ii) Technological Development:
- Technical knowledge, equipment, hardware, software and any other knowledge which is used in the transformation of inputs to outputs.

(iii) Human Resource Mgt:

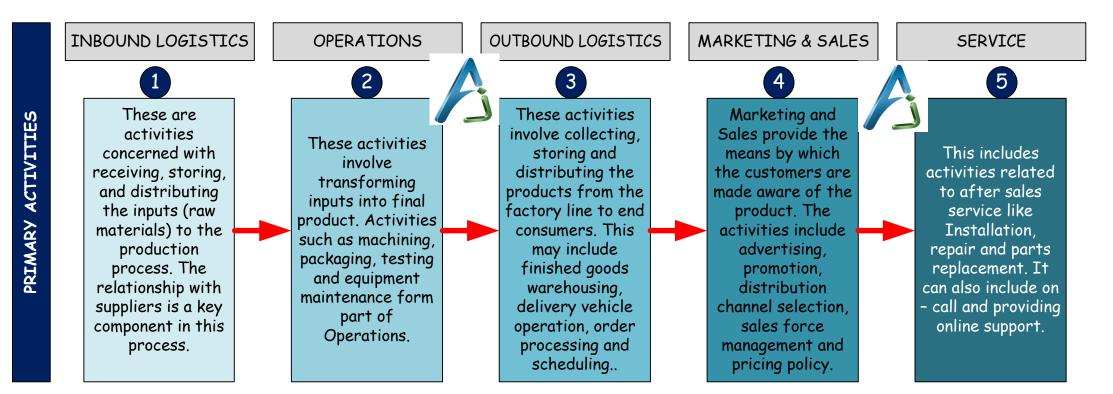


Selection, recruitment, placement, training, appraisal, rewards and promotion; management development; and labour/ employee relations.

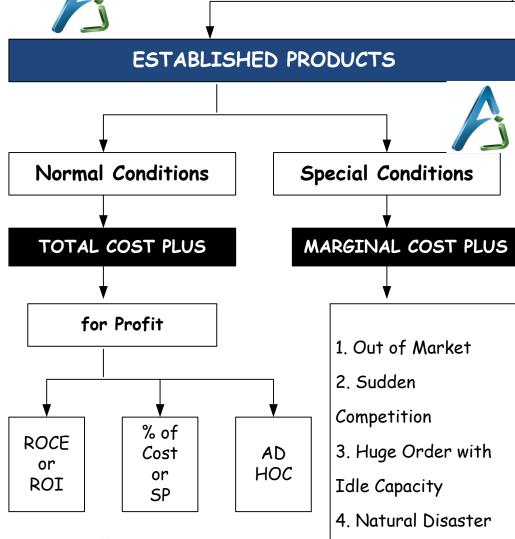
(iv) Firm Infrastructure: 🥌

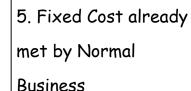
Planning, finance, accounting, legal, government affairs and quality management

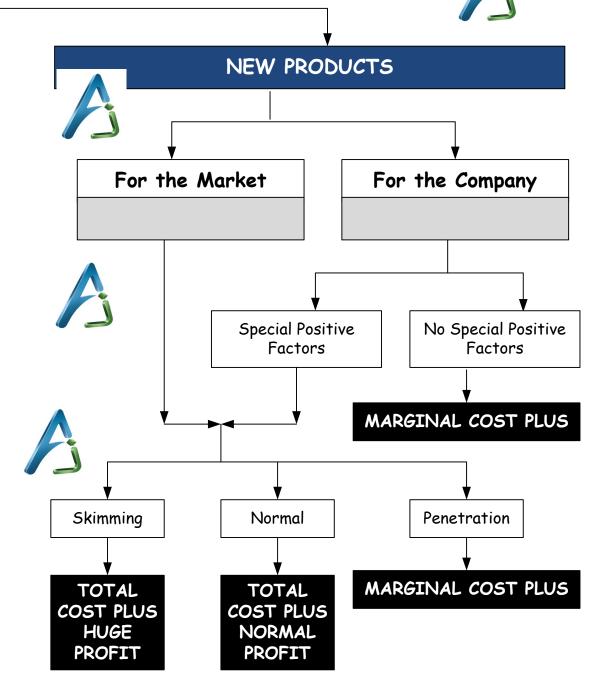


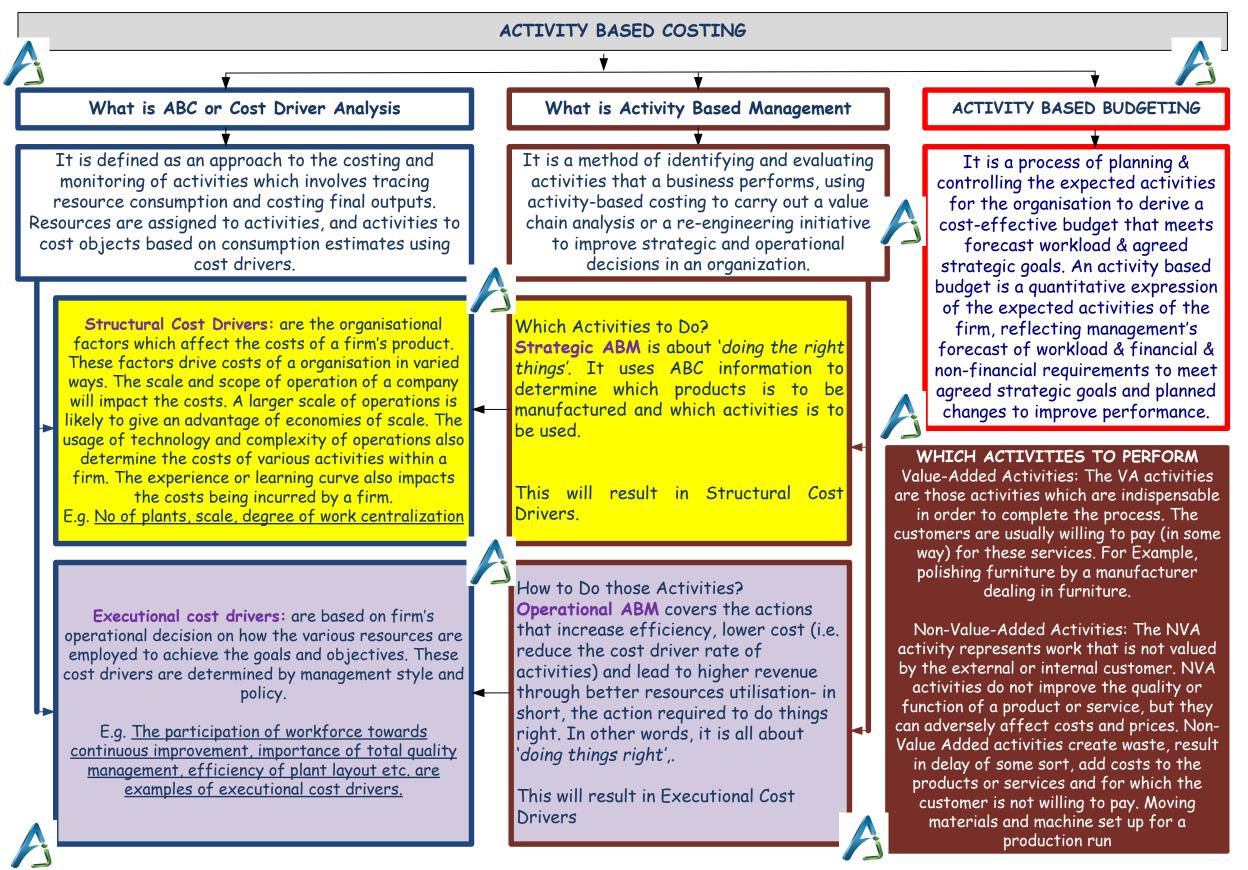


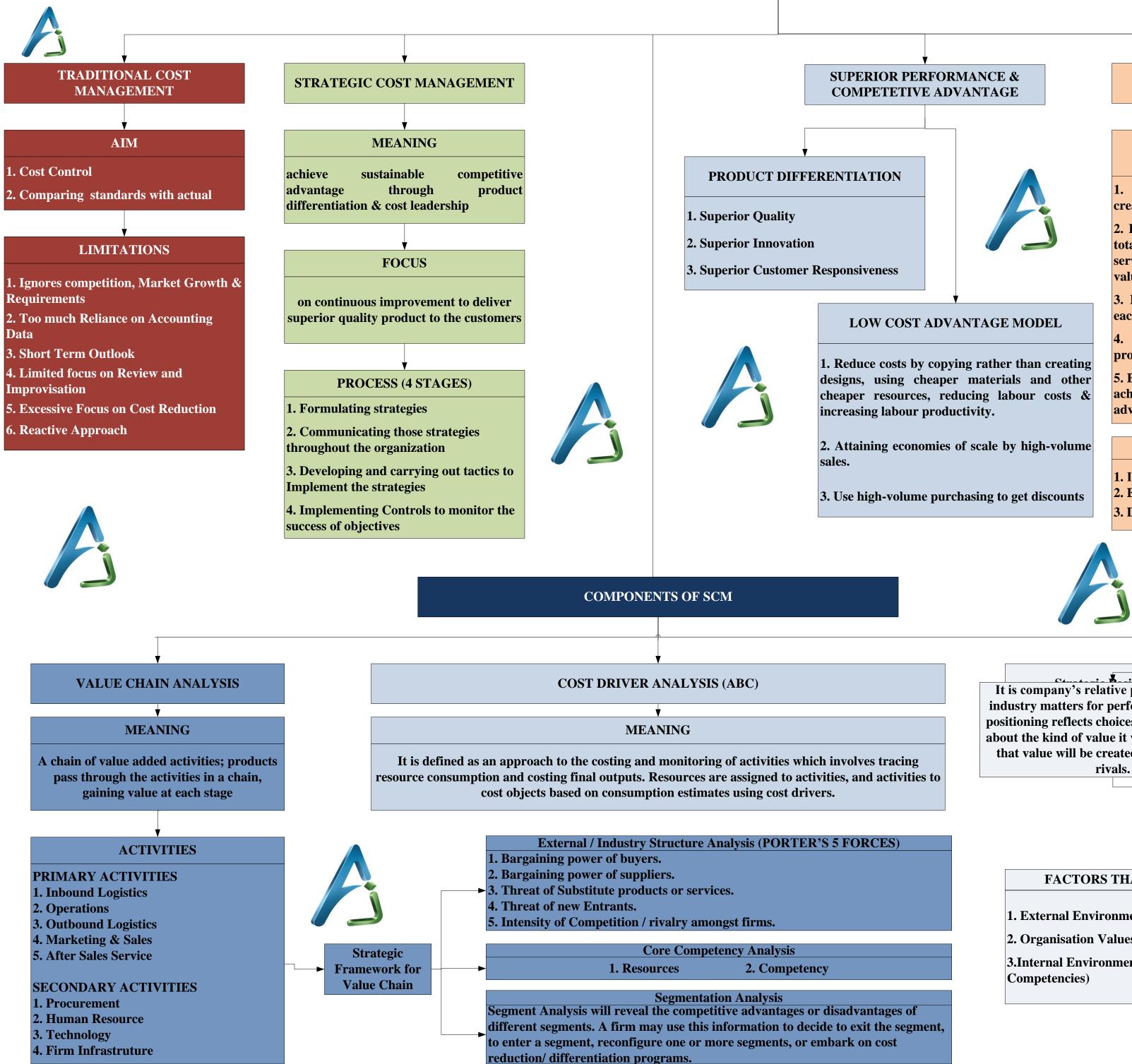
EXTERNAL PRICING











VALUE CHAIN FOR COMPETITIVE EDGE



Internal Cost Analysis

1. Identify the firm's valuecreating processes.

2. Determine the portion of the total cost of the product or service attributable to each value creating process.

3. Identify the cost drivers for each process.

4. Identify the links between processes.

5. Evaluate the opportunities for achieving relative cost advantage.

Vertical Linkage Analysis

company generates competitive advantage not only through linkages of internal processes within a firm but also through linkages between a firm's value chain and that of a suppliers or users. A vertical linkage analysis includes all and downstream upstream activities throughout the industry.

Internal Differentiation Analysis

- 1. Identify the customer's value creating processes.
- 2. Evaluate differentiation strategies for enhancing customer value.
- **3.** Determine the best sustainable differentiation strategies.

Canada and Manide Amalanta It is company's relative position within its industry matters for performance. Strategic positioning reflects choices a company makes about the kind of value it will create and how that value will be created differently than

FACTORS THAT AFFECT SPA

1. External Environment

2. Organisation Values, Culture & Systems

3.Internal Environment (Resources &

Value Shop Model

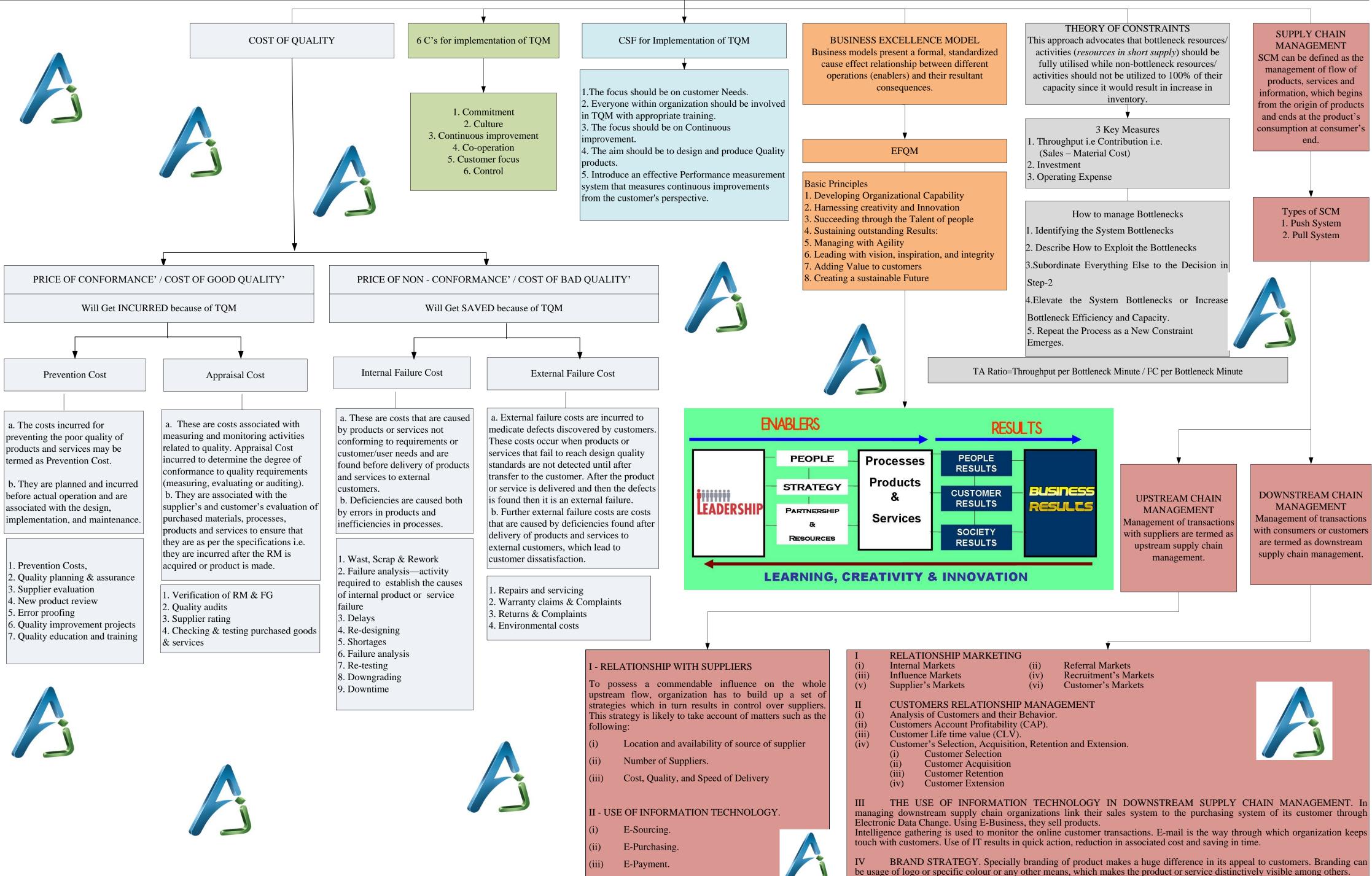
This concept aims to serve companies from service sector. In value shop principle, no value addition takes place. It only deals with the problem, figureout the main area requires its service and finally comes with the solution. This approach is designed to solve customer problems rather than creating value by producing output from an input of raw materials.

The model has the same support activities as Porter's Value Chain but the primary activities are described differently. In the value shop they are:

- **1. Problem finding and acquisition.**
- 2. Problem solving.
- **3.** Choosing among solutions.
- 4. Execution and control/evaluation.

MODERN BUSINESS ENVIRONMENT

Integrated and comprehensive system of planning and controlling all business functions so that products or services are produced which meet or exceed customer expectations



LEAN SYSTEM & INNOVATION

Lean System is an organized method for waste minimization without sacrificing productivity within a manufacturing system. Lean implementation emphasizes the importance of optimizing work flow through strategic operational procedures while minimizing waste and being adaptable.

Types of Waste			
Types of waste	Principles	s of Lean system	
. Motion	1. Perfect first-time qua	ality	
2. Overproduction	2. Waste minimization		
3. Transportation	3. Continuous improve		
4. Over Processing	4. Flexibility		Kaizen Costing
5. Rework from defects			
5. Inventory	Characterst	ics of Loon system	Maintenance of present cost levels for products currently
. Waiting:		ics of Lean system	being manufactured via systematic efforts to achieve the
. Watting.	Zero waiting time		desired cost level.
	Zero inventory		
	Pull processing		¥
	Continuous flow of pro		Features
	Continuous finding wa	ys of reducing process time.	1. Kaizen processes focus on eliminating waste in the
			J systems and processes of an organisation, improving
		•	productivity.
	Just in Time System	n	2. Application of small, incremental changes routinely
	Just III Time System		applied and sustained over a long period can lead to
stem whose objective is	s to produce or to procure r	products or components as they are	significant improvements.
Ũ		. JIT system is a Pull system, which	3. It aims to involve workers from multiple functions.
- •		which stocks act as buffers between	4. A value chain analysis helps to quickly identify ways to
•	e system such as purchasing,		eliminate wastage.
npact of JIT System	e system such as purchasing,	production and sales	5. Although incremental changes can often be too small to
Reduces Waste			be seen, Kaizen can be very effective in the long run.
Reduces overheads costs	due to low inventory		
. Might be able to increase	-		
inight be able to mercus	product prices		Benefits
١			Kaizen reduces waste in areas such as employees waiting
JIT Pu	rchases	JIT Production	time, transportation, excess inventory etc., which leads to
			improved efficiency in overall business processes and
irchasing system in whi	ch material purchases are		
archasing system in will	en material parenases are	Production system which is	systems.
ontracted so that the rece	eipt and usage of material,	Production system which is driven by demand for finished	systems.A company applying Kaizen philosophy can
ntracted so that the rece	eipt and usage of material,	Production system which is driven by demand for finished products, whereby each	
ontracted so that the rece	eipt and usage of material, ssible, coincide"	driven by demand for finished products, whereby each	2. A company applying Kaizen philosophy can achieve cost reduction through small incremental improvements and cost savings
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Techniques of Lean system

5s

to keep your workplace, i ork place organisation 5S in offices nlines the work (low to e errors as well as oving process times) and oyee satisfaction.

ort: Sorting is designed to the work area neat nized and arranged so that ant items can be found . If an item is not relevant ne work, then it should no the work area.

et in Order: arrange al items into most sary accessible and ent gement so that they can be be identified for use.

nine (clean)

tandardize: A clean and work area allows th ess to be standardized and ined for quality or process ovements.

stain: maintain discipline.

Total Productive Maintenance (TPM)

Maintain the machines in such a state that they give the results for which they were purchased i.e. great quality and no unscheduled stops. Objectives

1. Zero breakdowns.

2. Zero downtimes.

3. Zero failures attributed to poor condition of equipment.

4. No loss of efficiency or production capacity due to the equipment.

Losses due to Breakdown

1. Equipment failure leading to unexpected loss of production time.

2. Idle waits and stoppages due to ad hoc maintenance requirements. Since the interruption is unplanned, the productive labour time is wasted.

3. Production of inferior quality products causes financial losses. The company would also incur additional costs to remake the product without any additional revenues.

4. The company would also incur losses in terms of additional set up costs. Every time a machine breaks down, a significant amount of time would be wasted in setting up the production processes again.

Features of TPM

raditional maintenance is centred in the maintenance department. However, I seeks to involve workers at all departments and levels. There is a great unt of co-ordination between the production and maintenance team in TPM.

utonomous maintenance focusses on training operators to be able to take care inor maintenance tasks. This relieves specialised maintenance staff to focus on cal issues.

'PM focusses on achieving and sustaining zero loses with respect to minor s, measurement and adjustments, defects, and unavoidable downtimes.

lanned Maintenance is aimed to have trouble free machines and equipment ucing defect free products for total customer satisfaction. The approach here is ctive maintenance instead of reactive maintenance.

PM emphasises on training of workers across all levels and departments. The nate objective is to have a factory full of skilled workers.

Cellular Manufacturing

In the assembly line multiple cells are used. Each cell comprises of one or more machines which accomplish a certain task. The product moves from one cell to the next, each station completing part of the manufacturing process. U-shaped design is given to these cells because this allows for the supervisor to move less and have the ability to more readily watch over the entire process.

Steps in implementing

The parts to be made must be grouped by similarity (in design or manufacturing requirements) nto families.

There are also a number of mathematical models and algorithms to aid in planning a cellular manufacturing center, which take into account a variety of important variables such as, 'multiple plant locations, multimarket allocations with production planning and various part mix."

Once these variables are determined with a given level of uncertainty, optimizations can be performed to minimize factors such as, "total cost of holding, inter-cell material handling, external transportation, fixed cost for producing each part in each machine and labour olant, salaries."



Six Sigma

Quality improvement technique whose objective to eliminate defects in any aspect that affects customer satisfaction.

Objectives

The primary focus of Six Sigma is on: 1.Customer satisfaction.

2.Decisions based on data-driven facts.

3. Mgt, improvements & processes.

. Proactive mgt team.

Collaboration with in the business

6. Goal for perfection.

Two Techniques of Six-Sigma

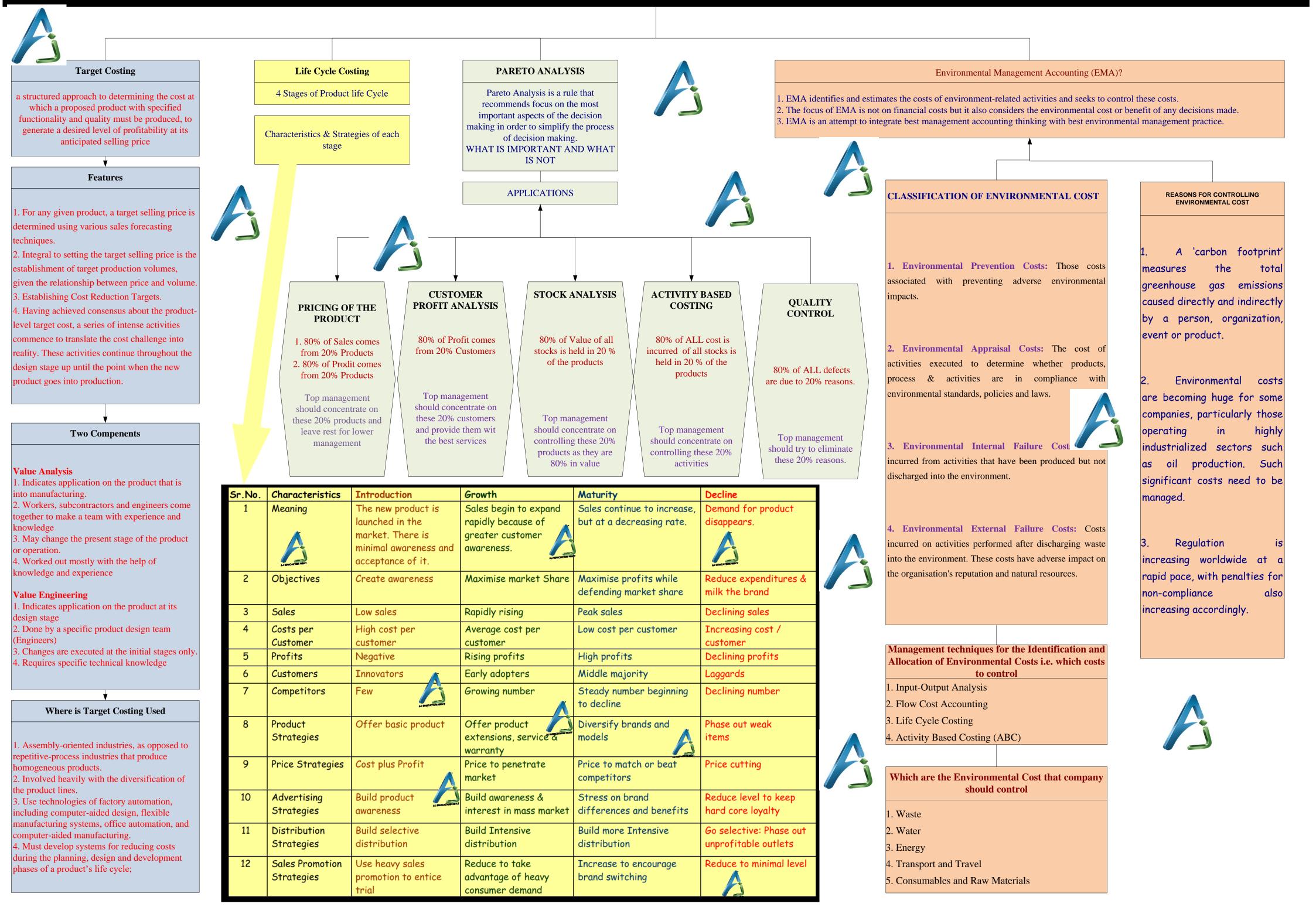
DMAIC (for existing process or processes)

DMADV (applied to products or new processes)

Business Process Re-Engineering

fundamental ethinking and radica edesign of business rocesses to achieve ramatic improvements ir critical contemporary easures of performance uch as cost, quality service, and speed." Thus he four key components f BPR are as follows: .Fundamental rethinking 2.Radical redesign 3.Achieving dramatic mprovements 4.Reengineering focuses

on end-to-end business processes.





POWER SECTOR

Key Risks: **Highly Capital Intensive** 1. Lot of Coal is required for power generation. 2.

Electricity Distribution is a Complex Network. 3.

Features

- 1. Limited number of suppliers of electricity.
- 2. Tariff determination is based upon the rationality to determine the cost incurred at various points of operation.
- Stakeholders are existing & future consumers, industries, government, regulators, and investors.
- 4. Continuous growing demand of electricity.
- 5. Distribution loss & inefficiency gaps between generation & consumption of electricity.
- 6. In-disciplined consumer.
- 7. Mostly public sector undertakings closely regulated by government.

Energy subsidies having direct impact on national treasury affecting long term growth potential of the economy.

Application of Cost Management Techniques

- 1. For determining prices and regulating tariffs.
- 2. Developing a flexible cost allocation.
- 3. Distribution loss and inefficiency gap analysis.
- 4. Multi-dimensional costing calculations.
- Powerful analysis and reporting.

VALUE CHAIN

I	GENERATION & TRADING:	 Virtual Power Plants Remote Monitoring & Control of decentalised Generation Digital Supply Chain Realtime Energy Trading/ Straight through Processing
11	TRANSMISSION	 Condition Monitoring Grid Stability Based Mgt of Renewable Generation
111	Distribution and Metering	 Smart Metering and Variable Energy Tariffs Smart Grids Condition Based Maintenance Digital/ Mobile Workforce
IV	Storage:	Integration of Decentralised Storage Facilities
V	Marketing, Sales & Service	 Self Service Portals Social Media Marketing App Based Mobile Service Analytics Based Customer Segmentation and Pricing Performance Marketing
VI	Customer	 Smart Home Demand Response Management Cross Energy Mgt/Data Mining Based Energy Eff Analysis

In relation to the agricultural sector, the Activity Based Costing technique is being increasingly accepted for the purpose of cost management. Large scale enterprises engaged in the agriculture sector that are engaged in the investment of high scale capital expenditure require efficient utilization of technology as well as the efficient use of production technology that are available at their disposal.

Minimum Support Price (MSP) was introduced by the Govt to protect farmers against sharp dip of agricultural prices, which was usually observed during the harvest seasons. The harvest seasons are associated with huge supply, which overshadows the demand, and hence, in most cases the commodity prices hit the bottom. This forces the farmers, in necessity of money for repayment of debts, in selling their produce at losses or very little profits. Thus, the government fixes the MSP and for farmers selling at MSP ensures profit margins for farmers and avoids distress selling situations.



Features

1. Industry is fragmented and unorganized 2. Lack of understanding of costs

5. Imbalance of power across the supply chain

3. Understanding the potential of working collaboratively 4. Use of target costing techniques for price determination

Benefits of using ABC for cost management

1. Adjustable costing technique

2. Faster and more accurate

3. Enables carrying out a more detailed cost analysis

AGRICULTURAL SECTOR

INFORMATION TECHNOLOGY SECTOR







here are a number of challenges associated with the management of the costs associated vith the Information Technology expenditures incurred by the Multi-National corporations. Thus, the complexity of the operating structure and the difficulty seen in the implementation of the cost allocation models, it is seen that in order to manage the IT costs, most organizations end to develop centralized IT departments acting as cost centers for the purpose of managing the IT budgets as well as allocation of costs associated with along with the charging back of expenses that are incurred by the business units.



4D IT Cost Optimization Framework (whether organisation should have their OWN IT department or should outsource it)

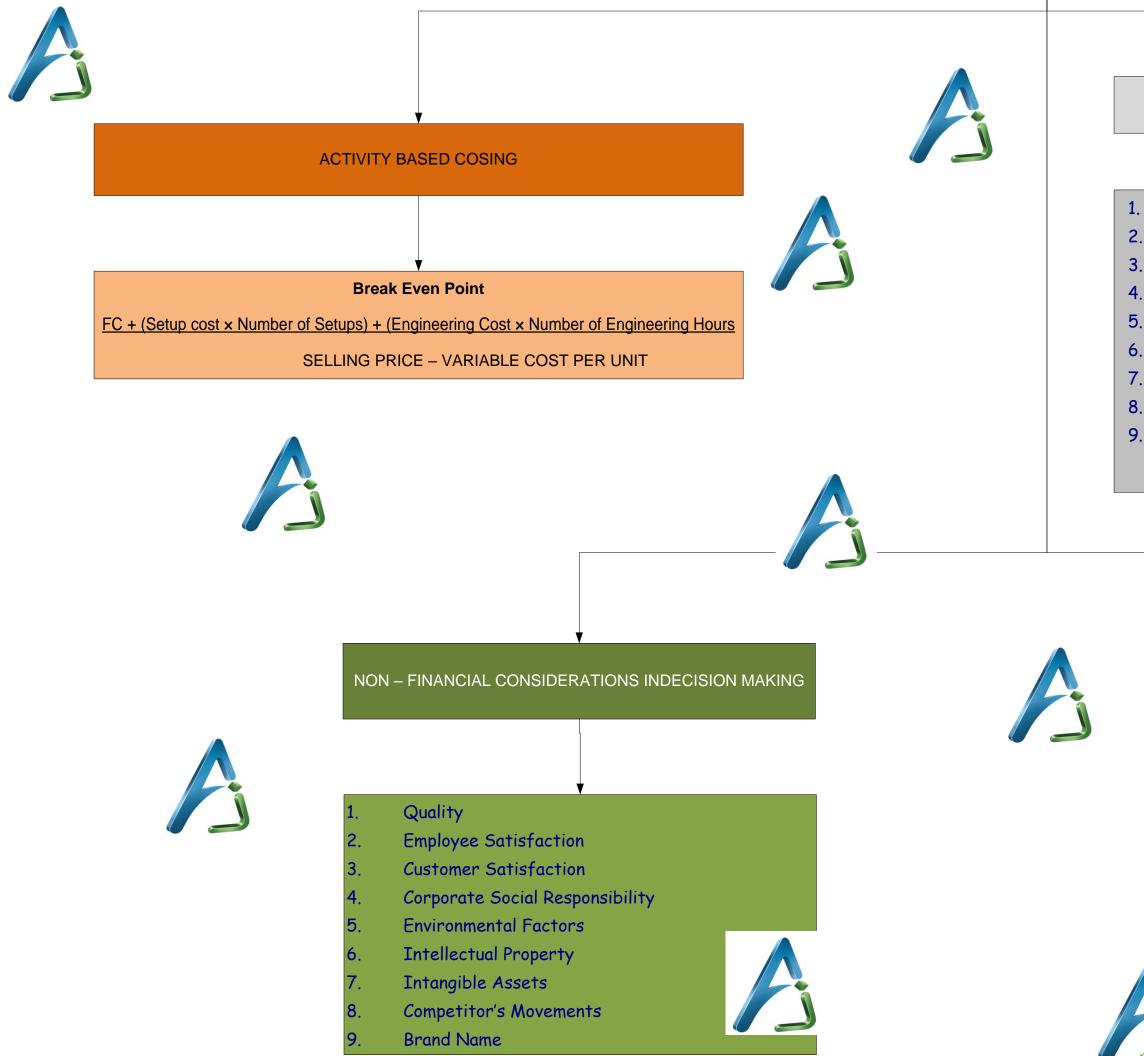
Defining Organization Vision: Any amount of spending carried out in relation to the Information Technology requirements of the organization needs to be aligned to the organizational vision and long term objectives. Business owners should have a sense of ownership and thereby control the IT costs in an effective manner. The additional visibility through the model needs to determine the appropriate method of cost allocation in relation to the IT cost burden. Thus, the allocation model that is chosen needs to be both flexible and at the same time avoid being too complex in nature.

Documentation of the current state: The next step involves documentation of the current state of the IT department implemented within the organization in order to identify gaps and potential weaknesses identified in relation to the current state for the purpose of identification of the appropriate pain points as well as identification of areas for potential automation

Delineation of target business architecture: Once the current state of the IT architecture has been documented, the next step is developing a target business architecture for the purpose of addressing the gaps and limitations identified and laying down the foundation with regards to the formation of the crux of the IT cost management framework.

Decision: Build v/s Buy: The last step understands whether the framework built is bought or custom built internally. The answer to the question involves a great amount of brainstorming and research taking into consideration the view point of all the strategic stakeholders involved.

DECISION MAKING



When does a firm generally decides to outsource

- . If it costs less rather than to manufacture it internally;
- 2. If the return on the necessary investment to be made to manufacture is not attractive enough;
- 3. If the company does not have the requisite skilled manpower to make;
- 4. If the concern feels that manufacturing internally will mean additional labour problem;
- 5. If adequate managerial manpower is not available to take charge of the extra work of manufacturing;
- 6. If the component shows much seasonal demand resulting in a considerable risk of maintaining inventories;
- 7. If transport and other infrastructure facilities are adequately available;
- 8. If the process of making is confidential or patented;
- 9. If there is risk of technological obsolescence for the component such that it does not encourage capital investment in the component.

ROLE OF ETHICS IN DECISION MAKING



Ethics are moral principles that guide the conduct of individuals. By their behaviour and attitude, managers set the company culture. Guideline for Ethical Conduct:

- 1. Identify an ethical decision by using personal ethical standards of honesty and fairness.
- 2. Identify the consequences of the decision and its effect on others.
- 3. Consider obligations and responsibilities to those that will be affected by decision.
- 4. Make a decision that is ethical and fair to those affected by it.
- 5. Some ethical problems can be can be avoided simply by using common sense and not focusing solely on the short term at the expense of long term.
- 6. Firms with a strong code of ethics can create strong customer and employee loyalty.
- 7. Furthermore, a firm that values people more than profit and is viewed as operating with integrity and honour is more likely to be a commercially successful business.







PRICE UNDER DIFFERENT MARKET STRUCTURES

Type of Market	Meaning	Pricing	Strategies
Perfect	Many Sellers selling a	Market Determined	Produce as long as MR >
Competition	homogeneous product & Many		MC. Keep Cost as low as
	Buyers.		possible
Monopoly	One supplier and many buyers.	Firm is price setter but usually price is	Charge the Selling Price so
		fixed based on demand elasticity.	as to get highest profit.
			Ensure monopoly remains
Monopolistic	Many Buyers and Many	Companies launching superior products can	Innovate new features
Competition	Sellers NOT producing	charge higher price till other companies	every now and then
	homogeneous products	also start to provide the same features.	
Oligopoly	Few Sellers selling	Sellers have to set the price keeping in	Lower the price. Collide
	homogenous products & Many	mind the reactions from competitors.	with rivals and raise prices
	Buyers	Customers prefer companies having least	together.
		price.	

PRINCIPLES OF PRODUCT PRICING

PRICE CUSTOMIZATION

- Based on product line 1.
- Based on customer's past behaviour 2.
- Based on demographics 3.
- Based on time differential 4.

PRICE SENSITIVITY

- Unique Value Effect 1.
- Substitute Awareness Effect 2.
- **Difficult Comparison Effect** 3.
- 4. Total Expenditure Effect
- End- Benefit Effect 5.
- Shared Cost Effect 6.
- Sunk Investment Effect 7.
- Price Quality Effect 8.
- 9. Inventory Effect

When will Profit be highest è Marginal Revenue = Marginal Cost

Set the Price Using PROFIT MAXIMISATION model (useful in Perfect Competition Market)



MR = a - 2bQThe price at which highest profit is P where P = a - bQ

a is the price at which demand is ZERO b is slope of demand i.e. decrease in price / increase in units Q is quantity demanded P is the price





DIFFERENT METHODS OF PRICING

COST-BASED PRICING METHOD

COMPETITION-BASED PRICING METHOD

Going Rate Pricing: Charge what others are charging in the market.

2. Sealed Bid-Pricing: These are like tender bids. If company quotes higher, it might get higher profit but chances of getting contract is lower. If company quotes very low based on MARGINAL COST PLUS, chances of getting contract are higher.

Value- Based Pricing Method:

Objective Value or True Economic Value (TEV): This is a measure of benefits that a product is intended to deliver to the consumers relative to the other products without giving any regard whether consumer can recognize these benefits or not.

TEV = Cost of Next Best Alternative + or (-) Value of Performance Differential

Perceived Value: This is the value that consumer understands the product deliver to it. It is the price of a product that a consumer is willing to spend to have that product. At the time of fixing price, it is to be kept in the mind that any price which set below the perceived value but above the cost of goods sold give incentives to both buyers and the seller.



Pricing policy in periods of ecession

Sell its articles at a price less than the total cost but above the marginal cost for a limited period.

Advantages

. The firm can continue to produce and use the services of skilled employees who are well trained and will be difficult to re-employ later if discharged.

Plant and machinery can be prevented from deterioration through idleness.

3. The business would be ready to take advantage of improved business conditions later

SELL BELOW MARGINAL COST

1. Where materials are of perishable nature.

Where stocks have been accumulated in large quantities and the market prices have fallen. This will save the carrying cost of stocks.

3. To popularize a new product.

4. Where such reduction enables the firm to boost the sales of other products having larger profit margin. 5. Company want to eliminate competition





Pricing of New Products

. Revolutionary Product: Premium price as a reward for its innovation and taking first initiative

Evolutionary Product: A product introduces upgraded version with few additional characteristics of the product. The evolutionary products may be priced taking cost-benefit, competitor, and demand for the product into account.

3. Me-too Product: A product is said to be me-too product when its emergence is a result of the success of a revolutionary product. The me-too products are price takers as the price is determined by the market mainly by the competitive forces.

HOW TO ENTER THE MARKET

Skimming Pricing: High prices during the early period of a product's existence. Situations are

The demand is likely to be inelastic in the earlier stages till the product is established in the market.

The change of high price in the initial periods serves to skim the cream of the market that is relatively insensitive to price. The gradual reduction in price in the later year will tend to increase the sales.

(iii) This method is preferred in the beginning because in the initial periods when the demand for the product is not known the price covers the initial cost of production.

High initial capital outlays, needed for manufacture, results in high cost of production.

II. Penetration Pricing: Low price in beginning. Situations are

When demand of the product is elastic to price. In other words, the demand of the product increases when price is low.

When there are substantial savings on large scale production. Here increase in demand is sustained by the adoption of low pricing policy.

When there is threat of competition. The prices fixed at a low level act as an entry barrier to he prospective competitors.

Pricing Adjustment Policies

- Distributor's Discounts
- 2. Quantity Discounts
- 3. Cash Discounts

1.Price Discrimination: if the following possible conditions are satisfied:

the maker must be capable of being segmented for price discrimination;

the customers should not be able to resell the product of the segment paying higher price; and

Geographic Pricing: In pricing, a seller must consider the costs of shipping goods to the buyer. These costs grow in importance as freight becomes a larger part of total variable costs.





RESPONSIBILITY ACCOUNTING

Meaning

Collection, summarization, and reporting of financial information where individual manager is held accountable for certain costs, revenue, or assets of the firm.

Characteristics of a good performance measure.

1. Provide incentive to the divisional manager to make decisions which are in the best interests of the overall company (goal congruence).

2. Only include factors for which the divisional manager can be held accountable.

Recognise the long-term objectives as well as short-term objectives of the 3. organisation.

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Ì	How to measure FINANCIA	L PERFORMANCE

THREE POPULAR MEASURES

Return on Investment (ROI) - expresses divisional profit as a percentage of the assets employed in the division. ROI is a common measure and thus is ideal for comparison across corporate divisions for companies of similar size and in similar sectors.

Residual Income (RI) - For evaluating the economic performance of the division, residual income (absolute profit) can be defined as divisional contribution les a cost of capital charge on the total investment in assets employed by the division. Not suitable where divisions are of different sizes.

Economic Value Added = ADJUSTED NOPAT – WACC% x ADJUSTED CAPITAL EMPLOYED

How to measure FINANCIAL PERFORMANCE based on type of centre

	Cost Centres	Revenue Centres	Profit Centres	Investment Centres
Responsibility	Control Cost	Increase Revenue	Increase Profit	Increase ROI
How to Judge	Cost variances	Sales variances	Actual Profit against the	Actual ROI against the
Performance			budget	budget or compare with
				other departments or
e de talles				industry standards
Suitability	Where departments cannot market the	Where departments are	Where departments should control cost and	Where departments are
	products and are	only responsible for selling the product e.g.	snould control cost and sales	given right to decide whether to purchase
	responsible only for	Marketing Departments	sules	assets or not and when
	producing	Markening Depar menis		departments are of
	p			different sizes
Advantage				
Departments become Cost	✓		✓	✓
Conscious				
Try to increase Sales		✓	✓	✓
Will invest when				✓
required and will try				
not to waste the				
capital				
Dis - Advantage				
Try to Control cost and	\checkmark		\checkmark	✓
hence loose quality				
Might start to demand		\checkmark	\checkmark	\checkmark
very high transfer prices				
Might not even invest				\checkmark
even when it is good				
for the company as				
ROI might fall in short				
- run				

MODEL Measurement of Performance across 4 areas

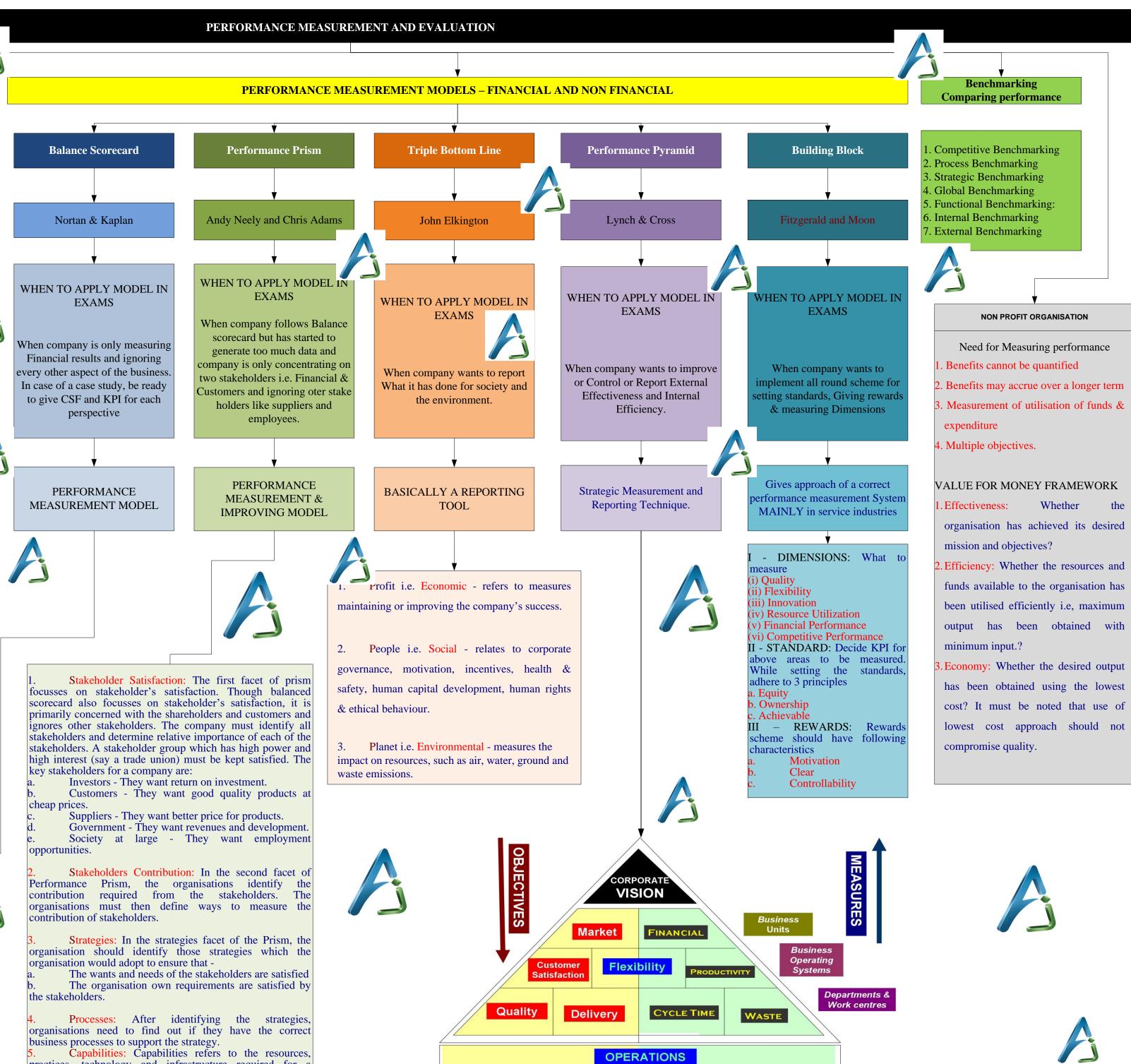
. Financial Perspective: Financial perspective focuses on financial performance of the business and divisions. The various financial measures used by companies are profitability, revenue growth, cost control etc.

2. Customer Perspective: This perspective views organizational performance from the point of view the customer or other key stakeholders that the organization is designed to serve. These could include measures like customer satisfaction index, percentage of returns, percentage of goods delivered on time etc.

. Internal Business Perspective: This perspective views organizational performance through the lenses of the quality and efficiency related to product or services or other key business processes. The measures under internal business perspective could be number of defective products produced, production performance per unit of time etc.

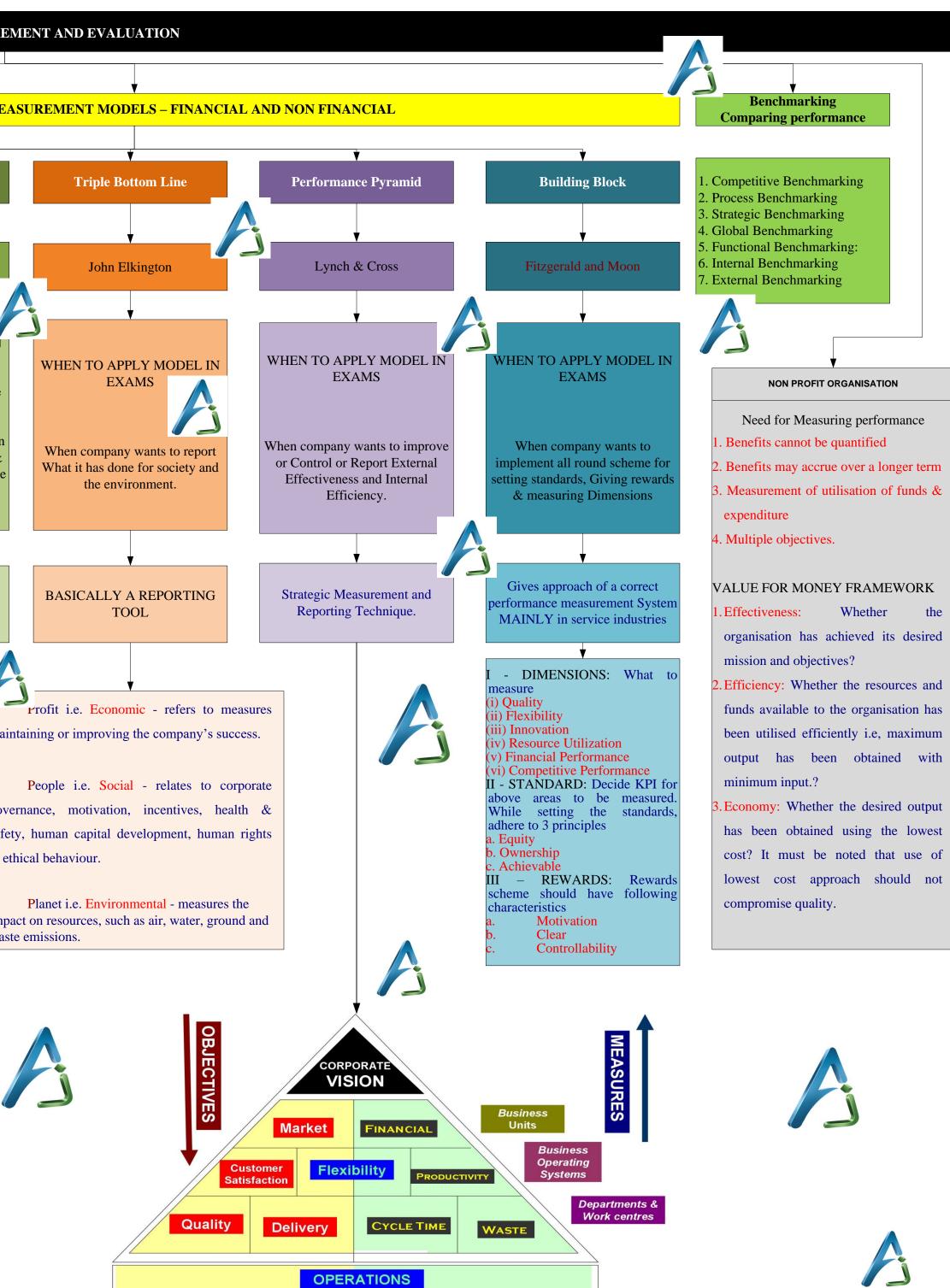
4. Training and Development/ Learning and Growth Perspective: This perspective views organizational performance through the lenses of human capital, infrastructure, technology, culture and other capacities that are key to breakthrough performance. The key measures could be number of new products produced, amount invested in training and development etc.





External Effectiveness

practices, technology and infrastructure required for a particular process to work. The company must have right capabilities in order to support the processes.



Internal Efficiency

Simple to calculate

(ii)



Different Basis of Transfer Price

(i)

Transfer at MARKET PRICE or ADJUSTED MARKET PRICE

(adjusted market price Normal Market price less any expenses like packing which will not be incurred if transferred internally

Advantages

Since demand and supply determine market price, it is likely to be unbiased.

Market prices are less ambiguous compared to cost-based pricing. They cannot be manipulated.

Since the pricing is competitive, divisional performance can be linked more objectively to its contribution to the company's overall profits.

Disadvantages

Market price may not be completely unbiased, if a competitive environment does not exist. Examples could be a distress sale market or manipulative pricing strategies (like price discrimination) that could distort the market price.

May not be suitable when market prices can fluctuate widely or quickly.

Goods that are transferred may be at an intermediate stage in the production process. At times market price may not be available for such intermediate goods.

Divide the profit among the two departments in the ratio of Cost i.e. Value addition

Advantages

Performance can be benchmarked to internal cost targets (budgets).

Information is more easily available as compared to market price. While evaluating performance, cost components can be broken down further for internal analysis. Hence, the basis for transfer pricing is more clearly defined as compared to market price, which may be subject to the vagaries of demand and supply.

Disadvantages

The cost basis on which transfer pricing is used can be subjective since there can be multiple ways of interpreting costs. Variable cost, standard cost, full cost are some of those methods. Managers may not always agree on the basis to be followed, since each will try to use the one most beneficial to their division.

Since cost is passed on to another division, there may be instances when managers of the supplying division may find little incentive to lower the cost of production by adopting cost efficient methods.

TRANSFER BASED ON COST

Based Transfer Price

Advantage: Since the supplying division makes a profit, this method address the disincentive problem discussed above in the full cost method.

Disadvantage: Since the transfer price under this method could closely approximates its market price, the purchasing division may bear a share of the selling expenses although none was incurred for such internal sales. Again, this could distort purchasing division. Therefore, it is essential to adjust the transfer price for such cost savings.

Transfer at FULL Cost

Advantage: Full cost of goods transferred is recovered hence the supplying division will not show a loss.

Disadvantage: Since mark-up cannot be charged on internal transfers, the supplying division does not record any profit on these sales. This is a disincentive for the supplying division.

Transfer at Marginal Cost

Advantage: Useful when the upplying division has excess apacity. The method ensures that the supplying division recoups the cost of internal transfer, while the purchasing division enjoys the benefit of a lower price compared to the market.

Disadvantage: No fixed cost or markup is allowed to be charged to the purchasing division. Each unit of internal sale will hence result in a loss at approximately fixed cost per unit.

Transfer at Standard Cost

Advantage: Performance evaluation can be done against budgeted cost Facilitates targets. better understanding of costs through variances. This enables the manager to take measures to improve performance.

Disadvantage: Profit performance measurement is centralized and cannot be measured for individual divisions.

Methods to Resolve the Conflicts



the performance of

Transfer at Negotiated Price

Advantage: Managers are given autonomy to decide whether to purchase (or sell) from its sister unit or source then from (or to) external market.

Disadvantage: This method requires sufficient external information to be available regarding the external market price, terms of trade etc. Internal cost information must also be shared in order to negotiate a reasonable price.

Dual Rate Transfer Pricing System: The supplying division records transfer price by including a normal margin thereby showing profit reasonable revenue. The purchasing division records transfer price at cost thereby recording marginal purchases at minimum cost. This allows for better evaluation of each performance. It also division's co-operation between improves divisions, promoting goal congruence and reduction of sub-optimization of resources.



It can complicate the records, thereby may result in errors in the company's overall records.

Profits shown by the divisions (ii) are artificial and need to be used only for internal evaluations.

Two Part Transfer Pricing System: This pricing system is again aimed at resolving problems related to distortions caused by the full cost based transfer price.

Here, Transfer price = Marginal cost of production + a lump-sum charge for FC

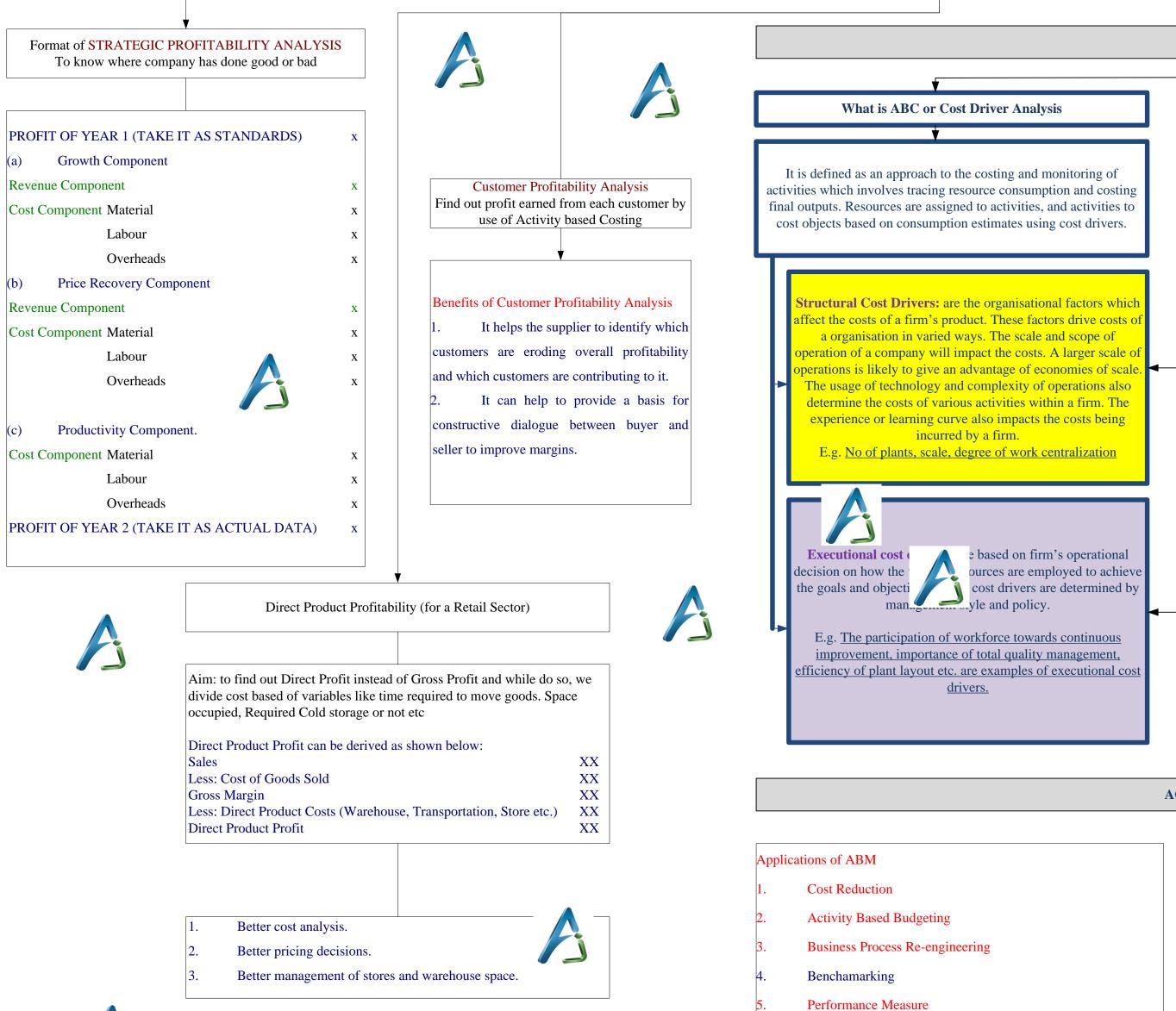
While marginal cost ensures recovery of additional cost of production related to the goods transferred, lump-sum charge enables the recovery of some portion of the fixed cost of the supplying division. Therefore, while the supplying division can show better profitability, the purchasing division can purchase the goods a lower rate compared to the market price.







STRATEGIC ANALYSIS OF INCOME STATEMENT









V

e based on firm's operational ources are employed to achieve cost drivers are determined by

What is Activity Based Management

It is a method of identifying and evaluating activities that a business performs, using activity-based costing to carry out a value chain analysis or a re-engineering initiative to improve strategic and operational decisions in an organization.

Which Activities to Do?

Strategic ABM is about 'doing the right things'. It uses ABC information to determine which products is to be manufactured and which activities is to be used.

This will result in Structural Cost Drivers.

How to Do those Activities?

Operational ABM covers the actions that increase efficiency, lower cost (i.e. reduce the cost driver rate of activities) and lead to higher revenue through better resources utilisation- in short, the action required to do things right. In other words, it is all about 'doing things right',.

This will result in Executional Cost Drivers

ACTIVITY BASED BUDGETING

It is a process of planning & controlling the expected activities for the organisation to derive a cost-effective budget that meets forecast workload & agreed strategic goals. An activity based budget is a quantitative expression of the expected activities of the firm, reflecting management's forecast of workload & financial & non-financial requirements to meet agreed strategic goals and planned changes to improve performance.

WHICH ACTIVITIES TO PERFORM

Value-Added Activities: The VA activities are hose activities which are indispensable in order to complete the process. The customers are usually willing to pay (in some way) for these services. For Example, polishing furniture by a manufacturer dealing in furniture.

Non-Value-Added Activities: The NVA activity represents work that is not valued by the external or internal customer. NVA activities do not improve the quality or function of a product or service, but they can adversely affect costs and prices. Non-Value Added activities create waste, result in delay of some sort, add costs to the products or services and for which the customer is not willing to pay. Moving materials and machine set up for a production run

ACTIVITY BASED MANAGEMENT

Benefits of Activity Based Cost Management Provision of excellent basis and focus for cost reduction. Provides operational management with a clear view of HOW to implement an Activity Based Budget? Provision of clear understanding of the underlying causes of business processing costs. Provision of excellent basis for effectiveness of management decision making.

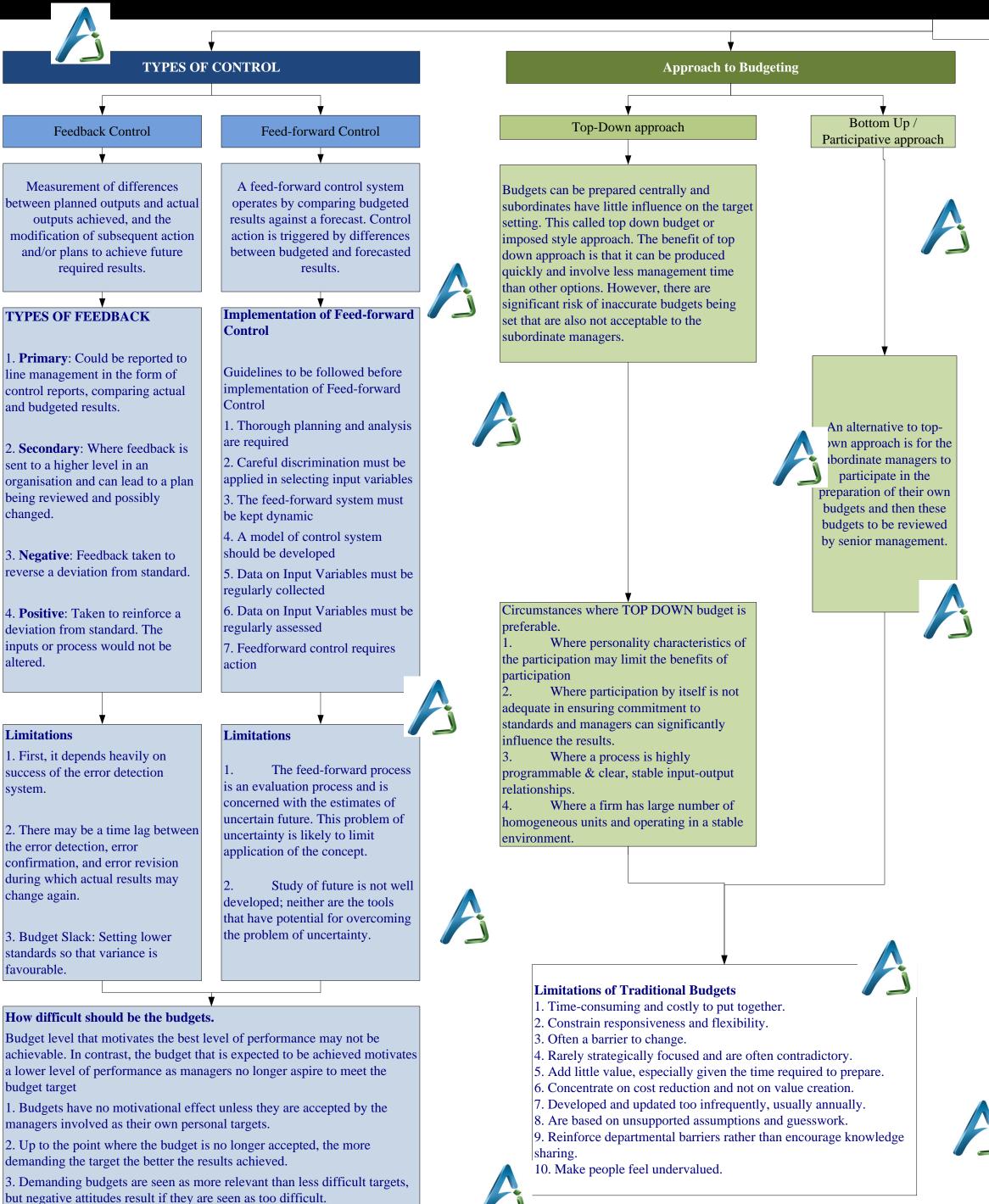
> Identification of key process waste elements, permit management prioritisation and leverage of key resources.

BUDGETARY CONTROL

Budget is an estimation of revenues and expenses over a specified future period of time which needs to be compiled and re-evaluated on a periodic basis based on the needs of the organisation.

Budgetary Control is the process by which budgets are prepared for the future period and are compared with the budgets, and adjust

performance, as it is needed. **Approach to Budgeting**



4. Acceptance of budgets is facilitated when good upward communication exists. Do regular meetings.

Beyond Budgeting (BB)

An idea that companies need to move beyond budgeting because of the inherent flaws in budgeting especially when used to set contracts. It is argued that a range of techniques, such as rolling forecasts and market related targets, can take the place of traditional budgeting.'

BB identifies its two main advantages.

- It is a more adaptive process than traditional budgeting.
- It is a decentralised process, unlike traditional budgeting where leaders plan and control organisations centrally.

Characteristics of Beyond Budgeting

- The rolling budgets may incorporate KPIs.
- Benchmarking can be incorporated in budgets. 2
- 3. Here the focus of the managers shift to improving future results.
- Allow operational managers to react to the environment.
- Encourage a culture of innovation.
- 6. More timely allocation of resources.

Nature of 'Beyond Budgeting'

- Budgeting is evolving, rather than becoming obsolete- it depends on trust and transparency.
- 2. Shift from the top-down, centralised process to a more participative, bottom-up exercise in many firms.
- 3. It highlights the level of improvement that can be achieved even with relatively simple modifications and a great deal of trust.
- Budgeting has changed, the change has been neither dramatic nor radical. Instead, incremental improvements, with traditional
- budgets being supplemented by new tools and techniques.
- 5. Forecasting in fact is more important.

Suitability of Beyond Budgeting

- Industries where there is rapid change in the business environment Flexible targets will be responsive to change.
- Industries using management methods such as TQM. Continuous improvement will be the key.
- 3. Industries undergoing radical change, e.g. using BPR. - Budgets may be hard to achieve in such circumstances.

Benefits of the 'Beyond Budgeting' Model

Beyond budgeting helps managers to work in coordination to beat the competition. Internal rivalry between managers is reduced as target shifts to competitors.

- Helps in motivating individuals by defining clear responsibilities and challenges.
- It eliminates some behavioural issues by making rewards team-based.
- Proper delegation of authority to operational managers who are close to the concerned action and can react quickly.
- Operational managers do not restrict themselves to budget limits and focus on achieving key ratios.
- It establishes customer-orientated teams.
- 7. It creates information systems which provide fast and open information throughout the organization

Implementation of Beyond Budgeting

- Define the case for change and provide outline vision.
- Be prepared to convince the board
- 3 Get started
- Design and implement new process.
- Train and educate people
- Rethink Role of finance 6.
- Change behavior new process, not management orders
- Evaluate the benefits
- Consolidate the Gains.





