#### **Course Content**

#### **SYLLABUS**

Course Code	Category	Hours/ Week			Credits	Maximum Marks		
		L	Т	Р	2	CIA	SEE	TOTAL
		3	1	0	3	25	75	100
Contact Classes:	<b>Tutorial Classes:</b>	Pra	actic	al Cla	asses: Nil	Total Classes:		

#### **CourseObjective:**

To understand the Management Concepts, applications of Concepts in Practical aspects of businessand developmentofManagerial SkillsforEngineers.

## **CourseOutcome:**

The students understand the significance of Management in their Profession. The variousManagement Functions like Planning, Organizing, Staffing, Leading, Motivation and Controlaspects are learnt in this course. The students can explore the Management Practices in theirdomainarea.

# UNIT-I:

Introduction to Management: Definition, Nature and Scope, Functions, Managerial Roles, Levels of Management, Managerial Skills, Challenges of Management; Evolution of Management- ClassicalApproach- Scientific and Administrative Management; The Behavioral approach; The

Quantitativeapproach; TheSystemsApproach; ContingencyApproach, ITApproach.

# UNIT-II:

# PlanningandDecisionMaking:GeneralFrameworkforPlanning-

PlanningProcess,TypesofPlans,Management by Objectives; Production Planning and Control. Decision making and Problem Solving -Programmed andNon Programmed Decisions,Stepsin ProblemSolvingand Decision

Making;BoundedRationalityandInfluencesonDecisionMaking;GroupProblemSolvingandDecisi onMaking,Creativityand Innovationin ManagerialWork.

## **UNIT-III:**

**OrganizationandHRM:**PrinciplesofOrganization:OrganizationalDesign&OrganizationalStruct ures;Departmentalization,Delegation;Empowerment,Centralization,Decentralization,Recentrali zation;OrganizationalCulture;OrganizationalClimateandOrganizationalChange.

HumanResourceManagement&BusinessStrategy:JobSatisfaction,JobEnrichment,JobEnlargeme nt, Talent Management, Strategic Human Resource Planning; Recruitment and Selection;Trainingand Development;Performance Appraisal.

## **UNIT-IV:**

Leading and Motivation: Leadership, Powerand Authority, Leadership Styles; Behavioral Leadership, Situational Leadership, Leadership Skills, Leader as Mentor and Coach,

Leadership during adversity and Crisis; Handling Employee and Customer Complaints, Team Leadership.

Motivation - Types of Motivation; Relationship between Motivation, Performance and Engagement, Content Motivational Theories-Needs Hierarchy Theory, Two Factor Theory, TheoryX and TheoryY.

## UNIT-V:

**Controlling:** Control, Types and Strategies for Control, Stepsin Control Process, Budgetary and Non-Budgetary Controls. Characteristics of Effective Controls, Establishing control systems, Control frequency and Methods.

# **TEXTBOOKS:**

- 1. Management Essentials, AndrewDuBrin,9e,CengageLearning,2012.
- 2. FundamentalsofManagement,StephenP.Robbins,PearsonEducation,2009.

# **REFERENCEBOOKS:**

- 1. EssentialsofManagement,KoontzKleihrich,Tata Mc-GrawHill.
- 2. ManagementFundamentals,RobertNLussier,5e,CengageLearning,2013.
- 3. IndustrialEngineeringandManagement:IncludingProductionManagement,T.R.Banga,S. C.Sharma,Khanna Publishers.

# INTRODUCTION TO MANAGEMENT

A business develops in course of time with complexities. With increasing complexities managingthe business has become a difficult task. The need of existence of management has increasedtremendously.Managementisessentialnotonlyforbusinessconcernsbutalsoforbanks,schools, colleges, hospitals, hotels, religious bodies, charitable trusts etc. Every business unit hassome objectives of its own. These objectives can be achieved with the coordinated efforts ofseveral personnel. The work of a number of persons are properly coordinated to achieve theobjectivesthrough the processofmanagement isnota matterof pressing a button, pullingalever, issuing orders, scanning profit and loss statements, promulgating rules and regulations. "PeterF.Druckerhasstatedinhisfamousbook"ThePracticeofManagement"that, "theemergence of management as an essential, a distinct and leading social institution is a pivotaleventin social history.

Managementisavitalaspectoftheeconomiclifeofman, which is an organized group activity. It is considered as the indispensable institution in the modern social organization marked

byscientificthoughtandtechnologicalinnovations.Oneortheotherformofmanagementisessential wherever human efforts are to be undertaken collectively to satisfy wants through some productive activity, occupation or profession. It is management that regulates man's productive activities of material Without through coordinated use resources. the leadership provided bymanagement, the resources of production remain resources and never become production. Management is the integrating force inall organized activity. Whenever two or more peoplework together to attain a common objective, they have to coordinate their activities. They also have to organize and utilize their resources in such a way as to optimize the results. Not only inbusiness enterprises where costs and revenues can be ascertained accurately and objectively butalso in service organizations such as government, hospitals, schools, clubs, etc., scarce resourcesincluding men, machines, materials and money have to be integrated in a productive relationship, and utilized efficiently towards the achievement of their gals. Thus, management is not unique tobusinessorganizationsbutcommontoallkindsofsocialorganizations. Management has a chieved an enviableimportancein recent times.

#### DEFINITIONSOFMANAGEMENT

Henry Fayol, "To mange is to forecast and plan, to organize, to compound, to co-ordinate and tocontrol."

Harold Koontz says, "Management is the art of getting things done through and within formallyorganized group."

Peter F. Druckerdefines, "management is an organ; organs can be described and defined onlythrough their functions".

**Terry**, "Management is not people; it is an activity like walking, reading, swimming or running.People who perform Management can be designated as members, members of Management orexecutiveleaders."

**Ralph C. Davis** has defined Management as, "Management is the function of executiveleadershipanywhere."

#### NATURE OF MANAGEMENTOR FEATURESOFMANAGEMENT

- 1) **Management is a social process:-**Social process refers to the series of activities that areperformed in the society. These activities are carried outby administrators, politicians, economists, house wives, businessmen and so on. Management helps everyone to carry out the activities in the society effectively.
- 2) **Bodyofpeople:-**Managementalsodenotesa\_bodyofpeople'involvedindecision-making.
- 3) **Managementisomnipresent**:-Managementprinciplesareappliedtoeverykindoforganizationand also to everylevel in it.
- 4) It is an inexact science:- Management principles are not like those in sciences or mathswhere things are fairly clear or exact. Management deals with people ad it is difficult topredict their behavior accurately. It falls in area of social science. Its principles are situationbound, so their applicabilitydoes notgive same result everytime.
- 5) It is complex:- Management functions call for a fairly professional approach to manage agivensituation. Businesses are operatingin complexenvironments.
- 6) **Management is situational in nature:-**The same style of management cannot work for thesame situationeverytime.
- 7) **Management is an art and also a science**:- An art is personal skill. The management skillsare highly individual oriented and can be sharpened with more training and practice. It is asystematic body of knowledge, its principles are universally acceptable. Science establishescauseandeffectrelationshipbetweenvariables.Italsoestablishescause-and-effectrelationship between the given factors. It explains what happens if the employees are not paidsalarieson time.

# 8) Managementisaprofession:-

Professionreferstovocationorabranchofadvancedlearningsuchasengineeringor medicine. Managersareprofessional intheir approach.

9) Management is inter-disciplinary:- The subject of management is heavily dependent

onotherdisciplinessuchaseconomics, operations research, statistics, sociology, Psychology and math ematics etc.

10) Manager has 4 types of resources:- The 4 M's Men, Money, Materials and Machines tomanage.

## SCOPEOFMANAGEMENT

Management is an all pervasive function since it is required in all types of organized Endeavour, Thus, its scope is very large. The following activities are covered under the scope of management :

# **1.** ProductionManagement:

Production means creation of utilities. This creation of utilities takes place when raw materialsareconvertedintofinishedproducts.Productionmanagement,then,isthatbranchofmanagement \_\_which by scientific planning and regulation sets into motion that part of enterprisetowhichhasbeenentrustedthetaskofactualtranslationofrawmaterialintofinishedproduct.'

Plantlocationandlayout, production policy, type of production, plantfacilities, material handling,

production planning and control, repair and maintenance, research and development, simplification and standardization, quality control and value analysis, etc., are the main problems involved in production management.

## 2. MarketingManagement:

Marketing management refers to the planning, organizing, directing and controlling the activities of the persons working in the market division of a business enterprise with the aim of achieving the organization objectives. Market analysis, marketing policy, brand name, pricing, channels of distribution, sales promotion, sale-mix, after sales service, market research, etc. are the problems of marketing management.

# 3. FinancialManagement:

Financeisviewedasoneofthemostimportantfactorsineveryenterprise.Financialmanagementisconcerne dwiththemanagerialactivitiespertaining totheprocurementandutilization of funds or financefor business purposes.

## Themainfunctionsoffinancial managementinclude:

- a. Estimationofcapitalrequirements.
- b. Ensuringafairreturntoinvestors.
- c. Determiningthesuitablesourcesof funds.
- d. Layingdown theoptimumand suitablecapital.

# 4. PersonnelManagement:

Personnel Management is that phase of management which deals with the effective control and use of manpower. Effective management of human resources is one of the most crucial factors associated with the success of an enterprise. Personnel management is concerned with managerial and operative functions.

# Functionsofpersonnelmanagementinclude:

- a) Personnelplanning.
- b) Organizingbysettingupthe structureofrelationship amongjobs, personnel.
- c) Directingandcontrollingtheemployees
- d) Procurementof rightkind and number of persons
- e) Traininganddevelopmentofemployees
- f) Determinationofadequateandequitable compensationofemployees
- g) Integrationoftheinterests ofthepersonnelwith thatoftheenterprise
- h) Providinggoodworkingconditionsandwelfareservicestotheemployees.

# 5. OfficeManagement:

The conceptof management when applied to office is called\_office management'. Office management is the technique of planning, coordinating and controlling office activities with aview to achieve common business objectives. One of the functions of management is to organize the office work in such a way that it helps the management in attaining its goals. It works as a service department for other departments. The success of a business depends upon the efficiency of its administration. The efficiency of the administration depends upon the information supplied to it by the office.

HarryH.Wyliedefinesofficemanagementas-themanipulationandcontrolofmen, methods, machines and material to achieve the best possible results—results of the highest possible quality with the expenditure of least possible effect and expense, in the shortest practicable time, and in a mann eracceptable to the top management.

## FUNCTIONSOFMANAGEMENT

According to Henry Fayol, -Tomanage is to forecast and plan, to organize, to command, & to

controll.WhereasLutherGullickhasgivenakeyword'**POSDCORB**'wherePstandsforPlanning, O for Organizing, S for Staffing, D for Directing, Co for Co-ordination, R for reporting&BforBudgeting.ButthemostwidelyacceptedarefunctionsofmanagementgivenbyKOONTZ andO'DONNELi.e.Planning,Organizing,Staffing,DirectingandControlling.

1) **Planning**: Planning is the conscious determination of future course of action. This involves why an action, what action, how to take action, and when to take action. Thus, planningincludes determination of specific objectives, determining projects and programs, settingpolicies and strategies, setting rules and procedures and programs planning involves

essentially four stages: 1. Identifying the goal to be achieved 2. Exploring the courses ofaction available to reach this goal 3.Evaluating each course of action 4.Selecting the bestcourseofaction for implementation.

- 2) Organizing: Organizing is the process of dividing work into convenient tasks or duties, grouping of such duties in the form of positions, grouping of various positions into departments and sections, assigning duties to individual positions, and delegating authority toeach positions carried that the work is out as planned. It is viewed bridge SO as а connectingtheconceptualideadevelopedincreatingandplanningtothespecificmeansforaccomplish menttheseideas.
- 3) Staffing: Ascertain how many positions are there in the organization and at what level. Oncethis information is available, the next task is to collect details such as what type of candidatesare required for each level and accordingly fill these positions with right people. Staffing isprocess which includes recruitment, selection, training, placement, appraisal, promotion and careerplanning.
- 4) **Directing**: when people are available in the organization, they must know what they are expected to do in the organization. Superior managers fulfill this requirement by communicating to superior managers fulfill the superior bordinatesabouttheirexpectedbehavior.Oncesubordinatesareoriented, the superiors have continuous responsibility of guiding and leading them for betterwork performance and and motivating them to work with zeal enthusiasm. Thus. directingincludescommunicating, motivating and leading. Organizing as a process involves: a) Identifi cation of activities.b)Classification of groupingofactivities.c)Assignmentof duties.

d) Delegation of authority and creation of responsibility.e) Coordinating authority and responsibility relation of the second second

ationships.

- 5) **Controlling**:Controlling involvesidentificationofactualresults, comparisonofactualresults with expected results as set by planning process, identification of deviations between the two, if any, and taking of corrective action so that actual results match with expected results.
- 6) **Reporting:** The Managers are the coordinators and leaders of the organization. And the coordinators hold the responsibility of reporting status and position of the organization before the interested groups of people, such as shareholders, stakeholders, Top Management, Administr ators, Board of Directors, Employees, Trade unions, Customers, Financiers and soforth. So, the management informs and inspires the relevant groups about their objectives, status and reputation.
- 7) Budgeting: A budget is a financial plan for a defined period of time, usually a year. It mayalso include planned sales volume and revenues, resource quantities, costs and expenses, assets, liabilities and cash flows.Budgeting is a process of preparing estimates of futuresales, expenses, revenues, cash flows, etc. Some authors say the budgeting is include inplanningfunction, butLutherGullick considered this asaseparate function.

# MANAGERIALROLES

Likewe performdifferentrolesinour family (suchasfather, son, brother, mother, sister, daughter and so on), the manager also performs several roles though officially they are given one job title (such as trainer, monitor, leader, counselor, mentor, coach, advisor, controller etc.). Dr. Henry Mintzberghas explained tenroles of manager in his report-Managerial work: Analysis From Observation.

## **1.** InterpersonalRoles

- a) **Figurehead**: Manager as a figurehead, performs all symbolic legal and social duties and discharges all social, legal and ceremonial obligations. He inspires the employees and shareholders with vision, mission and action plans. He plans, organizes and controls thebusiness.
- b) **Leader** :As a leader, every manager must motivate and encourage his employees. Hemustalso tryto reconciletheir individual needs with the goals of the organization.
- c) Liaison :He forms relationship with outside the department or organization to

obtaininformationuseful forhis organization.

#### 2. InformationalRoles

- a) **Monitor:**Asamonitor,themanagerhastoperpetuallyscanhisenvironmentforinformation, interrogate his liaison contacts and his subordinates, and receive unsolicitedinformation,much ofit as result of the network of personal contacts he has developed.
- b) **Disseminator:** In the role of a disseminator, the manager passes some of his privilegedinformationdirectlyto his subordinates whowould otherwisehaveno access to it.
- c) **Spokesman** :In this role, the manager informs and satisfies various groups and peoplewhoinfluencehisorganization.Thus,headvisesshareholdersaboutfinancialperformance, assuresconsumergroupsthattheorganizationisfulfillingitssocialresponsibilitiesandsatisfies governmentthat theoriginationis abidingbythe law.

## 3. DecisionalRoles

- a) **Entrepreneur** :In this role, the manager constantly looks up for new ideas and seeks to improve his unit by adapting it to changing conditions in the environment.
- b) **Disturbance Handler (Trouble Shooter) :**In this role, the manager has to work like afirefighter.Hemustseeksolutionsofvariousunanticipatedproblems–astrikemayloom large a major customer may go bankrupt; a supplier may renege on his contract, and so on.
- c) **Resource Allocator** :In this role, the manager must divide work and delegate authorityamonghis subordinates.Hemust decidewhowill get what.
- d) **Negotiator :**The manager has to spend considerable time in negotiations. Thus, thechairman of a company may negotiate with the union leaders a new strike issue, theforeman may negotiate with the workers a grievance problem, and so on. In addition, managers in any organization work with each other to establish the organization's long-range goals and to plan how to achieve them. They also work together to provide oneanother with the accurate information needed to perform tasks. Thus, managers act aschannelsofcommunication with theorganization.

# LEVELSOFMANAGEMENT

An enterprise may have different levels of management. Levels of management refer to a line ofdemarcation between various managerial positions in an enterprise. The levels of managementdependuponitssize, technical facilities, and the range of production. The real significance of

levels is that they explain authority relationships in an organization. Considering the hierarchy of authority and responsibility, one can identify three levels of management namely:

 I. Toplevelmanagement:Toplevelmanagementofacompanyconsistsofowners/shareholders,Board

 ofDirectors,itsChairman,ManagingDirector,ortheChiefExecutive,or
 theGeneralManager

 orExecutiveCommitteehavingkeyofficers.
 theGeneralManager

Top management is the ultimate source of authority and it lays down goals, policies and plans forthe enterprise. It devotes more time on planning and coordinating functions. It is accountable tothe owners of the business of the overall management. It is also described as the policy makinggroup responsible for the overall direction and success of all company activities. The importantfunctions of top management include:

- a) Toestablishtheobjectivesor goalsofthe enterprise.
- b) Tomakepolicies and frameplans to attain the objective slaid.
- c) Tosetupanorganizational frame worktoconduct theoperations as perplans.
- d) Toassembletheresourcesofmoney,men,materials,machinesandmethodstoputtheplansinto action.
- e) Toexerciseeffective controloftheoperations.
- f) Toprovideoverallleadershiptotheenterprise.

**2. Middle level management :** Middle levelmanagement of a company consists of heads offunctionaldepartmentsviz.PurchaseManager,ProductionManager,MarketingManager,Financial controller, etc. and Divisional and Sectional Officers working under these FunctionalHeads.

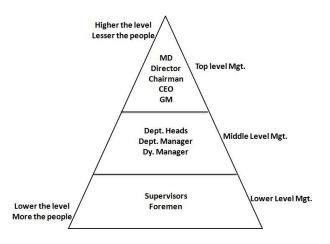
Thejobofmiddlemanagementistoimplementthepolicies and plansframed by the top management. It serves as an essential link between the top management and the lower level or operative management. They are responsible to the top management for the functioning of their departments. They devote more time on the organization and motivation functions of management. Wit hout them the top management's plans and ambitious expectations will not be fruitfully realized. The following are the main functions of middlemanagement:

- a) Tointerpretthepolicies chalkedout bytopmanagement.
- b) Topreparetheorganizational setupin theirowndepartments.

- c) Torecruit and select suitable operative and supervisory staff.
- d) Toassignactivities, duties and responsibilities for timely implementation of the plans.
- e) To compileall the instructions and issue them to supervisor under their control.
- f) Tomotivatepersonneltoattainhigherproductivityandtoreward themproperly.
- g) To cooperate with the other departments for ensuring a smooth functioning of the entire organization
- h) Tocollectreportsandinformationonperformance intheirdepartments.
- i) Toreporttotopmanagement
- j) Tomakesuitablerecommendationstothetopmanagementforthebetterexecutionofplansand policies.

**3. Lower level management:** It is placed at the bottom of the hierarchy of management, and actual operations are the responsibility of this level of management. It consists of foreman, supervisors, sales officers, accounts officers and so on. They are in direct touch with the rank and file or workers. Their authority and responsibility is limited. They pass on the instructions of themiddlemanagement to workers.

They interpret and divide the plans of the management into short-range operating plans. They arealso involved in the process of decisions-making. They have to get the work done through theworkers. They allot various jobs to the workers, evaluate their performance and report to themiddle level management. They are more concerned with direction and control functions ofmanagement. Theydevotemore in the supervision of the workers.



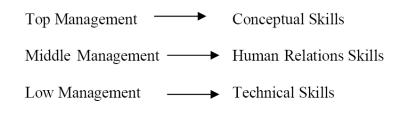
# MANAGERIALSKILLS

A skill is an individual's ability to translate knowledge into action. Hence, it is manifested in anindividual's performance. Skill is not necessarily inborn. It can be developed through practice and through relating learning to one's own personal experience and background. In order to beable to successfully discharge his roles, a manager should possess three major skills. These areconceptualskill, human relations skill and technical skill.

**1. Conceptual skill:** The Conceptual Skill which deals with ideas refers to the ability of amanager to take a broad and farsighted view of the organization and its future, his ability to thinkin abstract, his ability to analyze the forces working in a situation, his creative and innovativeability and his ability to assess the environment and the changes taking place in it. In short, it is ability to conceptualize the environment, the organization, and his own job, so that he can setappropriategoalsforhisorganization, forhimselfandforhisteam. Thisskillseemstoincreaseinimportan ceasmanager movesup to higher positions of responsibility in the organization.

**2. Technical Skill:** The technical skill which deals with things is the manager's understanding of the nature of job that people under him have to perform. It refers to a person's knowledge and proficiency in any type of process or technique. In a production department this would mean an understanding of the technicalities of the process of production. Whereas this type of skill and competences eemstobe more important at the lower levels of management, its relative importance as a part tofthe managerial roled iminishes as the managermoves to higher positions.

**3. Human relations skill:** The Human Relations Skill which deals with people is the ability to interact effectively with people at all levels. This skill develops in the manager sufficient ability (a) to recognize the feelings and sentiments of others; (b) to judge the possible actions to, and outcomes of various courses of action he may undertake; and (c) to examine his own concepts and values which may enable him to develop more useful attitudes about himself.



# CHALLENGESOFMANAGEMENT

In the present scenario it is difficult for the organizations to survive. The challenges and the competition bring organizations more opportunities.

**1. Economic Pressure:** During difficult economic times, effective management is often at apremium. Anybody can run a company when business is booming. The difference between a badmanagement and a good management reflects the difference between making a lot of money andmaking a lot more money. In tough times the difference between a good and a bad management canbethe differencebetween profit or loss or ultimately between survival and failure.

**2. Globalization:** Globalization refers to the free movement of goods, services and people acrossthe world. Today we are living in a global village. We are now not just national citizens but wehave become a global citizen. Globalization in its literal sense is the process or transformation oflocal or regional phenomena into global ones. Globalization is often used to refer to economicglobalization, that is, integration of national economies into the international economy throughtrade, foreigndirect investment, capitalflows, migration, and thespreadoftechnology.

Globalization makes it possible for companies to find economies with cheaper costs and buycomponent parts at a reduced price. Companies can benefit through outsourcing and offshoring.Italso meansfirms would have a global reach thus increasing the potential customers.

3. Change: Businessesshouldembracechange. Change is important for any organization because,

without change, businesses would likely lose their competitive edge and fail to meet theneeds of what most hope to be a growing base of loyal customers. Today the organizations haveto adapt themselves to the changing business environment. If the organization continues with itsold business methods and do not adopt the new strategies then it is likely that the business mightcometoan end.Changecanbeinview oftechnology,culture,growthopportunities etc.

**4. Innovation:** Innovation refers to the process of translating an idea into a good or service thacreatesvalueforwhichcustomerpaymoney.Innovationdiffersfrominventioninthatinnovation refers to the use of a better and, as a result, novel idea or method, whereas inventionrefersmoredirectlytothecreationoftheideaormethoditself.Organizationsarefinding

innovativewaysofmakingtheirexistenceintheworld, beittheadvertisementoftheirproduct, theirservices, theirsocial messageetc.

**5.** Customer Service: Organizations can't exist without customers. Meeting the required needsand demands of the customers has become a challenge for the organization. In the Internet era, achallenge has been to maintain and/or enhance the personal experience while making use of the efficiencies of online commerce. Many organizations are trying to target their customers throughwebportals and allowing the maconvenient approach to the inservices at their homesonly.

**6. Employee Satisfaction:** Employee satisfaction is a measure of how happy workers are with their job and working environment. Keeping morale high among workers can be of tremendousbenefit to any company, as happy workers will be more likely to produce more, take fewer daysoff, and stay the company. Companies are trying new management techniques loyal to to keeptheiremployeessatisfied in order to derive maximum productivity from them. Keeping employees motivated, help improving their skills, providing assistance in case of crisis, are someof the practices followedbytheorganizations.

7. **OrganizationEthics:**Simplyspeaking,ethicsmeansbeinggoodanddoinggood.Organizational Ethics is the ethics of an organization, and it is how an organization ethicallyresponds to an internal or external stimulus. Behaving ethically in business is widely regarded asgoodbusiness practice.

8. SocialResponsibility:Socialresponsibilityincludesaccountability,transparency,ethicalbehavior, respect to stakeholders interest, respect for human rights and respect to law. Socialresponsibility isadutyofevery individualororganizationwhichhastoperformsoastomaintain a balance between the economy and the ecosystem. Businesses can use decision makingto secure their businesses by making decisions that allow for government agencies to minimize their involvement with the corporation.

**9. Pressure from World Organizations:** Many world organizations such as WTO, GATT, IMP,World Bank etc. has a great influence on the working of the multinational organizations as wellas on national organizations. The organizations have to follow the rules, principles and variousarticles laid down by these World organizations.

#### **EVOLUTIONOFMANAGEMENT**

The origin of management can be traced back to the days when man started living in groups. History reveals that strong men organized the masses into groups according to their intelligence, physical and mental capabilities. Evidence of the use of the well recognized principles of managination of the second sec ement is to be found in the organization of public life in ancient Greece, the organizationoftheRomanCatholicChurchandtheorganizationofmilitaryforces.Thusmanagementinso me form or the other has been practiced in the various parts of the world since the dawn ofcivilization. With the onset of Industrial Revolution, however, the position underwent a radicalchange. The structure of industry became extremely complex. At this stage, the development of aformal theory of management became absolutely necessary. It was against this background thatthe pioneers of modern management thought laid the foundations of modern management theoryandpractice.

The classical development of management thoughts can be divided into-the scientific management, the administration/organizational management, the behavioral management and the quantitative management. The first two (scientific management school and organizational) emerged in late 1800s and early 1900s were based on the management belief that people were rational, economic creatures choose a course of action that provide the greatest economic gain. The seschools of management thoughts are explained as below:

## 1. TheScientificManagement:

**F.W.Taylor** (1856-1915): Frederick Winslow Taylor well-known as the founder of scientificmanagementwasthefirsttorecognizeandemphasistheneedforadoptingascientificapproachto thetaskofmanaginganenterprise. Hetriedtodiagnose the causes of lowefficiency in industry and came to the conclusion that much of waste and inefficiency is due to the lack of order and system in the methods of management. He therefore, suggested that those responsible for management should adopt a scientific approach in their work, and make use of "scientific method" for achieving higher efficiency. The scientific method consists essentially of (a) Observation (b) Measurement (c) Experimentation and (d) Inference.

#### CharacteristicsofScientificManagement

- i. Science, notarule of thumb
- ii. Harmonybetween management andworkers
- iii. Monitorworkersperformance
- iv. Wagesarepaid accordingto piecerate

#### Divisionofwork

#### **ElementsofScientificManagement:**

ThetechniqueswhichTaylorregardedasitsessentialelementsorfeaturesmaybeclassifiedas under:

1. **Work Study:** Work study may be defined as the systematic, objective and criticalexaminationofallthefactorsgoverningtheoperationalefficiencyofanyspecifiedactivityin order to effect improvement. Work studyincludes.

- a) **Methods Study:** It is the systematic investigation of the existing method of doinga job. The management should try to ensure that the plant is laid out in the bestmanner and is equipped with the best tools and machinery. The possibilities of eliminating or combining certain operations maybestudied.
- b) **Motion Study:**It is a study of the movement, of an operator (or even of amachine) inperforminganoperationwith the purpose of eliminating useless motions. It means examining the necessary time to perform a job.
- c) **TimeStudy(workmeasurement):**Thebasicpurposeoftimestudyistodeterminetheprop ertimeforperformingtheoperation.Suchstudymaybeconducted after the motion study.Both time study and motion study help indeterminingthe best methodof doing ajoband thestandardtimeallowed forit.
- d) FatigueStudy:If,astandardtaskissetwithoutprovidingformeasurestoeliminate fatigue, it may either be beyond the workers or the workers may overstrain themselves to attain it. It is necessary, therefore, to regulate the workinghoursand provide forrest pauses atscientificallydetermined intervals.

e) **Rate-setting:**Taylorrecommendedthedifferentialpiecewagesystem,underwhich workers performing the standard task within prescribed time are paid amuch higher rate per unit than

EEE,NRCM

inefficient workers who are not able to come up tothestandard set.

2. **Planning the Task:** Having set the task which an average worker must strive toperform to get wages at the higher piece-rate, necessary steps have to be taken to plan theproductionthoroughlysothatthere is no bottleneck and the work goes on systematically.

3. **SelectionandTraining:**Scientific Managementrequiresaradicalchange inthemethods and procedures of selecting workers. It is therefore necessary to entrust the taskof selection to a central personnel department. The procedure of selectionwill also haveto be systematized. Proper attention has also to be devoted to the training of the workersinthecorrect methods ofwork.

- 4. Standardization: Standardization maybe introduced in respect of the following.
  - a) **Tools and equipment:** By standardization is meant the process of bringing aboutuniformity. The management must select and store standard tools and implements which will be nearly the best of the best of the irkind.
  - b) **Speed:** There is usually an optimum speed for every machine. If it is exceeded, itislikelytoresult in damageto machinery.
  - c) **ConditionsofWork:**Toattainstandardperformance,themaintenanceofstandard conditions of ventilation, heating, cooling, humidity, floor space, safetyetc., is veryessential.
  - d) **Materials:** The efficiency of a worker depends on the quality of materials and themethod ofhandlingmaterials.

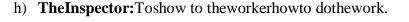
5. **Specialization:** Scientific management will not be complete without theintroduction of specialization. Under this plan, the two functions of 'planning' and 'doing' are separated in the organization of the plant. The `functional foremen' are specialists who join their heads to give thought to the planning of the performance of operations in the workshop. Taylor suggested eight functional foremenunder his scheme of functional foremanship.

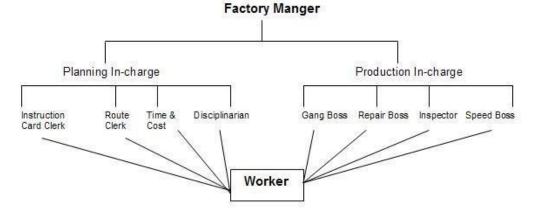
- a) **TheRouteClerk:**Tolaydownthesequenceofoperationsandinstructtheworkers concerned aboutit.
- b) TheInstructionCardClerk:To

preparedetailedinstructionsregardingdifferentaspectsof work.

c) **TheTimeandCostClerk:**Tosendallinformationrelatingtotheirpaytotheworkers and to secure properreturns of workfrom them.

- d) TheShopDisciplinarian: Todeal with cases of breach of discipline and absentee ism.
- e) **TheGangBoss:**Toassembleandsetuptoolsandmachinesandtoteachtheworkersto makeall their personal motions in the quickestand bestway.
- f) **TheSpeedBoss:**Toensurethatmachinesarerunattheirbestspeedsandpropertools areusedbythe workers.
- g) **TheRepairBoss:**Toensurethateachworkerkeepshismachineingoodorderandmaintains cleanlinessaroundhim and hismachines.





6. **Mental Revolution:** At present, industry is divided into two groups – management andlabour. The major problem between these two groups is the division of surplus. Themanagement wants the maximum possible share of the surplusas profit; theworkerswant, as large share in the form of wages. Taylor has in mind the enormous gain thatarises from higher productivity. Such gains can be shared both by the management andworkers the form of increased profits and increased wages.

## CriticismonScientificManagement

- a) **Speedingupofworkers:**ScientificManagementisonlyadevicetospeeduptheworkerswithout much regard fortheirhealth andwell-being.
- b) **Lossofindividualworker'sinitiative:**ScientificManagementreducesworkerstoautomaticmac hine bytakingawayfrom them thefunction ofthinking.

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- c) **Problem of monotony:** By separating the function of planning and thinking from that ofdoing,ScientificManagement reduceswork tomereroutine.
- d) **Reduction of Employment:** Scientific Management creates unemployment and hits theworkershard.
- e) Weakening of Trade Unions: Under Scientific Management, the important issues ofwagesandworkingconditionsaredecidedbythemanagementthroughscientificinvestigationan d the tradeunions mayhavelittle sayin thematter.
- f) **Exploitationofworkers:**ScientificManagementimprovesproductivity through the agency of workers and yet they are given a very small share of the benefit of suchimprovement.
- g) **Heavy Investment:** It requires too heavy an investment. The employer has to meet theextra cost of the planning department though the foreman in this department do not workintheworkshop and directlycontributetowards higher production.
- h) **Loss due to re-organization:** The introduction of Scientific Management requires avirtual reorganization of the whole set-up of the industrial unit. Work may have to besuspended to complete such re-organization.
- i) Unsuitable for small scale firms: various measures like the establishment of a separatepersonnel department and the conducting oftime and motion studies aretoo expensiveforasmall or modest size industrial unit.

# AdvantagesofScientificManagement

- 1. Scientificmanagementimprovedworkingmethodsandbroughtenormousincreaseinproducti vity.
- 2. Piecerate wagesystem wasintroduced and incentive systems were evolved.
- 3. Itlaiddownfoundation forworkstudyandotherrelatedtechniques.
- 4. Scientificselectionandtrainingof employeesleadstobetterworkforcewhichensuresincreasein efficiency.
- 5. Harmoniousrelationship between the workers and the management.
- Opportunityforscientific trainingand developmenttoincreaseskillsknowledgeandcompetency.

- 7. Applicationofscientificmethodsandtechniquesinbetterworkingconditions toreducefatigue.
- 8. Higherwagestotheworkersforhigherproductivity.

## ${\bf Disadvantages of Scientific Management}$

- 1. Itisbasedupononebestwayandisapplicableforsimpleorganizationsthanthatfortoday'sdynamica ndcomplexorganization.
- 2. It focuses on individual performance than group efforts and divides the workers into efficient and inefficient categories.
- 3. Itisfocusedonspecializationandrepetitionofjobstoincreasetheproductivitywhichreducesinnova tion and creativityand promotes monotony.
- 4. Itneglectshumanfactorbecauseitmotivatesworkerstoworkformonetarybenefitsratherthan human resourcedevelopmentand resources.

Thereisnoscopeforcreativityofemployeesbecausetheyaredevelopedbymanagerwhichpromote s frustration.

## 2. TheAdministrativeManagement:

Henry Fayol is generally regarded as the founder of administrative management and heprovided the bases for art of management. Fayol found that industrial activities could bedividedinto sixgroups as shown in figure.

- 1. Technical(Production)
- 2. Commercial(buying,Sellingandexchanging).
- 3. Financial(Searchfor, and optimum use of capital).
- 4. Security(Protection of property and persons).
- 5. Accounting(including Statistics).
- 6. Managerial(Planning,

organization, command, contribution and control). Henri Fayolpointed out that these activities exist in every size of business.



Also, Fayolidentified 14 principles of management. They are:

# Principlesof Management (DADUSEEUSSR?.OISEE...)

- 1. **Division of Work**: According to this principle, work should be divided into small tasks and each task is performed by a person who is specialist in that area. This will save the time and energy needed to complete a task and also increase the speed, accuracy and efficiency of work. According to Fayol, this principle is applicable to both technical and managerial work.
- 2. Authority and Responsibility: Authority is the poweror right to give orders. Fayolproposed that for every authority there should be a corresponding responsibility. Thenonly, a person can work effectively and get efficient results. In the same way, if a personis given a responsibility without an adequate authority, he will not be effective in gettingtherequiredresults.
- 3. **Discipline**: A good discipline is required at all levels for he smooth functioning of anorganization. It includes respect of authority, obedience, proper conduct, fair clear rulesand regulations careful use of penalties. According to Fayol, a good supervision at alllevelshelps to maintain discipline in an organization.
- 4. **Unity of Command**: Unity of Command employs that there should only one boss for anemployee i.e., an employee should be answerable to only one superior and receive ordersonly from him. This helps to avoid confusion regarding what task is to be done, when it is to be done it is to be done.
- 5. **Centralization**: It means the extent to which authority should be concentrated in thehandsoftoplevelmanagement.Itmaybecentralizedordecentralized.Therearelimitationsofco mpletecentralization&completedecentralization.Therefore,thereshouldbeproper balancebetween this two.

- 6. Unity of Direction: This principle says that there should be one head and one plan. Allsimilar activities should be grouped together, be supervised by one and have one plan ofaction. The efforts of all the members of a group must be directed towards the achievement of common goals.
- 7. **Subordination**:Inanorganizationindividualinterestshouldnotbegivenanyimportance.Theman agershouldalwayskeeporganizationalinterestbeforehim&should determine such policies which will be beneficial to entire group & not just fewpersonnel. It is responsibility to management to create common understanding betweenall.Individual interestis subordinated toorganizational interest.
- 8. Scalar Chain: Under this principle, Fayolemphasized on having a formal chainofcommand and communication from the top level management to lower level. The chainshould be strictly followed by all managers and subordinators except in situations of emergency. Such to emergency is referred Fayol Gang Plank. Under Gang Plank by as ,Samelevelmanagerscantalktoeachotherwithoutfollowingtheregularchainofsequences for any decision making in order to avoid any delay in communication. Itshowsthestraight lineof authority from highestlevelto lowerlevel for communication.
- 9. **Remuneration**: According to this principle, employees should be fairly compensated fortheir efforts in achieving organizational objectives. The remuneration should be just and equitable for both the employees and employer, it should be determined based on the work allocated, cost of living, market wage rate for similar work and financial position of an organisation.
- 10. **Order**: This principle stresses on the orderliness of everything and everyone. This meansthat every one working in an organization should be allocated a particular place of workand he should be at that place during working hours. It means keeping the right man orright thing at theright time in the right place.
- 11. **Initiative**: Fayol suggested that employees should be allowed to take initiative in workrelatedmatterswithout beingundisciplined.
- 12. **Stability of Tenure of Personnel**: Retaining productive employees should always be ahigh priority of management. This indicates avoiding frequent transfers of the employeesmuch beforetheysettlein theirjobs.

- 13. **Equity**: According to this principle, everyone in an organization should be equal in theeyes of management. The managers should neither favour any subordinate nor neglectthem; they should give them a fair treatment without discriminating on the basis ofgender, religion, nationality and language. This will make employees more devoted towork.
- 14. Esprit De Corps (Unity is strength): This is a French term. It means manager is like acaptain of a team who is responsible to maintain high moral in all workers. It may bepossible by effective communication among all persons in organization. His understanding & differences in opinions should not be harmful. The best way of takingsuch situation is to establish dialogue between parties. Participation of workers in theprocess of decision making is important. The principle that states an organization must make every effort to maintain group cohesion in the organization. This principle emphasizes on team work. Unity of staffis the foundation of success.

# 3. BehavioralApproach

Elton Mayo's Human Relations Approach: Scientific management theory focused onphysical resources rather than human resources. This theory concentrated on economicneeds of workers but not social needs because it concentrated on improvement of theworking methodsbutnoton the working men.The human relationsapproachisoftencalledthebehavioralmanagementtheory. The criticismofthe Scientifican dAdministrative Management as advocated by Taylor and Fayol, respectively, gave birth toHuman Relation Approach. The behavioural scientists criticized early the managementapproaches for their insensitiveness to the human side of organization. The behaviouralscientists did not view the employees mechanically in work situation, but tried to show that the employees not only have economic needs but also social and psychological needs likeneed for recognition, achievement, social contact, freedom, and respect. Human relationsschoolregards business organization as a psycho-social system.

Professor George Elton Mayo (1880-1949)andhis associates conducted a famous studyon human behaviour at the Hawthorne plant of the Western Electric Company from 1924 to1932and thisstudyformed thefoundation of thisschool of management thoughts.

# HawthorneExperiments:

# 1. LightingExperiments

These experiments were performed to find out the effect of different levels of lighting onproductivity of labour. The brightness of the light was increased and decreased to find outtheeffectontheproductivityofthetestgroup.Surprisingly,theproductivityincreasedeven when the level of lighting was decreased. It was concluded that factors other than lightwere also important.

# 2. RelayAssembly TestRoomStudy

Under this test, two small groups of six female telephone relay assemblers were selected.Each group was kept in separate rooms. From time to time, changes were made in workinghours, rest periods, lunch breaks, etc. They were allowed to choose their own rest periods and to give suggestions. Output increased in both the control rooms. It was concluded thatsocial relationship among workers, participation in decision-making, etc. hadagreatereffecton productivity than working conditions.

# 3. MassInterviewingProgramme

21,000 employees were interviewed over a period of three years to find out reasons for increased productivity. It was concluded that productivity can be increased if workers areallowed to talk freelyabout matters that are important to them.

The basic hypotheses of this study as well as the basic propositions of the Human RelationApproacharethefollowing:

- 1. The social and psychological factors are responsible for workers' productivity and jobsatisfaction.Onlygoodphysicalworkingconditionsarenotenoughtoincreaseproductivity.
- 2. The informal relations among workers influence the workers' behaviour and performancemore than the formal relations in the organisation.
- 3. Employeeswillperformbetteriftheyareallowedtoparticipateindecision-makingaffectingtheir interests.
- 4. Employees will also work more efficiently, when they believe that the management is interested in their welfare.
- 5. When employees are treated with respect and dignity, their performance will improve.
- 6. Financial incentives alone cannot increase theperformance. Social andPsychologicalneedsmust also be satisfied in order to increase productivity.

- 7. Good communication between the superiors and subordinates can improve the relations and the productivity of the subordinates.
- 8. Special attention and freedom to express their views will improve the performance of theworkers.

The human relations approach is concerned with recognition of the importance of humanelement in organizations. It revealed the importance of social and psychological factors indetermining worker's productivity and satisfaction. It is instrumental in creating a newimageofmanandtheworkplace. However, this approach also didnot gowithout criticism. It was criticized that the approach laid heavy emphasis on the human side as against the organizational needs. However, the contribution of this approach lies in the fact that it advises managers attach importance to the human side of an organization.

## CriticismsonHumanRelationsApproach

- 1. Lacks Validity : The Hawthorne experiments were conducted under controlled situations. These findings will not work in real setting. The workers under observation knew about the experiments. Therefore, they may have improved their performance only for the experiments.
- 2. More Importance to Human Aspects : This approach gives too much importance to humanaspects.Humanaspectsalonecannotimproveproduction.Productionalsodependsontechnolog icaland other factors.
- 3. **More Emphasis on Group Decision-making** : This approach places too much emphasis ongroupdecision-making.Inrealsituation,individualdecision-makingcannotbetotallyneglected especiallywhen quickdecisions are required andthereisnotime to consult others.
- 4. **Over Importance to Freedom of Workers** : This approach gives a lot of importance to freedomoftheworkers. It does not give importance to the constructive role of the supervisors. In reality too much of freedom to the workers can lower down their performance or productivity.

**Maslow's Need Hierarchy Approach:**-Abraham. H. Maslow developed a need hierarchy toexplain human bevaviour within an organization. According to his writings, the humans workattitude depends on their needs. His theory states that the human beings work according to theirneeds. One may work for food, while other for status. Thus a good manager will extract the workformhis subordinate byprovidingandfulfillingthesuitableneed.

**McGregor's Theory X and Theory Y:-**McGregor classified the people into two categories asTheory-Xtype(workavoiders)andTheory–Ytype(workacceptors).Theessenceofmanagement according to his theory is that the leader should identify the type of behavior of hissubordinate and accordingly. A manager has to use a carrot approach (pat the employees) fortheoryY peoplewhile a stick (punish theemployees) for theoryX people.

#### 4. TheQuantitativeApproach:

Thequantitativeapproachtomanagement, sometimesknownasoperationsresearchormanagement science, uses quantitative techniques to improve decision making. This approachincludes applications of statistics, optimization models, information models, and computersimulations. The quantitativeapproach originated during World War II as mathematical and statistical solutions to military problems were developed for wartime use. The relevance of quantitative approach today is that it has contributed most directly to managerial decisionmaking, particularly in planning and controlling. The availability of sophisticated computersoftware programs has made the use of quantitative techniques more feasible for managers. Techniques such as linear programming, simulation, queuing theory, network analysis, etc. are extensively use mathematical symbols, relationships and models in analyzing the management problems such as cost minimization, profit maximization, resource optimization, etc. This approachfocuses attention on the fundamental soft analysis and decision making. The Quantitative approach solution tects the solution for the iron time it the management problems and the management problems and the management problems and the management problems and the solution of the solution

eSchoolquantifiestheproblem;generatesolution,teststhesolutionfortheiroptimality and then it recommends. The decisions are optimum and perfect as distinguishedfrom the human behavioral approach, in which decisions are \_satisfying'. This approach isdevoid of any personal bias, emotions, sentiments, and intuitiveness. The main postulates of the quantitative approachareas follows:

- a) Management is a series of decision making. The job of a manager is to secure the bestsolutionout of aseries of interrelated variables.
- b) These variables can be presented in the form of a mathematical model. It consists of asetoffunctional equation which set out the quantitative interrelationship of the variable.
- c) If the model is properly formulated and the equations are correctly solved, one cansecurethebest solution to the model.

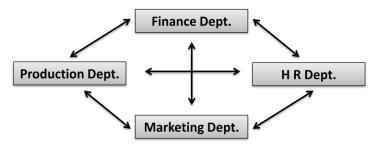
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- d) Organizationsexistfortheachievementofspecific and measurable economic goals.
- e) Inordertoachievethesegoals,optimaldecisionsmustbemadethroughscientificformalreasoni ngbackedbyquantification.
- f) Decisionmakingmodelsshouldbeevaluatedinthelightofsetcriterialikecostreduction, return on investment, meetingtime schedulesetc.
- g) The quality of management is judged by the quality of decisions made indiverses it uations.

AsHaroldKoontzobserved,mathematicsisjustatoolanditcannotbeviewedasschooloraseparatea pproach tomanagement theory.

4. The Systems Approach: A system is a set of interrelated but separate parts workingtowards a purpose. In the 1960s, a new approach to management common appeared which attempted to unify the earliers chool of thoughts. This approach is commonly referred to as \_SystemApproach'. This system is one of the modernapproache stounderstandmanagement. The is based the generalization that is system approach on an organization asystemanditscomponents(departments)areinter-relatedandinter-dependent.-Asystem is composed of related and dependent elements (departments) which, when in interactions, form a unitary whole. On other words, a system may be defined as an organized and purposeful entity of inter-related, inter-dependent and inter-acting elements. Our humanbody is system. In human body, each part of the body is viewed as a sub-system. Thesesubsystemsarefunctionallyrelated to each otherand to thetotal system.

Themanagersmustintertwinetheirdepartmentwiththetotalorganizationandcommunicatewith all otherdepartments, employees and with each other.



#### Thefeatures of Systems Approach

a. Anorganizationisasystemconsistingofseveralsubsystems.Forexample,inabusinessenterpri se production, sales and otherdepartmentsarethesubsystem.

- b. A system consists of interacting elements. It is set of inter-related and interdependentpartsarranged in a manner that produces a unified whole.
- c. The various sub-systems should be studied in their inter-relationships rather, than inisolation from each other.
- d. An organizational system has a boundary that determines which parts are internal andwhichare external.
- e. A system does not exist in a vacuum. It receives information, material and energyfrom other systems as inputs. These inputs undergo a transformation process within asystemand leavethe system as output to other systems.
- f. An organization is a dynamic system as it is responsive to its environment. It isvulnerableto changein its environment.

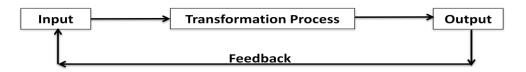
Systems can be open or closed. A **closed system** is not affected by its environment. Forexample, a chuck of iron ore is not substantially affected by its environment. An **opensystem** isasystemthatisaffectedby itsenvironment.Asimpleexampleisalivingorganism,suchasananimal.Mosttheorists treatanorganization asanopen system.

## Theopensystemconsistingoffourbasicelements

- 1. **Inputs**: These are ingredients required to initiate the transformation process. Theyincludehuman, financial, material and information resources.
- 2. **Transformation Process**: The inputs are put through a transformation process thatappliestechnology,operating methodologies,administrative practicesandcontroltechniquesin order to produce the output.
- 3. **Outputs**: The output may be products and/or services, the sale of whichcreatesprofits or losses. This process also has by-product outputs such as worker behaviour, information, environmental pollution, community services and so on.
- 4. Feedback: A feedback loop is used to return the resultant environmental (public orcustomers) feedback to the system as inputs. A negative feedback loop indicates aproblem that should be corrected. For example, the failure of product design indicatedby the need to recall the product. A positive feedback loop can identify outputs thathave worked well. For example, a successful marketing campaign that yields highsales.

If the environment is satisfied with the output, business operations continue. If it is not, changes are initiated within the business systems so that requirements of the customers arefullymet. This is an open system responds to the forces of change in the environment.

**OPEN SYSTEM MODEL** 



# 5. TheContingency orSituationalApproach:

Another important approach which has a risenbecause of the inadequacy of the Quantitative, Behaviou ralandSystemApproachtomanagementistheContingencyApproach. **Pigors** and Myers propagated this approach in 1950. Other contributors includeJoanWoodward,TomBurns,G.W.Stalker,PaulLawrence,JayLorschandJamesThompson. They analyzed the relationship between organization and environment. Theyconcluded that managers must keep the functioning of an organization in harmony with the needs of its members and the external forces. Management is situational and lies in identifying the important of the state of theportantvariables in a situation.

The basic theme of contingency approach is that organizations have to cope with differentsituations in different ways. Organizations behave as situation demands. In other words, decision making is contingent on situations. As situation changes, the solutions also differ. Management problems vary with situation and require to be handled differently as situationdemands. No two situations are absolutely identical. Therefore, each situation requires itsown unique situation. **For example**, you may have chosen to construct building in acertain way with certain strategies, but that same approach may not work for differentbuildingsbecausetheyrequireacompletelydifferentapproach. The functioning of manager s is not a manager's choice. It is contingent on external or internal environment orboth. Therecannotbe particular management action which will be suitable for all situations. The management must keep the functioning of an organization in harmony with the external forces.

According to Kastand Rosenzweig, -The contingency view seeks to understand the interrelationships within and among sub-system as well as between the organization and itsenvironmentandtodefinepatternsofrelationshipsorconfigurationsofvariables.Contingency views are ultimately directed towards suggesting organizational designs andmanagerial actions most appropriate for specific situations. The approach has been used inimportant sub systems fmanagement likeorganization, design, leadership, behaviourchange and operation.

## Featuresofcontingencyapproach

- a) Managementisentirelysituational.Theapplicationandeffectivenessofanytechniquesis contingenton the situation.
- b) Management action is contingent on certain action outside the system or subsystem asthe casemaybe.
- c) Management should, therefore, match or fit its approach to the requirements of theparticular situation. To be effective management policies and practices must respondtoenvironmental changes.
- d) Organizational action should be based on the behaviour of action outside the systemsothat organization should beintegrated with the environment.
- e) Management should understand that there is no one hard way to manage. They mustnotconsidermanagement principles and techniques universal.

In order to operationalise the contingency approach, managers need to know the alternatives for different situations. It may be operationalized as a \_if then' approach to management. The environment (If) is an independent variable where as management (when) is a dependent variable. In this model, a manager has to take four sequential steps:

- a) Analyzeandunderstandthesituation,
- b) Examinetheapplicabilityorvalidityofdifferentprinciplesandtechniquestothesituationat hand,
- c) Maketheright choicebymatchingthe techniquesto thesituations,
- d) Implementthechoice.

# 6. TheITManagement Approach:

IT managers focuses on the information technology resources in accordance with its needs andpriorities. The resources include tangible investments like computer hardware, or intangiblesoftware,data,networks and datacentrefacilities, as wellasthestaff hiredtomaintainthem.

Moreover, the IT manager use the important terminology, facts, concepts, principles, analytictechniques, and theories to apply when analyzing complex actual situations and integrates when developing solutions to IT management multiface ted problems of these complex situations.

Of course, the basic management functions, like budgeting, staffing, change management, organizing and controlling are inherently embedded in this style of management, but the beautyof this style is that the management uses software design, network, planning, tech support, etc. that requires little manpower.

## **Examples:**

- Business/ITalignment:Thebusinessesmaintainthedatabaseoftheircustomerstoalertthemasandwh ena serviceisrequired forthem.
- ≻ E-

Governance: The government can perform registrations and issuecertificates. These rvices of govern ment to the people can be made available at their doors teps.

- ITfinancialmanagementandservicemanagement:Thetaxmanagement,complaintresolutions,prop ertydealings, financialservices,bankingactivitiesaresome examples.
- SourcingandITenabledservices:Transportservices,insuranceservices,healthservicescanbemana gedeasilybycouplingthe sourceand destinationpoints withIT enabled services.

# FeaturesofITManagementApproach

- 1. Togeneratevaluetothethroughtechnology.
- 2. Togeneratevalue, business strategies and technology arealigned.
- 3. Theorganizational relationship between internal and external environments is networked through the echnology to improving the overall value chain of an organization.
- 4. Thetechnologyprovidersbuildproduct-

centric infrastructure and management of fering swith converged in frastructure environments.

#### INTRODUCTIONTOPLANNING

Planning is the most fundamental function of management. An organization can succeed ineffectiveutilization of its human, financial and material resources. Planning involves determination of objectives of the business, formation of programs and courses of action for their attainment, development of schedules and timings of action and assignment of responsibilities for their implementation. Planning thus precedes all efforts and action, as it is the plans and programs that determine the kind of decisions and activities required for the attainment of the desired goals. In the absence of planning, it will be impossible to decide what activities are required, how they should be combined will into iobs and departments, who be responsible forwhatkindofdecisionsandactions, and how various decisions and activities are to be coordinated.

#### DefinitionofPlanning

Planning is the process of deciding in advance what is to be done, who is to do it, how it is to be done and when it is to be done. It is the process of determining a course of action, so as toachieve the desired results. It helps to bridge the gap from where we are, to where we want to go. It makes it possible for things to occur which would not otherwise happen. Planning is a higherorder mental process requiring the use of intellectual faculties, imagination, foresight and soundjudgment.

According to KoontzO"Donnell-"Planning is an intellectual process, the conscious determination of courses of action, the basing of decisions on purpose, acts and considered estimates".

#### PlanningElements

- 1. What will be done what are the objectives of business in the short and in the long run?
- 2. What resources will be required This involves estimation of the available and potential resources, estimation of resources required for the achievement of objectives, and filling the gap between the two, if any.

- 3. **How it will be done** This involves two things : (i) determination of tasks, activities, projects, programs, etc., required for the attainment of objectives, and (ii) formulation of strategies, policies, procedures, methods, standard and budgets for the above purpose.
- 4. Who will do it It involves assignment of responsibilities to various managers relating tocontributions they are expected to make for the attainment of enterprise objectives. This ispreceded by the breaking down of the total enterprise objectives into segmental objectives, resulting into divisional, departmental, sectional and individual objectives.
- 5. When it will be done It involves determination of the timing and sequence, if any, for the performance of various activities and execution of various projects and their parts.

## NATURE/CHARACTERISTICSOFPLANNING

- 1. **Goal oriented**: Planning centers around the corporate mission and goals. So planning is saidto be goal oriented. It contributes positively to achievement of mission and goals. It identifiesthemeasures tobetakento achieve the targeted results efficiently and economically.
- 2. **Intellectual process:** Not everybody can be good at planning. Planning is not guessing. Oneshould be capable of thinking in a systematic manner. It is so because planning demandsintellectual skills such as vision, farsighted outlook, imagination and analytical skills to takerationaldecisions.
- 3. **Involves choice:**There are alternatives available to achieve a particular target. The managerhastoselect thebest alternativebased onthemerits and demerits of each alternative.
- 4. **Basis for other functions:** Since planning is first function of the manager, the results ofplanningform thebasis forall othermanagerial functions.
- 5. **Pervasive in nature:** Planning is essential for all organizations small or big, domestic orforeign, profit-making or non-profit making oriented. Managers at the top, middle an d lowerlevels in any organization have to systematically plan for the future. Thus, planning is said tobeall pervasive.
- 6. **Continuousanddynamic:**Businessenvironmentiscomplexandkeepschanging.Consequently,plan salsoneedtobedynamic.Theyhavetobeworkedoutforagiven

timeframeattheendofwhichtheymustbereviewedandnewplanspreparedforthenextyear. Thus, planningis acontinuous process.

- 7. **Flexibleinnature:**Plansshouldnotberigid.They shouldbeflexibleinnatureandaccommodate achangein circumstances.
- 8. **Intends to enhance efficiency:** the aim of planning is to achieve the maximum targets atminimum cost and quickly. So all plans should be cost effective and worth their investments. The benefits from a planshould bemore than its costs.

#### IMPORTANCEOFPLANNING

- **1. Helps to achieve targets:**Plans are expressed in terms of budgets. Budgets act as targets.Every manager strives hard to achieve a given target. Thus, planning contributes to targetachievement.
- 2. Minimizes uncertainty and risk: Business environment is uncertain and risky. Planning is the onlywayto movetowards certainty and confidence.
- **3. Guideforaction:**Plansdirectpeopletowardsachievinggoals.Aspartofplanning,organizations keep a list of supporting plans, policies, procedures, programs, strategies, rulesandbudgets to guide their people towards thegoals.
- **4. Ensures order:** Organizations walk into chaos if they don<sup>\*</sup>t plan properly. The only way toensureorderistothinkofprobableproblemsinadvanceandcreatethenecessaryinfrastructureto sort them out.
- 5. Improves efficiency: Efficiency means doing things correctly and at minimum cost. Everydepartment has a budget. It means all possible activities have been considered while framingthe budget. Clear plans leave only one task for mangers – their implementation. Planning isboundto improve efficiency.
- **6. Facilitate control:** Plan is a means of control. The actual performance of the organization and also its members can be evaluated based on plans.

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- 7. **Promotesinnovationandcreativity:**Progressiveorganizationsinvolvetheirstaffinorganizational planning. Planning is considered a means to promote innovation and creativityamongthe staff.
- **8. Coordination made easy:** Plans indicate what the employees have to do to attain their goals.Plansmakeit easierformangers to coordinate the efforts of their staff.

## GENERALFRAMEWORKFORPLANNING

**1. Definepresentsituation:**Definethepresentsituation(includesexamininginternalcapabilitiesand externalthreats and opportunities).

**2. Establish goals and objectives:**Establishgoals that cancontinue to focus onwhat thebusinesscan do best

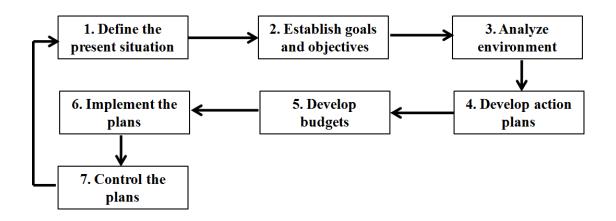
**3. Analyze environment:** Analyze the environment in terms of aids and barriers to goals and objectives: Predict which internal and external factors will foster or hinder attainment of desiredgoals

**4. Develop action plans**: Develop action plans for reaching goals and objectives (without actionplans, goals may not be attained).Develop budgets (most action plans require money, so realisticbudgetshavetobedeveloped).Implementtheplans (plansareoftendevelopedthenforgotten).

5. Developbudgets: Among the expenses would be larger advertising and promotion budgets

**6. Implement the plans:** If the plans developed in the previous five steps are to benefit the firm, theymust beput to use.

**7. Control the plans:** Control the plans (evaluate progress and make any necessary adjustments for lack of progress). Make contingency plans (develop an alternative in case the original plancannot be implemented successfully or at all; an exit strategy might be part of the contingency plan).



## Fig: General Frame Work for Planning

## PLANNINGPROCESS

Thefollowingeight mainsteps are involved in the planning process of an organization.

**1. Identifying Opportunities:** Real planning starts with knowing the availability of differentopportunities. For each opportunity, assess carefully the size of markets, type of markets, type ofcustomers, degree of competition, needs of customers, finances required and the strengths andweaknesses of the firm. Then, identify the right opportunity.

**2. Defining goals:** Once the opportunity is identified, define the goalsyou want to achieve for the entire organization. Goals, in turn, will throw light on what objectives, strategies, policies, procedures, rules, budgets and programs you should follow. This is to be done for the long termas well as for the short range. Goals specify the expected results and indicate the end points of what is to be done, where the primary emphasis is to be placed and what is to be accomplished by the various types of plans.

**3.** Considering Planning Premises: After determination of organizational goals, the next step isestablishing planning premises that is the conditions under which planning activities will beundertaken. Planning premises refers to the assumptions about the environment in which planshave to be carried out. Correct assumptions about markets, completion, product technology, prices, volume of sales, costs, tax rates etc. are essential for business planning. Governmentpolicies, annual budgets, economic indicators, survey of specific industries etc. provide valuableinsightsonthebasisofwhich, premises" canbe workedout.

Thus planning premises are external and internal. **External premises** include total factors in taskenvironment like political, social, technological, competitors, plans and actions, governmentpolicies. **Internal premises** include organization's policies, resources of various types, and theability of the organization to withstand the environmental pressure. The plans are formulated inthelight of both external and internal factors.

**4. Identifying Alternatives:** The fourth step in planning is to identify the alternatives. Variousalternatives can be identified based on the organizational goals and planning premises. The concept of various alternatives suggests that a particular goals can be achieved through variousactions.

**For example**, if an organization has set its goals to grow further, it can be achieved in severalways like expanding in the same Field of business or product line diversifying in other areas, joining hands with other organizations, or taking over another organization and so on. Withineachcategory, theremaybeseveral alternatives.

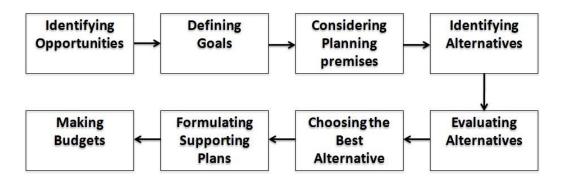
**5. Evaluating Alternatives:** The various alternative courses of action should be analyzed in the light of premises and goals. There are various techniques available to evaluate alternatives. The valuation is to be done in the light of various factors. Example, cash inflow and outflow, risks, limited resources, expected pay back etc., the alternatives should give us the best chance of meeting ourgoals at the lowest cost and highest profit.

6. ChoosingtheBestAlternative:Thebestalternativeischosenonthegivensituation.Normally, it involves optimum utilization of resources. At times, an analysis and evaluation of alternativecourseswilldisclosethattwoormorealternativesareadvisableandbeneficial.Thefitoneis selected.

**7. Formulating Supporting Plans:** After formulating the basic plan, various plan are derived soas to support the main plan. In an organization there can be various derivative plans like planningfor buying equipment, buying raw materials, recruiting and training personnel, developing newproduct etc. These derivative plans are formulated out of the basic or main plan and almostinvariably required to support the basic plan.

**8. Making Budgets:** After formulating basic and derivative plans, the sequence of activities is determined so those plans are put into action. After decisions are made and plans are set, budgets for various periods and divisions can be prepared to give plans more concrete meaning for implementation.

Budget is "numerical expression" of a plan. The overall budgets of an enterprise represent thesum total of income and expenses, with resultant profit or surplus, and budgets of major balancesheet items such as cash and capital expenditures. Each department or program of a business orother enterprisecan have its own budgets, usually of expenses and capital expenditures, which tie into the overall budget.



#### Fig: Steps in Planning

### MANAGEMENTBYOBJECTIVES(MBO)

The term Management By Objectives (MBO) has been popularized by Peter Drucker in his 1954book "*The Practice of Management*" and George S. Odiorne gave depth to the meaning andusageofMBOthroughhisbook "*ManagementByObjectives:ASystemofManagerialLeadership*". It is the process of defining objectives within an organization so that managementand employees agree collectively to the objectives and understand what they need to do in theorganization. It suggests that objectives should not be imposed on subordinates but should bedecided collectively by a concerned with the management. This provides not only supports buteasesandquickness theachievement ofsuch objectives.

It concentrates on the achievement of objectives through participation of all concerned throughteamspirit and trust on oneanother. This not onlysupports butalsoeasesand speeds upreaching the goals. Thus, MBO has become the most widely accepted philosophy of management todaydueto its demandingandrewardingstyle.

The principle behind Management by Objectives (MBO) is to make sure that everybody within the organization has a clear understanding of the aims, or objectives of that organization, as wellasawareness of their own roles and responsibilities in achieving those aims.

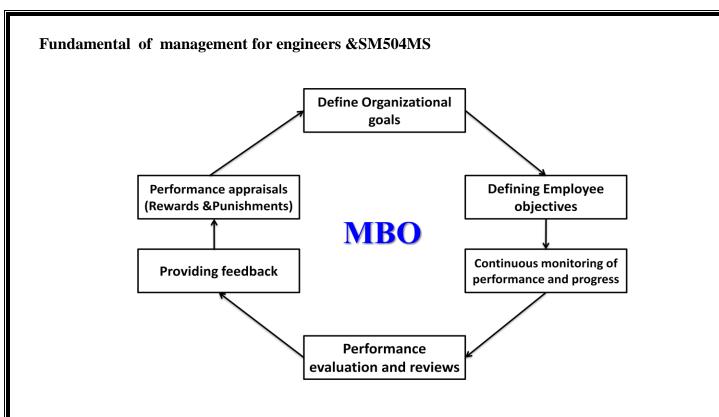
## **Definitionof MBO**

George S. Odiorne defines "MBO is a process whereby superior and subordinate managers of anorganizationjointlydefineitscommongoals, define each individual" smajorare as of responsibility in terms of results expected of him and use these measures as guides for operating the unit and assessing the contribution of each of its members".

## **FeaturesofMBO**

- 1. Management byObjectives is a philosophyorasystem, and not merelytechnique.
- 2. Itemphasizesparticipativegoalsetting.
- 3. Itclearlydefineseach individualresponsibilityintermsof results.
- 4. It focuses attention on what must be accomplished goals rather than on how it is to be accomplished.
- 5. It converts objective needs into personal goals at every level in the organization.
- 6. Itestablishesstandardsoryardsticks(goals)asoperationguidesandalsoasbasisofperformanceevaluatio n.
- 7. Itisasystemintentionallydirectedtowardeffectiveandefficientattainmentoforganizationalandperson algoals.

## TheSixStepsin MBOProcess



**1. Define Organizational Goals:** Goals are critical issues to organizational effectiveness, andthey serve a number of purposes. Organizations can also have several different kinds of goals, allofwhich must be appropriatelymanaged.

And a number of different kinds of managers must be involved in setting goals. The goals set by the superiors are preliminary, based on an analysis and judgment as to what can and what should be accomplished by the organization within acertain period.

**2. Define Employees Objectives:** After determining the organizational goals, the next thing todo is to know the individual"s goals or more clearly employees" goals. It is the responsibility ofthemanagertoaskemployeesaboutwhatgoalstheycanaccomplishwithinaspecifictimeperiod and what resources will they use to achieve the goal.Get specific and clear about whatyou wan to achieve (I want to be a rich), make your goal measureable-quantify what you want (IwanttohaveRs.10lakh), Makeyourgoalachievablewithinyourresources(Iworkhardashell), make your goal relevant-is it worthwhile (I want to keep her happy), your goal needs to betimed-set a start and finish date (One time)> Also, if needed, then year managers and employees can classify the goals from the most important to the least one in order to make the goal achieving provide the statement of the socess more asily and in favor of the organization.

**3.** Continuous Monitoring Performance and Progress: The process of MBO is not just set forproviding additional effectiveness to managers across the organization, but it is also equally important for constantly monitoring the progress and performance of the employees. There are certain things stated below that can help managers to monitor performance and progress.

- Checkingless-effectiveorineffectiveprogramsbyperformingacomparisonofperformancewith alreadyprepared objectives.
- UsingZBB(ZeroBased Budgeting)
- Definingshortand longtermplans and objectives
- Installingefficientand effectivecontrols
- Eventually,composingcompletelysoundstructureoftheorganizationwithallthingsatappropriate places such as responsibilities,decision makingand soon.

**4. Performance Evaluation:** MBO is designed to improve performance at all levels of theorganization. To ensure this happens, you need to put a comprehensive evaluation system inplace. As goals have been defined in a specific, measurable and time-based way, the evaluationaspect of MBO is relatively straightforward. Employees are evaluated on their performance withrespecttogoalachievement(allowingappropriatelyfor changes intheenvironment.)

**5. Providing Feedback:**The psychologically influential factor of MBO is constantly providing feedback to employees regarding their performance and individual goals, so that they can monitor, correct and extra improve their skills and mistakes. Mostly, the feedback is provided inperiodic meetings where supervisors and their subordinates review the performance and progress towards achievement of goals. At one point, feedback helps individuals know their weakness. While on the other hand, it also motivates already potential individuals to enhance and develop their performance additionally. This continuous feedback is supplemented by periodic formal appraisal meetings which superiors and subordinates can review progress toward goals, which lead to further feedback.

**6. PerformanceAppraisal:**Inthisstep,theworthofemployeeisexaminedandjudged.Performance appraisals are a regularreview of employee performancewithinorganizations.When you reward goal achievers you send a clear message to everyone that goal attainment isvaluedandthattheMBOprocessisnotjustanexercisebutanessentialaspectofperformance

appraisal. The importance of fair and accurate assessment of performance highlights why setting measurable goals and clear performance indicators are essential to the MBO system.

## Merits/Benefitsof MBO

- 1. **Goalssetupthemotivationlevels:**Ifachievable,albeithigher,goalsaresetinconsultation with the subordinates and keeping to mind their strengths and weaknesses,employeesget highlymotivated to put in theirbest.
- 2. **Result oriented management:** The management focuses the attention of mangers on theresults beachieved rather than on activities.
- 3. **Clarity in organizational structures:** Everyone in an organization knows the purpose and mission of the company and is aware of its objectives. This helps managers toperformbetter withgreater commitment and accountability.
- 4. **Superior subordinates relationships are reinforced:** Since mangers at different levelsare consulted and senior mangers counsel the juniors, there is greater understandingbetween them. Communication gaps are eliminated and subordinates develop a sense of involvement which enhances their productivity.
- 5. **Monitoring is made easy:** It facilitates self evaluation and feedback which improves the efficiency of mangers. There is less need formonitoring from above.
- 6. **Improved planning:** managers at all levels are compelled to think ahead. Interactionamongmanagersresultsinbetterideasand,consequentlytherewillbeimprovedplannin gandcontrol.
- 7. **More objective appraisal:** The element of subjectivity can be minimized. There is noscopeforpersonal bias, feeling, sentiments and emotions.
- 8. **Self check:** MBO is a tool for self control and self direction that helps mangers to turninto professionals. There is no need for any advice or memo to an employee from the topmanagement on whether or not he has completed his targets. He can push himself in areashelags behind byfiguringout the possible correcting measures.

9. **Reviewofobjectives:**Businessenvironmentisverydynamic.Theremaybechangesinitwhich maycall forreview and resettingof objectives, if necessary.

## Demerits/LimitationsofMBO

- 1. **Inadequate commitment from top management:** MBO could not take off in manyorganizations for want of a clear cut policy from the top management. MBO requires agreat deal of appreciation and commitment on the part of mangers who implement it. Theyshould explain to the isubordinates about its operational details and utility. Otherwise, they cannot win them over and that is vital for the successful implementation of MBO.
- 2. **Goal setters are not given any orientation:** Goal setting is the primary task in MBO.Goal setter should be given a total orientation about corporate goals, planning premises,broad policies of the company and how these, in turn, are likely to affect their ownobjectives. Anyfailureto give suchguidelines maylimit theutilityof MBO.
- 3. Setting goals is complex process: Setting realistic and achievable goals for subordinatesis not an easy task. If the objectives are not reasonable, behavioural implications are notclearly stated, and ethical bevariour is not given high priority, people will use unethicalmeansto achievegoals.
- 4. **Emphasisonshort-termgoals:**MBOcenterstheaccomplishmentofmutualsetobjectives which are more short-term in nature. In a majority of the cases, short-termgoals are not well integrated into long-term objectives and consequently, undue emphasisonshort-termgoals marginalizes thelong-termgoals.
- 5. **Inflexibility**: Objectives for every manger or subordinate are set after much interaction, debate, discussion and understanding of individual aspirations. Managers tend to hesitatein changing the objectives worked out in such a detailed effort even when there is achangein corporategoals and planning premises.
- 6. **Problemsofstatusandauthority:**MBOfocusesonpersonalinteractionamongmangers.Inreality ,organizationsarecharacterizedmorebypeopleconsciousoftheir

authorityandstatus. Theyseldomliketointeractfreelywiththeirsubordinates, leave alone assessing the latter "s strengths and weaknesses.

- 7. Lower levels are deprived of freedom and interaction: If MBO philosophy does notspreadrightdown, it will not be successful. But mangers at lower level have little freedom to react to even organizational goals, to speak nothing of the freedom to set their ownobjectives. In such an environment, setting of objectives jointly is merely adream.
- 8. Limited time horizon: MBO may be useful in a limited time horizon. In reality, businessenvironment is not so stable that objectives once set will hold good till they are achieved.Objective get revised frequentlyin view of hostileand volatileenvironment.

## TYPESOFPLANS

Plans commit individuals, departments, organizations, and the resources of each tospecificactions for the future. Effectively designed organizational goals fit into a hierarchy so that theachievementofgoals at lowlevels permits theattainment of high-level goals.

Three major types of plans canhelp managersachieve their organization'sgoals:strategic,tactical, and operational. Operational plans lead to the achievement of tactical plans, which inturn lead to the attainment of strategic plans. In addition to these three types of plans, managersshould be develop a contingencyplan incase their original plans fail.

**1. Operational plan:** Operational plan covers the day-to-day operations of business such asfacilities, inventory management, production plan, supply and distribution etc. An operationalplan is like a map that can help to navigate your business towards specific goals.Operationalplan is one that a manager uses to accomplish his or her job responsibilities. Supervisors, teamleaders develop operational plans to support tactical plans. Operational plans can be a single-useplan oran ongoingplan.

a) **Single-use plans** apply to activities that do not recur or repeat. A one-time occurrence, such as a special sales program, is a single-use plan because it deals with the who, what, where, how, and how muchofanactivity. Abudgetis also a single-use plan because it

predicts sources and amounts of income and how much they are used for a specificproject.

- b) **Continuing or ongoing plans** are usually made once and retain their value over a periodof years while undergoing periodic revisions and updates. The following are examples ofongoingplans:
  - **Policies**: Policies are statements of understanding that specify ,,what can be done orwhat cannot be done" to achieve the given objectives. Policies guide the behavior orthinking of people in an organization. They define the framework within which adecision is to be made. Policies provide a broad guideline for managers to followwhen dealing with important areas of decision making. For example, address suchmatters as employee hiring, terminations, performance appraisals, pay increases, and discipline.
  - **Procedures**:Proceduresoutlineindetailthemethodofcarryingoutatask. A procedure is a set of step-by-step directions that explains how activities or tasks areto be carried out in a given sequence. The employees are trained in organizationalprocedures. The top management is concerned with the laying down of procedures and the lower levels with their implementation.

Policies and programs are closely related to each other. Acompany may have apolicy of expansion by 10% every year. To attain this, it has to carefully developprocedures to raisefinances, manpower and production.

- **Rules:** A rule is an explicit statement that tells an employee what he or she can andcannot do. Rules are "do" and "don't" statements put into place to promote the safetyof employees and the uniform treatment and behavior of employees. Observe theserules:No credit, No smoking, Comein queue etc.
- **Programs:** These specify what is to be done. They reflect goals, policies, procedures and rules to be followed, steps to be taken, resources to be employed and even minordetails necessary to execute a task. Every program is supported by budget. Programsmaybemajoror minor based on their purpose, scope and time duration.
- **Budgets:** When plans are expressed in numbers, they become budgets. A budget maybe expressed in financial terms or any other measurable form such as machine hours.,laborhours,orunitsofproduction.Itcanalsobeexpressed intermsofenterprise

activities such as sales budget, advertisement budget, purchases budget, cash budgetetc. Abudgetprovidesmeansofcontrollingtheorganization"sperformance.Whilemaking budget is a part of planning, controlling employee performance is part of thecontrolling function ofmanager.Budgets are prepared for a clearly defined period,sayaweek, month oryear.

2. Tacticalplan: A tactical plan is concerned with what the lower level units within each division must do, how they must do it, and who is in charge at each level. Tactics are the meansneeded to activate a strategy and make it work. Tactical plans are concerned with shorter timeframes and narrower scopes than are strategic plans. These plans usually span one year or lessbecausetheyareconsideredshort-termgoals.Thetacticsneededtoachievethegoalsdefinedina strategic plan. For example, if a company"s strategic plan is to become a market leader, itstactical might be double the amount advertisement and marketing. plan to spent on 8/Tacticalplanninginvolves:

- Productsorservicestobeaddedor deleted.
- Sizeofcapitalinvestmentsrequired.
- Pricingtheproductsand servicestobeprovided.
- > Withdrawinginvestmentsfromprojects.etc.

**3.** Strategic plan: Strategic planning includes plans made by the top management to pursue longterm goals with the resources with likely to be available. Strategic plan is an outline of stepsdesigned with the goals of the entire organization as a whole in mind, rather than with the goalsof specific divisions or departments. Strategic planning begins with an organization's mission. Strategic plans look ahead over the next two, three, five, or even more years to move theorganization from where it currently is to where it wants to be. Top management's strategic planfor the entire organization becomes the framework and sets dimensions for the lower levelplanning. Strategic planninginvolves:

- > Formulatingamissionfortheentireorganization.
- > Identifying the business that helps to meet a mission.
- Determinationoffinancialrequirements.

> Allocatingresourceseffectively. etc.

**4. Contingency plan:** Contingency planning involves identifying alternative courses of actionthat can be implemented if and when the original plan proves inadequate because of changing circumstances. Keep in mind that events beyond a manager's control may cause even the most carefully prepared alternative future scenarios to go awry. Unexpected problems and events frequently occur. When they do, managers may need to change their plans. Anticipating changeduring the planning process is best in case things don't go as expected. Management can thendevelop alternatives to the existing plan and ready them for use when and if circumstances makethese appropriate.

### DEVELOPINGABUSINESSSTRATEGY

The process of developing, formulating and implementing the strategy involves the following stages:

**1. Developavisionstatement:** Thisstatementshould describe the future direction of the business and its aims in the medium to long term. It's about describing the organization "spurpose for being and its values. Business gurus have debated long and hard about what comesfirst – the vision, or the mission statement. But, in practice, you could develop both at the same time.

**2. Develop a mission statement:** Like the vision statement, this defines the organization "spurpose, but it also outlines its primary objectives. This focuses on what needs to be done in the short term to realize the long term vision. So, for the vision statement, you may want to answer question: "Where do we want to be in 5 years?". For the mission statement, you "ll want to askthequestions:

- What dowedo?
- Howdo wedo it?
- Whomdowedoitfor?
- Whatvaluedowebring?

**3. Goals:** The first step in the development of any business strategy is the determination of thegoal, its desired endpoint. The goal sets the stage for the development of measures and specificactions that the company takes to achieve these goals. So, for instance, the goal might be to"increasemarket share"or to "improve customer satisfaction."

**4. Objectives:**Objectivesarethemeasurableelementofastrategy.Objectivesindicate,specifically, what outcomes are desired. While goals set a broad direction ("increase marketshare"),objectiveswillprovidethedetailthatensurestheteamknowswhenitachievessuccess.

**5. Situation Analysis:** Once a goals and objectives are stablished and the planning team knowswhat to do, information needs to be gathered so that the decisions are based on solid facts anddata. The situation analysis involves a review of information internal to the organization (about employees, sales, customers) as well as external information (about competitors, the industry, the economic climate).

**6. SWOT Analysis:** A SWOT analysis is a brainstorming process used by strategic planningteams to identify the organization's strengths and weaknesses, which are internal environment; and opportunities and threats, which are external environment. Based on the data gathered during the situation analysis and by brainstorming and prioritizing these items, the team gets a bettersense of themost important areas to focus on.

7. GenerateStrategyAlternatives:Genericstrategyalternativesrefertoidentifyingthealternatives of strategies. After the nature of business is defined, the next task is to focus on thetype of strategy alternative, in general, the firm will pursue. Given the information from theenvironmental scan, the firm should match its strengths to the opportunities that are identified, and at thesametime address itsweaknesses and external threats.

**8. Strategy Variations:** The generic strategy alternatives can have a numerous variations everystrategy can have variations as internal or external, related or unrelated, horizontal or vertical andactive or passive. For example, if we choose expansion, it can be either internal or external expansions. Internal expansions can be achieved through penetrating existing markets, addingnew products. External expansion can be achieved through mergers and acquisitions, developingsubcontracts, developingsubsidiaries, etc.

**9. Strategic Choice:** Once the strategy is formulated and variations are evaluated, then the nextstep of strategist is to choose the exact strategy. Thus strategic choice involves the decisionmaking to select the best strategy among the alternatives which can effectively contribute to thebusinessobjectives.

**10. Allocation of Resources:** The operating strategy of the firm is framed by the resourceallocation decisions (budgeting) – such as, "which department is to be sanctioned how muchmoney, materials, manpower and other resources".

**11. DevelopmentofOrganizationalStructure:** Anappropriateorganizationstructurecandemonstrate an effective co-operation and efficient division of labour. The best organizationstructure is one that fits into the organizational environment. Suitable changes may be initiated intheorganization structure to ensurestrategicimplementation.

**12. Formulation of Policies, Plans and Programs:** The next step is to see that the resources arewell utilized and properly maintained as desiredby the organization. This is possible only ifthere is a perfect monitoring mechanism and correct basis for evaluation of effectiveness. Thismonitoringmechanism can bebuilt up bysuitablyformulatingitspolicies, plans and programs.

**13. Strategy Implementation:** The selected strategy is implemented by means of programs, budgets and procedures. Implementation involves organizing the resources and motivating

thestafftoachievingobjectives. The implementation of the strategy must be monitored and adjusted made as needed.

**14. Strategy Evaluation and Control:** Evaluation and control is the final phase of the strategic management process and consists of these steps: 1) Define parameters to be measured, 2) Definetargetvaluesforthoseparameters,3)Performmeasurements,4)Comparemeasuredresultstothepredetermined standards and 5)Makenecessarycorrections.

### DECISIONMAKINGANDPROBLEMSOLVING

Decision making is one of the most important functions of the management process. In fact, it is the manager "sprimary duty to take right decisions a tright time. Decision making is defined as "selecting a course of action from among alternatives. At every moment, the management process needs a manager "sdecision.

Problem solving and decision-making are important skills for business and life. Problemsolvingoften involves decision-making, and decision-making isespecially important for managementand leadership. Problem solving is a process in which we perceive and resolve a gap between apresent situation and a desired goal, with the path to the goal blocked by known or unknownobstacles. In general, the situation is one not previously encountered, or where at least a specific solution from past experiences is not known. In contrast, decision making is a selection processwhere one of two or more possible solutions is chosen to reach a desired goal. The steps in bothproblem solving and decision making are quite similar. In fact, the terms are sometimes usedinterchangeably.

Most of the models of problem solving and decision making include at least four phases. 1) anInputphaseinwhichaproblemisperceivedandanattemptismadetounderstandthesituationor problem; 2) a Processing phase in which alternatives are generated and evaluated and asolution is selected; 3) an Output phase which includes planning for and implementing thesolution; and 4) a Review phase in which the solution is evaluated and modifications are made, ifnecessary. Most researchers describe the problem-solving/decision-making process as beginningwith the perception of a gap and ending with the implementation and evaluation of a solution tofill that gap. Each phase of the process includes specific steps to be completed before moving tothenext phase.

### StepsinDecisionMakingandProblemSolving

**1. Identification of the Problem:** This is the first step of decision making and problem solvingto indentify the problem. A managerial problem may take birth at any level of the organization.Butmostoftheproblemsgounidentifiedtilltheygrowbig.Ifitisstillneglectedtheyultimately

flareupintoemergency. Agoodmanagerpredicts wellinad vance to the generation of the problems and tries to prevent it as hebelieves that as titch in time saves nine.

**2.** GatherCompleteInformation:Inthesecondstep,themanagercollectsthecompleteinformation regarding the problem. The information should contain the answers to the followingquestions:

- ➢ Whereand whendid itgenerate?.
- ➢ Whatarethe causes and triggers?.
- > Whatwould be the effects?. Who are most affected?.
- ➤ Isit recurringproblem or onetimeproblem?.
- ➤ Whois responsible for this problem?.\
- > Doesitbelongtoprogrammeddecision ornon-programmeddecision?.

**3.** Generate Alternative Courses of Action: Third step is concerned with the generation of aset of alternative courses of action. Based on the relevant information, the manager has to indentify alternative courses of action that lead to desirable solution. The manager may rely only only only only expertise, may talk to his staff or may even conduct a brains storming with experts. Newalternatives options havetobegenerated through creative thinking.

4. Choose the Appropriate Alternative: The manager at this stage selects the best of thealternatives. Here, the best decision generally infers effectiveness. The best decision means theone that maximizes the factors such as sales, profits, or units produced. In some other cases, theeffective decision may be one that minimizes the factors as customer complaints, employeeturnover, oroperatingcosts.

**5. Implement the Course of Action**: After choosing the appropriate alternative, appropriate action plans must be established and implemented. Often implementation suffers resistance from the work forces. So it is suggested that the merits of the decision have to be explained to at leastsomecritical or influencing persons if not all people involved.

**5. Evaluate results**: The decision making process is not complete until results are evaluated. This evaluation is a form of managerial control. The feedback is very important aspect to

determine if the decision is implemented in the desired manner. If the desired results are notachieved, the processmust berenewed to allow for corrective action.

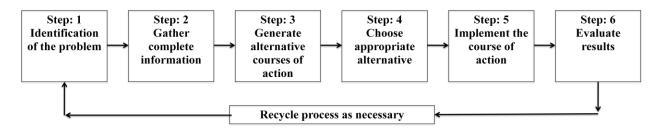


Fig: Steps in decision making and problem solving

#### PROGRAMMEDANDNON-PROGRAMMEDDECISIONS

#### **ProgrammedDecisions:**

Decisions related to structured situations (planned or organized situations), where the problem ismore or less routine and repetitive in nature are known as programmed decisions. Programmeddecisions are those that a manager has encountered and made in the past. The decision themanager made was correct because he/she used the assistance of company policies, computationsor a set of decision-making guidelines. For example, problems related to leave are solved bypolicy relating to leave rules. Employees who take leave according to leave rules are grantedleave andthosewho donotfollow the leave rulesmay notbe granted leave.The routineproblemsmaynotalways be simple.

There may be complex routine problems. For example, production department follows a routinethatmanagersorderforinventorywhenitreachesthere-

orderpoint.If there is sudden increase indemand for the product, managers cannot wait for inventory to reach the re-order point to make fresh orders. Orders are placed before this level is reached. Ordering inventory is, thus, aproblem of routine nature but ordering inventory before the re-order point is a routine but complex problem.

In either situation, managers depend on pre-established criteria for taking decisions. Variouspolicies, schedules and procedures guide these decisions and, therefore, policies and proceduresshould be as clear as possible. Since decisions are based on pre-defined standards, they do notrequiremuch of brainstormingand aretaken normallybymiddle and lower-levelmanagers.

Managers do not think of innovative ways to solve the routine problems. Therefore, they canconcentrate on important and crucial activities. These decisions also involve some amount ofcertainty, i.e., outcomesofthese decisions are, by and large, known.

#### Varioustypesofprogrammeddecisionsare:

- (1) Organizational decisions
- (2) Operational decisions
- (3) Researchdecisions, and
- (4) Opportunity decisions.

#### **Non-ProgrammedDecisions:**

These decisions are taken in unstructured situations (unplanned or unorganized situations) and these decisions are new and different from situation to situation. The problems are non-recurringorexceptionalinnature.Sincetheyhavenotoccurredbefore,theyrequireextensivebrainstorming .Managersuseskillsandsubjectivejudgmenttosolvetheproblemsthroughscientificanalysis and logicalreasoning.Non-programmed decisions are unique.

Subjective judgment is based on assessment of the situation. In objective judgment (in case ofprogrammed decisions), past experience forms the basis for decision-making. These decisions involve fair degree of uncertainty since outcomes of decisions are not always known. These decisions are based on partial ignorance as the alternatives and their outcomes cannot be knowninadvance. They are taken in the context of changing, dynamic environmental conditions.

For example, increase in advertising expenditure, effective salesmanship, upgraded technology, quality controls, brand image and reasonable prices are expected to increase sales and profits. If, inspite of all these, profits are declining, it requires immediated ecision-making and such decisions are non-programmed decisions.

These decisions are taken by top-level managers. As we move up the organizational hierarchy, theneed for taking non-programmed decisions increases.

### Differenttypesofnon-programmeddecisionsare:

- (1) Personal decisions,
- (2) Strategic decisions,
- (3) Crisisintuitivedecisions, and
- (4) Problem-solving decisions.

	Programmed Decisions	Non-Programmed Decisions
1 . Nature of problem	Structural/Routine/Well defined	Unstructured/Novel/III defined
2. Recurrence of problem	Repetitive	Non-repetitive
3. Method of solving	Policies/Standards/Rules	Managerial initiative
4. Judgment	Objective	Subjective
5. Probability of outcome	Some degree of certainty is involved	Uncertain
6. Level of management	Middle/lower level	Top level
7. Types	Organizational/Operational/Rese arch/Opportunity	Personal/Strategic/Crisis intuitive/Problem solving

### Differences between programmed and non-programmed decisions

There is no clear line of demarcation between programmed and non-programmed decisions.Decisions are neither totally programmed nor non-programmed. They are a combination of both and lie on continuum of decision; between totally programmed decisions at one end of the continuum and totally non-programmed decisions at the otherend.

## BOUNDEDRATIONALITYANDINFLUENCEONDECISIONMAKING

Decision making is the most important part of administration and the outcome of decisionsdependon the process that is used in makingdecisions.

There are two primary models or theories for decision-making: the Rationality model (optimizes) and the Bounded rationality model (satisfices). In the former, a decision-maker attempts tooptimize the decision by selecting the best possible alternative. In the latter, rationality of individuals is limited by the information they have, cognitive limitations and time constraints.

### Boundedrationality

Herbert Simon propounded the bounded rationality model to explain why limits exist to rationaldecision within decision – making environment. He defined decision – making as "the alternativecourses of action". He states that, decision – making pervades the entire organization that isdecisions are made at all level of organizations. Hence, he said an organization as structure ofdecision – makers. According to him, decision is an all – embracing activity subsuming all theadministrativefunctionsdescribedas,,POCCC"byFayoland,,POSDCORB"byGullick.Boundedratio nalityistheconceptthatdecisionmakers(irrespectiveoftheirlevelofintelligence)haveto work under theunavoidableconstraints.

TheSimon"ssatisfyingmodelstatesthatfirmscarryouttheiroperationsunderboundedrationality and they can only attain a satisfactory level of profit, sales and growth. Simon carriedout a research and found that modern businesses don"t have adequate information and they areuncertainaboutfuturedueto which it isvery difficult to optimize their profit, sales and growth.

Hearguedthat in real situations people take decisions on the basis of heuristics(amethodofteachingtolearnbydiscovering things

themselvesand learning from their own experiences rather than by telling them things) rather than rule basedoptimizationmethods.Heargued that decision-making is bounded by the following limitations.

The decision makers (irrespective of their level of intelligence) have to work under three unavoidable constraints.

**1. Lack of Information:** Lack of information or incomplete information leads to sub optimal decisions as the decision-maker is not fully aware of the pros and cons of a decision due to lackof information. Hence, lack of information creates a boundary and hinders the rational choice of the decision-maker.

**2. Limited Intellectual Ability/Cognitive Ability/Mental Ability:** The capacity of the humanmind to perceive, retain and retrieve complete knowledge and information on past, present andfutureeventsisnotunlimited.Humanmindhasonlylimitedcapacitytoevaluateandprocessthe information that is available. The problem at hand may be so complex that the decision-

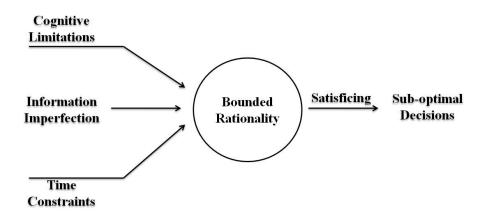
 $maker may not be able to comprehend the true nature and complexity of the problem, leading to {\cite{true}} and {\cite$ 

a sub optimal decision. If the problem would have been comprehensible, the decision-makerwould have made a rational choice. This creates a boundary on the otherwise rational choice ofthe of the decision-maker.

**3. Lack of Time to take Decisions:** The lack of time may also lead to suboptimal decisions as inthis case the decision-maker does not have time to evaluate all the choices and come to a rationalchoice.Onthecontrary,lackoftimeleadstoimproperandsuboptimaldecisions,asonedoesnothave the required time to processtheinformation available.

Therefore even individuals who intend to make rational choices/decisions are bound to makesatisficing (rather than maximizing or optimizing) choices/decisions in complex situations. Theselimits (bounds) on rationality also make it nearly impossible to draw upcontracts that covereverycontingency, necessitating relianceon rulesofthumb.

Hence, Bounded rationality (satisfying model) suggests that managers seek alternatives until theyfind one that is satisfactory, not optimal. The concept suggests that the ability of decision makersto be rational is limited by numerous constraints, such as complexity, time and money, and their cognitive capacity, values, skills, habits, and unconscious reflexes known as bounded rationality.



Allthethreefactorswhichareillustratedinthediagramwillinfluencethehumanororganizationaldecisionb yboundedrationalityleadingto **"satisficingdecisions**" asagainstmaximizingdecisions (optimizingdecisions).

### GROUPPROBLEMSOLIVINGANDDECISIONMAKING

A problem may be defined as the difference between the desired situation and actual situation.So, awareness of the problem means understanding the gap between the two (desired and actual)situations.Problemsolving istheprocessofidentifyingandfilling the"gap"orfinding adiscrepancy and initiating a corrective action. A problem solving is a multi-step procedure inwhich a group develops a plan to move from an unsatisfactory state to a desired goal. Groupproblem solving is the process of bringing together stakeholders who through their analyticaldecision making abilities can influence the outcome of the problem. The useof groups in problemsolving isencouragedas groups tendtoevaluatediversesolutionsandactionplans.

Thetasksarebecomingmoreinterdisciplinaryandinterdependent;hencemodernbusinessdemands a comprehensive and integrated perspective of the business. Particularly in this context,group decisions are considered more relevant and worth pursuing. Hence, group problem solvingbecomes prominent and is necessary to understand how problem can be solved in groups andtherebycontributemoreeffectivelyto decision-making.

Manykeyproblemsaresolvedingroupsorteamsinorganizations. Thoughhigh-

levelinterpersonalskillsareimportantformangers, moreimportantarethecapabilitiestoworkcloselywitho thersinsolvingproblemsandmakingdecisions. Thereare many executive development programs offered by premier business schools in India and abroad to strengthen problemsolving skills in groups.

Asapartofleveragingthecollectivewisdom, the problems are presented to groups and the group members to advised arrive at decisions which rational are are more and feasible. In groupdecisionmaking, the feedback from more than one individualise valuated logically and scientifically before an optimum result is identified that is based on an economic view of decision-making where in people hopeto maximizegain and minimizeloss.

## GroupProblemSolvingProcess

Typically, the team members hold a discussion about the problem on hand and explore all thewaysandmeansariseoutofbusinessorsocialsituationsanddeveloptheabilitytogeneratea

widevarietyofpotentialsolutionstoagivenproblem. The below process involves group problem solving.

**1. Define the Problem**: Define the problem by considering the three elements shared by everyproblem: the current undesirable situation, the goal or more desirable situation, and obstacles in the way. At this stage, group members share what they know about the current situation, without proposing solutions or evaluating the information. Here are some good questions to ask during this stage: What is the current difficulty? How did we come to know that the difficulty exists? Who/what is involved? Why is it meaningful/urgent/important? What have the effects been sofar? What, if any, elements of the difficulty require clarification? At the end of this stage, the group should be able to compose a single sentence that summarizes the problem called a problem statement.

**2. Analyze the Problem:** During this step a group should analyze the problem and the group "srelationship to the problem. Whereas the first step involved exploring the "what" related to the problem, this step focuses on the "why." At this stage, group members can discuss the potential causes of the difficulty.

**3. Develop Alternative Solutions:** During this step, group members generate possible solutionstotheproblem. Again, solutions should not be evaluated at this point, only proposed and clarified. The question should be what *could* we do to address this problem, not what *should* we do to address it.

**4. Evaluate All Solutions:** During this step, solutions can be critically evaluated based on theircredibility, completeness, and worth. Solutions can be evaluated based on how well they fit withthe group's charge and the abilities of the group. To do this, group members may ask, "Does thissolution live up to the original purpose or mission of the group?" and "Can the solution actuallybe implemented with our current resources and connections?" and "How will this solution besupported, funded, enforced, and assessed?"

**5. Implement and Assess the Solution:** Implementing the solution requires some advancedplanning, and it should not be rushed unless the group is operating under strict time restraints or

delaymayleadtosomekindofharm. Althoughsomesolutionscanbeimplementedimmediately, others maytakedays, months, oryears.

## Methodsof GroupProblemSolving

- 1) **Brainstorming:** Before groups can make a decision, they need to generate possible solutions to their problem. The most commonly used method is brainstorming. Brainstorming is acreative art of generating the greatest number of ideas in the shortest possible time. Here, members in the group are encouraged to present their ideas that can contribute to problemsolving. It is popular method of finding alternatives to real life problems and for creativity training. The group size is restricted five members. to to seven Everyone is given reasonable time and opportunity to present their ideas or alternative solutions. The purpose of brains tormingistogenerateasmanyasideaspossibleandexploredifferentdimensionsofthe given problem. The members can combine some of the ideas and offer improved versionoftheirearlierideas.
- 2) Nominal Group Technique: The Nominal Group Technique is a form of brainstorming, whereina structured meeting is held among the group members where they are required to findsolutionstotheproblemidentifiedforthediscussion. The objective of nominal group technique is to resolve the opinion conflicts among the group members by enabling each individual to pen down his/her thoughts about the problem and later discuss it with the entiregroup to reach the consensus solution. Generally, the nominal group training is comprised of the following steps:
  - 1. First of all, the facilitator welcomes all the participants and then briefs about the problem requiring decision.
  - 2. The participants are given time to pen down their ideas that come to their minds inreference to the problem being discussed. During this period, each member writeshis/herideas silentlywithout discussinganythingwitheach other.
  - 3. Once all the members have written, their ideas are required to share them in front ofall the group members. At this stage, the facilitator chalks down the ideas of eachgroup member on the flip chart, thereby giving all the members equal opportunity tosharewhat theyfeel.

- 4. Once the key points are written on the chart, the members are asked to discuss thepoints which they feel requires an explanation. Each member explains his/her mind totheothermembersandinthemeanwhile,thefacilitatortriestomaintainthediscussionas neutral as possible,therebyavoiding the criticismandjudgment.
- 5. Once all points are explained, the members are asked to give vote or rank variousideas by prioritizing these in relation to the basic problem, for which the meeting isheld.

If the group does not reach a consensus decision, then again the ranks are assigned to the recorded ideas and this process continues till the final decision is arrived.

- 3) Stand-upMeetings: Considering thatsitting posture willmake members lessalertandinvolved. Meetings are conducted while standing up instead of sitting down to solve theproblems and make decisions. It is considered that people are more alert when standing, anddon''twantto standfor toolongsotheyreachadecision quickly.
- Majority rule: It is a commonly used decision-making technique in which a majority (onehalfplus one)must agreebeforeadecision is made.
- 5) **Consensus rule:**This is a decision-making technique in which all members of the groupmustagreeon the samedecision.

## CREATIVITYANDINNOVATIONINMANAGERIALWORK

The growth and survival of the business in the dynamic environment as of today depends uponthedevelopmentofnewproducts.Organizationsmustbealwaysinthelookoutfornewopportunitiesan dexploitingthembycreatingnewproductsandservices.Therefore,itisneedless to say that new product development holds the key for the survival of an organization.New products do not come about on their own. They are the result of the ingenuity of creativitypeople in the organization. As such, it is obvious that new product development is the function oforganizational creativity. In other words, it depends upon how creative an organization is inrespectofnewideas.Itmaybeunderstoodthatanyorganizationcanbeascreativeasitspeople. Having understood the importance of creativity in the organizational context, let us understandthemeaningand processofcreativity.

### CreativityandInnovation

Creativity is an essential part of problem solving and decision making. To be creative is to seenew relationships and produce imaginative solutions. Creativity can be defined simply as theprocess of developing novel ideas that can be put into action. By emphasizing the application ofideas, creativity is closely linked to innovation. To be innovative, a person must produce a newproduct, service, process, or procedure. Innovation can be regarded as the commercialization orimplementation for creative deas.

Creativity involves a departure from conventional thinking to non-conventional thinking. A closeexamination of many products enables us to understand how apparently unrelated things arerelated to produce a new product. The ubiquitous wet grinder found in many of the kitchens maybe cited as a best example where a relationship is established between the electric motor and theconventional stone used in the Indian homes for grinding purposes since times immemorial.Similar is the case with the electric bulb and the lens that are combined to develop the overheadprojector used in the classrooms. The same logic holds good for many products that we seearound.

Though, at times creativity and innovation are used interchangeably, it is appropriate to knowthatbotharedifferent. Creativity and innovation go hand in hand. While creativity is the generation of a new idea, innovation is the translation of such an idea into a product, service ormethod of production. According to Lawrence B. Mohr "creativity implies bringing somethingnew into being while innovation implies bringing something new into use". According to Rosabeth Kanter, "Innovation is the generation, acceptance and implementation ofnewideas, processes, products or services". Such a distinction is necessary because the skills required to generate new ideas (creativity) are not the same as those required to make the ideastake the shape of products or services. Since both creativity and innovation are two different functions, organizations need people good at both the functions. Further, creativity alone does not c ontributefororganizationaleffectivenessunlessthecreativeideascaninsomewaybeused

or implemented. A new idea, however good it is, must be capable of implementation and mustactuallybeimplementedforthe organization to benefit from it.

## **ConditionsNecessaryforCreativity**

Certainindividualandorganizationalconditionsarenecessaryfor,oratleastenhancetheproductionof,creat iveideas.Themostconsistentoftheseconditionsaredescribedhere.Creativitytakes placewhen thesecomponents jointogether.

- 1. **Expertise:** Expertise refers to the necessary knowledge/skills in a particular field to put factstogether. The more ideas floating around in your mind, the more likely you are to combine themin some useful way.
- 2. Creative Thinking Skills: Thinking how to make solutions differently leads to creativity. Ifyou know how to keep digging for alternatives and how to avoid getting stuck in the statusquo, your chances of being creative multiply. Preserving, or sticking with a problem to aconclusion, is essential for finding creative solution. A few restbreak stogain a fresh perspective may be helpful, but the creative person keeps coming back until a solution emerges.
- InternalMotivation: The right type of motivation is the third essential ingredient force reative thought. A fascination with the task or passion for the task is more important than searching for external rewards.
- 4. **Environmental Need:** In addition to the internal conditions that foster creativity, the factorsoutside the person have a significant effect. An environmental need must stimulate the settingofagoal, which is another wayof saying. "Necessityis themother of invention".
- 5. **ConflictandTension:**Enoughconflictandtensiontoputpeopleonedgealsofostercreativity. A practical way to create this conflict is for people to challenge each other"sthinking, such as saying, "Offering construction workers rents as temporary housing won"tattractenoughofthemto comedownhere.Let"stryharderfor ahousingsolution."
- 6. **EncouragementfromOthers:** Anotherexternalfactorincreativityisencouragement,includingaper missiveatmospherethatwelcomesnewideas. Amanagerwhoencourages

imaginativeandoriginalthinking, and does not punish people for making honest mistakes, is likely to receive creative ideas form employees.

## **TheCreativityProcess**

Inbusinessjargon, creative people can think outside of the box, or get beyond the usual constraints when solving problems. Yet another way of characterizing creative thinkers is that they break the rules. As such, creative people are often mavericks. They are unconventional and off-the-wall. A key part of being creative is to think laterally. Lateral thinking spreads out to findmanyalternativesolutionstoaproblem.Lateralthinkingisthusdivergent, whileverticalthinking is convergent. Creative people think divergently and they can expand the number of alternatives to a problem, thus moving away from a single solution. Let us acquaint with the process of creativity.

- 1. **Idea generation:** The individual selects a problem to work on or more likely become awarethat a problem or need exists. This is the starting point for the new product development indeed. This refers to the awareness about the, gaps "in the market.
- 2. **Preparation**:Theindividualbecomesobsessedwiththeidea/problem,recallingandcollecting information that seems relevant and dreaming up hypothesis without evaluatingthem.Opennesstoexperience,toleranceforambiguityandwillingnessandcouragetoredefi ne the existing concepts, beliefs are the important psychological attributes required atthestage.
- 3. **Incubation:**Afterassemblingtheavailableinformation,theindividualrelaxesandthesubconsciousmi ndbecomesactive.Inthisnotmuchunderstoodbutcrucialstep,theindividual often appears to be idle or day dreaming, but the subconscious is in fact trying toarrangethefacts intoapattern. Psychologicalfreedomand safetyareimportantatthis stage.
- 4. Illumination: Thisissomethingwhichweexperiencequiteoften. Often, when least expected while eating, falling asleep or walking- the new integrative idea will flash into the individual<sup>\*\*</sup>s mind. Such insights must be recorded quickly, because the conscious mind mayforget them in the course of other activities.
- 5. Verification and Application: The individual sets out to prove by logic or experiment that the idea can solve the problem and can be implemented. Tenacity may be required at this

point. It is at this state the individual switches over to the logical, analytical or convergentthinking. The practical implications are examined what is known as feasibility assessment-

bothtechnicalandeconomicforcommercializationoftheidea/concept.Thisisalsoknownasassessingt he scalability.

## OrganizationalProgramsforImprovingCreativityand Innovation

- 1. **CreativityTraining:**Astandardapproachtoenhancingindividualandorganizationalcreativityistoof fercreativitytrainingtomanyworkersthroughouttheorganization.Muchof creativity training encompasses the ideas such as learning to overcome traditional thinkingandengagingin some typeof brainstorming.
- 2. **Brainstorming:**thebest-knownmethodofimprovingcreativityisbrainstorming.Thistechnique is a method of problem solving carried out by a group. Brainstorming is standardpractice for solving real problems facing a company, and is also a creative training technique.Group members spontaneously generate numerous solutions to a problem, without beingdiscouraged or controlled. By brainstorming, people improve their ability to think creativity.Brainstorming produces many ideas; it is not a technique for working out details during thefirst meeting. Some types of businesses problems are well suited to brainstorming, such asidentifyingways toattractnewcustomers and makingcost-cuttingsuggestions, etc.
- 3. **SystematicallyGatheringIdeas:**Themajornewthrustindevelopinganinnovativeorganizationsis tosystematicallygatherideas frompeopleinsideand outsidethefirm.
- 4. **AppropriatePhysicalSurroundings:**creativityisfacilitatedwhenthephysicalenvironment allows for the flow of ideas, including the room with natural lighting and conducive atmosphere.

#### ORGANIZINGANDORGANIZATION

**Organizing:** Organizing is one of the functions of management. Organizing is the means toachieve the plans. If planning involves making a road map for the chosen destination, thenorganization is the means by which you reach your chosen destination. Organizing is a processof;

- > Determining, groupingandstructuringthe activities
- Creatingrolesforeffectiveperformanceatwork
- > Allocatingnecessaryauthorityandresponsibilityforresults
- Determiningdetailedproceduresandsystemsfordifferentproblemsareassuchascoordination, communication, decision-making, motivation, conflictresolution, and soon.

Organizing function ends with creating a structure of relationships. It explains who is responsibleforagiven task.

**Organization:**Organizationreferstotheinstitutionwhereinthemanagementfunctionsareperformed. A social unit of people that is structured and managed to meet a need or to pursuecollective goals. All organizations have a management structure that determines relationshipsbetweenthedifferentactivitiesandthemembers, and subdivides and assigns roles, responsibil ities, and authority to carry out different tasks. Organizations are open systems--they affect and areaffected by their environment.

Organizationmaybeformal, informal, orboth.

**The formal organization** is basically goal oriented entity that exists to accurate the efforts of individuals and it refers to the structure of jobs and positions with clearly defined functions, responsibilities and authorities.

According to Chester Bernard, an organization is formal when the activities are coordinated towards acommon objective.

**Informalorganization**referstonetworkofpersonalandsocialrelationships(alliances,friendships)that arise aspeople associate with others peoplein aworkenvironment.

The chief executive calls his staff for a meeting at a given time and when the staff meets, it isformalorganization.

On the other hand, after the meeting is called off, when some staff stay back to discuss their personal problems with the chief executive, it is said to be an informal organization.

## **BASICCONCEPTS OFORGANIZATION**

**Organizational Hierarchy:**Hierarchy is system/structure in which members in an organizationare ranked according to their status and authority. The hierarchy in a business refers to the layersof management from the top management down to managers or superiors of the lowest rank.Numberoflayers dependupon the sizeof theorganization.

Employees in a hierarchy have varying degrees of authority. Higher levels in the hierarchy arecharacterized by higher responsibility and authority.

## AuthorityandResponsibility:

Authority is the power or right to give orders/commands and to use discretion vested in that particular position or job. If the person is removed from the job, hears he loses the authority.

**Responsibility** is the obligation/duty on the part of subordinates to complete the given ob. If amanager has only authority, he may misuse it. As a control measure, the employee is heldresponsiblefortheresultsalso.Authoritycanbetransferredtolowerpositionsbutnotresponsibility.

**DelegationofAuthority:**Theprocessoftransferringauthorityfromthetoptothelowerlevelsin the organization is called **delegation**. Although a task maybe delegated or passed down thechain of command form a manager to a subordinate, the manager continues to be responsible formaking sure that his/her instructions are carried out. The organization is said to be **centralized**when the authority to take decisions is held by the corporate office. If the authority is delegated to the regional offices, then the organization is said to be **decentralized**.

**Span of Management:** It is also called span of control. It refers to the number of subordinatesthat can be effectively controlled by the manager at a given point of time. If the productionmanagerhas, say, five employees under hisdirect control, itmeans his spanis five.

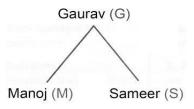
V.A.Graicunasmentioned threetypes of Superior-Subordinaterelationships, viz.,

- 1. DirectSingleRelationships,
- 2. DirectGroupRelationships, and
- 3. CrossRelationships.

According to V.A. Graicunas, as the number of subordinates increases arithmetically (like 1,2,3, 4, 5, 6, etc.) the number of relationships which the superior has tocontrol also increases almost geometrically (like 1, 6, 18, 44, 100, 222, etc.). Therefore, a superior can only control alimited number of subordinates, and anything beyond this limit is very hard to control.

V.A.Graicunas Theorycan beexplained with thehelpof this simpleexample.

For example, consider **Gaurav**(G) is a superior (boss) and **Manoj**(M) and **Sameer** (S) are hissubordinates(juniors or lower-gradeemployees).



According to V.A. Graicunas, Gaurav (G) has to control following three types of relationships, withor amongManoj (M) and Sameer (S):-

# (a) DirectSingleRelationships:-

GwithM, andG withS, i.e.atotalof 2directsingle relationships.

# (b) DirectGroupRelationship:-

G with M in presence of S, and G with S in presence of M, i.e. a total of 2 direct grouprelationships.

## (c) CrossRelationships:-

Mwith S, and Swith M, i.e. againa totalof2cross relationships.

Therefore, total number of relationships which Gaurav (G) has to control are: 2 + 2 + 2 = 6 frelationships.

Thus, when the number of subordinates is 2, the number of relationships, which the superior(boss) has to control is 6. Similarly, when the number of subordinates is 3, the number of relationshipsto control will be 18.

V.A.Graicunashasexplainedhisprinciple with thehelp of the this formula:-

$$\mathbf{r} = \mathbf{n}\left(\frac{\mathbf{2^n}}{\mathbf{2}} + (\mathbf{n} - \mathbf{1})\right)$$

No. of Subordinates

1

2

3

4

5

6

No. of Relations

1

6

18

44

100

222

Here,r=No.ofrelations

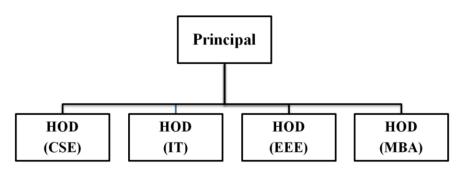
n =No. of subordinates

## FlatandTallOrganizations:

## FlatOrganizationalStructure(HorizontalOrganizationalStructure)

Flat structures have fewer management levels. Flat organizations are known by their wider spanof control. In other words, each manager controls more number of employees at a given point oftime. These organizations focus on empowering employees in greater decision making rather than a dhering to the chain of command. By encouraging autonomy and self-

direction, flatstructures attempt to tap into employees 'creative talents and to solve problems by collaboration.





In this structure, there are few or no levels of management between staff and executives. Topmanagementhasdirectcontactwithfrontlineemployees.Itisusefultosmallorganizations.

# **ADVANTAGES**

- 1. Lower supervision costs
- 2. It creates fewer levels of management.
- 3. Quick decisions can be taken
- 4. Clear communication is possible

- DISADVANTAGES
- 1. There are chances of loose control
- 2. Discipline may not be good
- 3. It may not work as business expands
- 4. Experience superiors are required

## TallOrganizationalStructure(VerticalOrganizational Structure)

Large, complexorganizations often require a taller hierarchy. Inits simplest form, a tall structure results in one long chain of command similar to the military. As an organization grows, the number of management levels increases and the structure grows taller. In a tall structure, managers form many ranks and each has a small area of control. Generally, the greater the height of the organization chart, the smaller is the span of control, and vice versa.

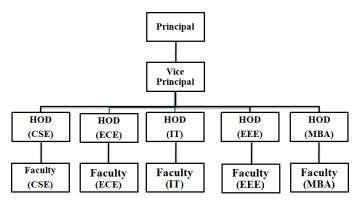


Fig: Tall Organizational Structure

Tallorganizationshavemanylevelsofhierarchy.Spanofcontrolisnarrow.Linesofcommunicationarelong. There are many level of middle management between top managementandemployees.

## **ADVANTAGES**

- 1. Allows for tight control and supervision
- 2. Quality of performance will improve
- 3. The manager gets more time to plan and organize
- 4. Easy communication is possible

# DISADVANTAGES

- 1. Delays in communication
- 2. It is very costly
- 3. Decisions are delayed
- 4. Coordination among numerous managers becomes difficult

## PRINCIPLESOFORGANIZATION

**1. Principle of Objective:** The enterprise should set up certain aims for the achievement of which various departments should work. A common goal so devised for the business as a wholeand the organization is set up to achieve that goal. In the absence of a common aim, various departments will set up their own goals and there is a possibility of conflicting objectives for different departments. So there must be an objective for the organization.

**2. Principle of Specialization:** The organization should be set up in such a way that everyindividual should be assigned a duty according to his skill and qualification. The person should continue the same work so that he specializes in his work. This helps in increasing production intheconcern.

**3. PrinciplesofCo-ordination:**Theco-ordinationofdifferentactivitiesisanimportantprinciple of the organization. There should besome agency toco-ordinate the activities of various departments. In the absence of co-ordination there is a possibility of setting up different goals by different departments.

**4. Principle of Authority and Responsibility:** The authority flows downward in the line. Everyindividualisgiven authority togetthe workdone.Thoughauthority canbe delegatedbutresponsibility

lies with the man who has been given the work. If a superior delegates his authority to his subordinate, the super ioris not absolved of his responsibility, though the

subordinate becomes liable to his superior. The responsibility cannot be delegated under any circumstances.

**5. Principle of Definition:** The scope of authority and responsibility should be clearly defined. Every person should know his work with definiteness. If the duties are not clearly assigned, thenit will not be possible to fix responsibility also. The relationship between different departments build also be clearly defined to make the work of ficient and smooth.

**6. Span of Control:** Span of control means how many subordinates can be supervised by asupervisor. The number of subordinates should be such that the supervisor should be able tocontrol their work effectively. If the span of control is disproportionate, it is bound to affect the efficiency of the workersbecause of slow communication with the supervisors.

**7. Principle of Balance:** The principle means that assignment of work should be such that everyperson should be given only that much work which he can perform well. Some person is overworked and the other is under-worked, then the work will suffer in both the situations. The workshould bedivided in such awaythateverybodyshould be able togive hismaximum.

**8. Principle of Continuity:** The organization should be amendable according to the changing situations. Everyday there are changes in methods of production and marketing systems. Theorganization should be dynamic and not static. There should always be a possibility of making necessary adjustments.

**9. Principle of Uniformity:** The organization should provide for the distribution of work in such a manner that the uniformity is maintained. Each officer should be in-charge of his respectiveareasoas to avoid dual subordination and conflicts.

**10. PrincipleofUnityofCommand:**Thereshouldbeaunityofcommandintheorganization.A person should be answerable to one boss only.Ifa person is under the control of more thanone person then there may be confusion and conflict. He gets contradictory orders from differentsuperiors.This principlecreates a sense of responsibility one person.

**11. Principle ofException:**This principle states that top managementshould interfere onlywhensomethinggoeswrong.Ifthethingsaredoneasperplansthenthereisnoneedforthe

interference of top management. The management should leave routine things to besupervised by lower cadres. Principle of exception allows top management to concentrate on planning and policy formulation. Important time of management is notwasted on avoidable supervision.

**12. Principle of Simplicity:** The organizational structure should be simple so that it is easilyunderstood by each and every person. The authority, responsibility and position of every personshould be made clear so that there is no confusion about these things. A complex organizational structure will create doubts and conflicts among persons. There may also be overlapping and duplication of efforts which mayotherwise be avoided.

**13. Principle of Efficiency:** The organization should be able to achieve enterprise objectives at aminimumcost. The standards of costs and revenue are pre-

determinedandperformanceshouldbeaccordingtothesegoals. Theorganization should also enable the atta inmentofjobs at is faction to various employees.

**14. Scalar Principle:** This principle refers to the vertical placement of supervisors starting fromtop and going to the lower level. The scalar chain is a pre-requisite for effective and efficientorganization.

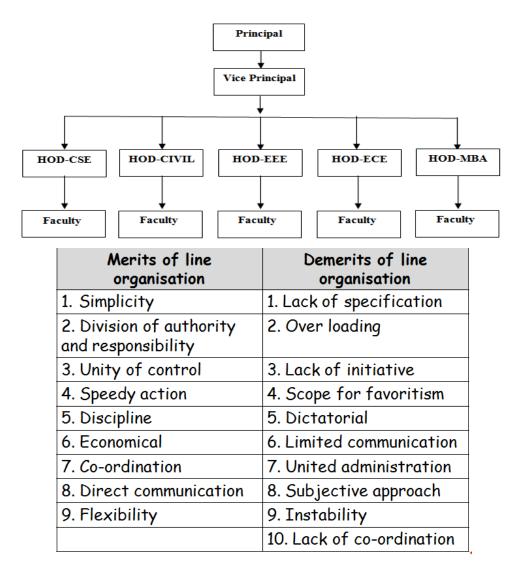
#### ORGANIZATIONDESIGNANDSTRUCTURES

An organization can be classified on the basis of authority relationship or on the basis of itsdepartments.

#### I. Organizationstructures basedonauthorityrelationships

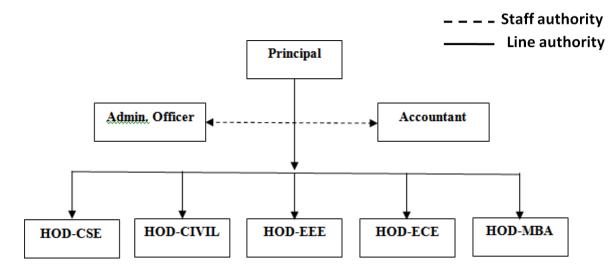
1. Line Organization: Line organization is the simple and oldest type of organization followed in an organization. Under line organization, each department is generally acompleteselfcontainedunit.Aseparatepersonwilllookaftertheactivitiesofthedepartment and he has full control over the department. The same level executives do not give or receive orders amongst themselves. But they receive orders from their immediateboss and give orders to their subordinates. Hence, all the heads are responsible to the general manager, the general manager, in turn. is responsible to the shareholders who are the owners. This type of organization is followed in the army on the same pattern. So, it

iscalledmilitaryorganization.Under thistypeoforganization,theline of authorityflowsfrom the top to bottom vertically. So it iscalled lineorganization



2. Line and Staff organization: In this organization, we have both the line managers and the staff managers. The staff managers are specially appointed to advise, suggest, or assist the line managers in their day to day matters. The word \_staff means a stick for support. The line officers have authority to take decisions and implement them to achieve the objectives of the organization. The line officers may be assisted, advised, suggested in their day to day matters by the staff officers while framing the policies and plans and taking decisions organization. The authority flows from top level to the lower level of theorganization through the line officers while the staff officers while the officers and plans and taking decisions organization. The authority flows from top level to the lower level of the organization through the line officers while the staff officers attached to the various

departments advise the departments. The staff officers are not in a position to compel theline officers to follow the advice by them. Each department is headed by a line officerwhoexercises full authorityregarding planning.



Merits of line and staff organization	Demerits of line and staff organization		
1. It enhances the quality of decisions	<ol> <li>It may create more friction or conflict between line and staff managers</li> </ol>		
2. There is great scope for advancement	<ol> <li>Staff suggestions are seldom implemented</li> </ol>		
3. It relieves the line managers	3. It is expensive to have both staff and line managers		
<ol> <li>It is mostly beneficial where there is a line of command within staff departments, as in the case of Armed forces</li> </ol>			

3. **Functional organization:** Under line organization, a single person is in charge of all theactivities of the concerned department. The person in charge finds it difficult to superviseall the activities efficiently.Taylor observed that one single foreman was overburdenedwithalltheoperationssuchastasksetting,timerecording,qualityinspection,

disciplinary jobs and so on. He divided this job into eight functional foremen-four dealingwith the planning task and four dealing with the implementation task.

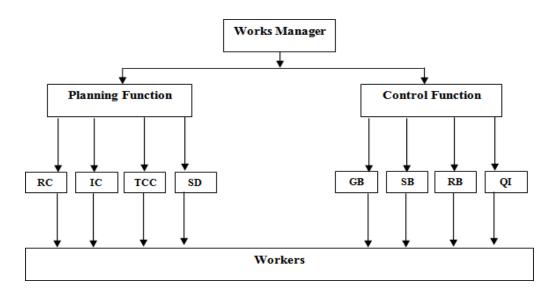
Theforemeninvolvedin theplanningtask are:

- Routeclerk (identifytherouteformaterials topass on)
- Instructionclerk
- Timeandcostclerk
- Shopdisciplinarian

Theforemeninvolved in the implementation task are:

- GangBoss (Assembles themachineryneeded forwork)
- SpeedBoss
- RepairBoss
- Qualityinspector

Under functional organization, various specialists are for various functions performed inan organization. These specialists will attend to the work which is common to differentfunctionsofvariousdepartments.Workers,underfunctionalorganization,receiveinstruc tions from various specialists. From this, it can be noted that the functional type oforganizationviolates the principle ofoneemployee, onesuperior.



Merits of functional organization	Demerits of functional organization		
1. Planned specialization	<ol> <li>Ineffective control as workers have more than one boss</li> </ol>		
2. Separates activities related to planning and control	2. Very costly		
3. Facilitates large scale production through standardization	3. Calls for more coordination		
4. The disciplinary controls are well defined	4. Less appropriate when an organization diversifies		
5. Appropriate when there is a single product or service	5. No clear line of authority		
6. Offers clear career paths for functional specialists			

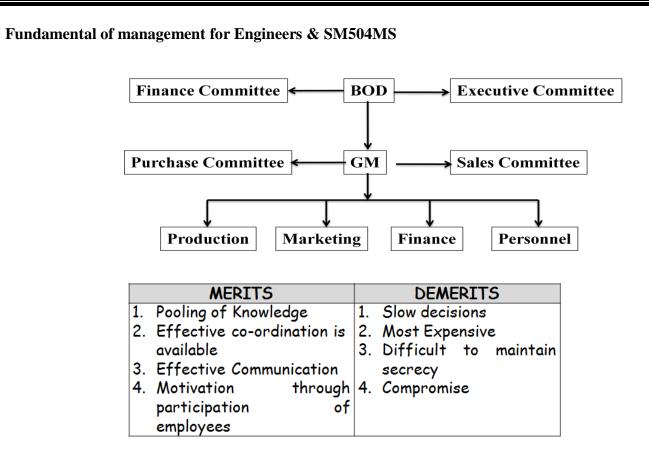
4. **Committeeorganization:**Acommitteemaybedefinedasagroupofpeopleperformingsomeaspec ts of Managerial functions.

# **Definitions:**

-A committee consists of a group of people specifically designated to perform some administrativework -W.H.Newman

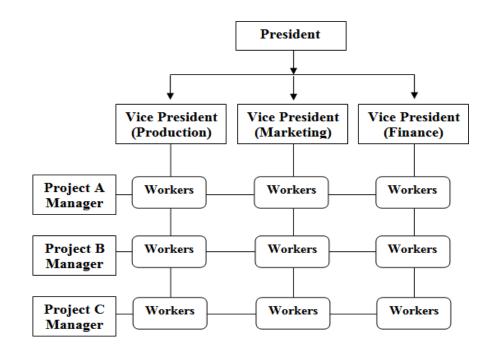
- A committee is a body of persons appointed or elected to meet on an organized basisforthe consideration fmatters brought before it **I.-Allen** 

A committee is formed when two or more persons are appointed to work as a team toarrive at a decision on the matters referred to it. It is intended to utilize the knowledge,skills, and experiences of all the concerned parties. Particularly, in large organizations,problems are too high to be handled by onesingle expert. The committee studies thenatureoftheproblembycarefullyscrutinizingtheofficerecords,ruleposition,analysisofpreced ence(how suchcases havebeen dealt with in thepast), and so on.



5. **Matrix organization:** This is also called as project organization. Matrix organizationstructure is essentially a violation of unity of command A matrix organization is defined as an organization where people have to report to more than one boss. The first boss will be their functional manager and the other can be a project manager. Personnel are drawnfrom their respective functional departments. Each functional staff has two bosses his administrative head and his project manager.

The main objective of matrix organization is to secure higher degree of coordination thanwhat is possible from the conventional organization structures such as the line and staff.Inmatrixorganizationtherearetwochainofcommandonealongfunctionallines(vertically) and the other along the project line (horizontally). The figure shows that thepresident has three vice presidents for various departments and two project managers fortwo locationsA and B. The figure reveals that both functional manager and projectmanager exercise authorityover theworkers.



MERITS	DEMERITS		
1. It offers operational freedom & flexibility.	1. It calls for greater degree of coordination.		
2.It focuses on end results.	2.It violates unity of command.		
3.It maintenance professional			
Identity.	3.Difficult to define authority & responsibility.		
4.It holds an employee			
responsible for management of resources.	<ol> <li>Employee may be de motivated.</li> </ol>		

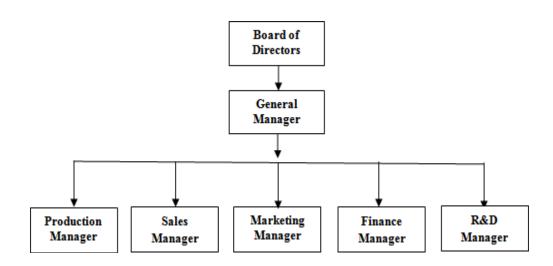
6. Virtual organization: Virtual organizations facilitate competitiveness particularly whenthese organizations are part of the global economy. Here, there can be alliances andpartnerships with other organizations almost all over world. It is a flexible Organizationstructurethatremovesthetraditionalboundaries.Itallowseasyreassignmentandreall ocationofresourcestotakequickadvantageofshiftingopportunitiesinglobalmarkets.ThevirtualO rganizationisatemporarynetworkofcompaniesthatcometogether quickly to exploit fast changing opportunities. VirtualOrganizations appear tobebiggerthantraditionalorganizations.Asvirtualorganizingrequiresastrong

information technology (IT) platform. The boundaries that traditionally separate a firmfromitssuppliers, customers and even competitors are largely eliminated, temporarily and in respect to a given transaction or business purpose. Virtual Organizations come into being 'as needed' when alliances are called into action to meet specific operating needs and objectives. When the task is complete, the alliance rests until next called into action. Each partner in the alliance contributes to the virtual Organization what it is best at-its corecompetence

7. Cellular Organization: Organization structured around the units/cells that complete theentire assembly processes are called cellular organizations. In the modem organizations, cellular Organizations have been replacing the continuous line or linear production rocesssystems. Incellularorganizations, workersmanufacture total productor subassemblies in teams (cells). Every team (cell) of workers has the responsibility to improve or maintain the quality and quantity of its products. Each team is free to reorganize itself to improve performance and product quality. These cells comprise self-managed teams. They monitor themselves and also correct where necessary on their own.Cellular Organizations are characterized by much smaller staff all over the Organizationwith middle management positions reduced and lean management members at the top. Itisboth alean and flat structure.

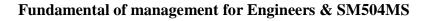
# II. Organizationstructuresbasedonitsdepartments

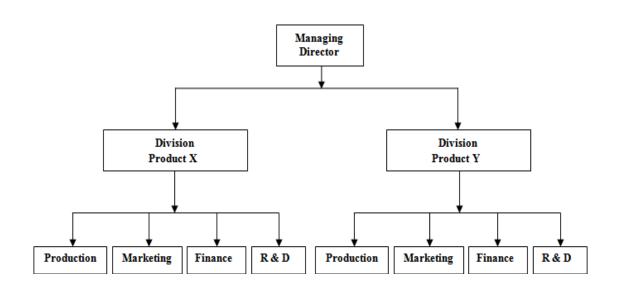
1. **Functional departmentation:** The process of classifying the organization on the basis ofdepartments or similar activities in it is called *departmentation*. This is similar to themodern view of functional structure of organizations. Marketing, Production, Finance,Salesetc.arethebasicfunctionsofmanufacturingorganization.Itfollowsthespecializatio nprinciple. Everydepartment is viewed as a separate entitybyitself.



MERITS	DEMERITS		
1. It follows specialization	1. It delays decisions		
2.Specialization enhances	2.Lack of coordination		
quality	3.It is expensive		
3.Reduces load on seniors	4.Not suitable for small		
4.It offers better control	organizations		
5. Training needs can be well	5.Department objectives		
identified	are more focused than		
6.It is suitable for medium and	the corporate goals.		
large organizations			

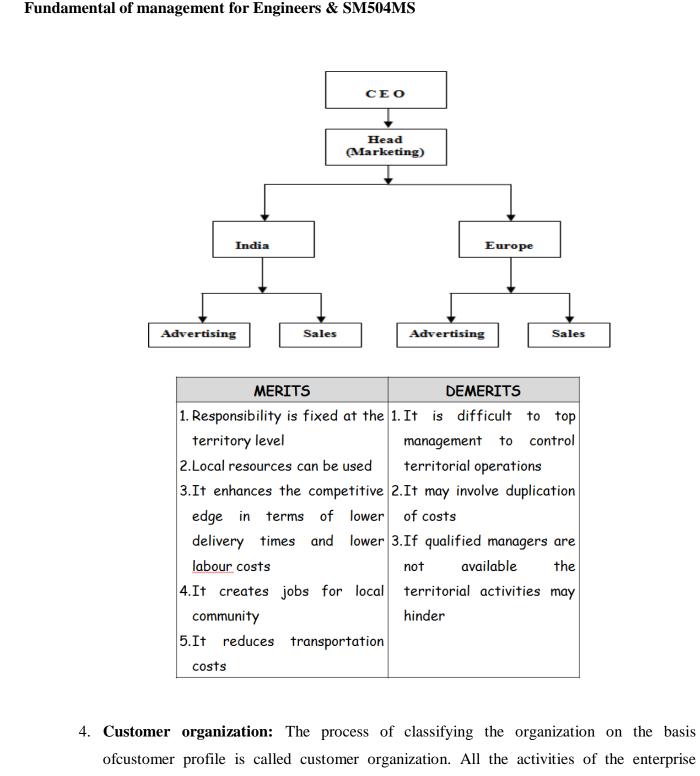
2. Productorganization: The process of classifying the organization on the basis of products is called product organization. The grouping of the production and sales effortsof a business according particular line of services.The departments to a goods or arebased on the products manufacture dors ervices rendered. The product-based organization offers scope to strengthen the manufacturing facilities, skills and knowledgeforeveryproduct orservice.It can beused for growth and diversification.



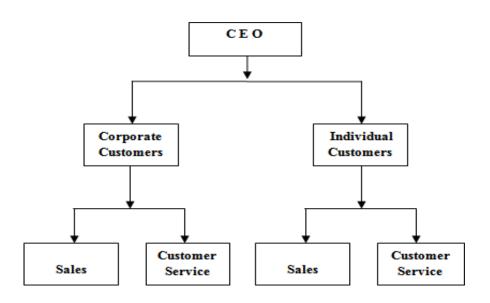


	MERITS		DEMERITS			
1. It	strengthen	the	1. Adequa	te	number	of
manu	facturing	facilities	qualifie	d m	nanagers	may
product-wise or process-wise			not be available			
2.It p	rovides for gr	owth and	2.Cost inc	reas	es	
diver	rsification		3.Controll	ing	problem	for
3.It e	nsures better	customer	top man	agen	nent	
care			4.Proper	coor	rdination	may
4.All	facilities are	available	not exis	t t		
unde	r one roof					
5.Responsibility can be fixed						

3. **Regional or Geographical organization:** The process of classifying the organization on the basis of regions is called geographical organization. Organization is divided intoterritoriesorregionscommonlyusedforthedecentralizationofresponsibilityovercertain areas. This method is popularly used in sales and production function. This typeof structure allows an organization's offices to operate individually while adhering tocompany policies and values. Office locations can be local, national or international. Geographic organizational structure allows for each business unit or office to operate asitsown entitybased on whereit's located.



4. **Customer organization:** The process of classifying the organization on the basis of customer profile is called customer organization. All the activities of the enterprise aregrouped on the basis of the profile of its customers. Each group is managed by onedepartment head. This type of organization is designed to cater to the requirements ofclearlydefined customergroups.



MERITS	DEMERITS		
1. It focuses on the specific	1. It calls for focused		
needs of individual customers	training <u>programms</u> to		
2.It ensures better customer	cater to the specific		
care	customer needs		
3.It develops a competitive	2.It may be very costly		
advantage through core-	3.If customer group is		
competence	small, it is not useful		
4.It is based on growing and	4. The customer		
diversified needs of	requirements keep		
customer	changing		

# MODERN TRENDS IN ORGANIZATIONAL STRUCTURES

# DESIGNSVIRTUAL ORGANIZATION STRUCTURE

This new form of organization, i.e., \_virtual organization' emergedin 1990 and is also known asdigital organization, network organization or modular organization. Simply speaking, a virtualorganization is a network of cooperation made possible by, what is called ICT, i.e. InformationandCommunicationTechnology,whichisflexibleandcomestomeetthedynamicsofthe

market.VirtualOrganization:Avirtualorganizationisonewhoseemployeesarespreadgeographicallyand communicateviaphone,email,andtheinternet.Theconceptexplorestechnologiesandissuessurroundingv irtualorganizationsfromaknowledgemanagementperspective.Virtualorganizationsfacilitatecompetiti venessparticularlywhentheseorganizations are part of the global economy. Virtual organization structure does not physicallyexist,butits effect is felt.

# Virtualorganization is onethatit

- (1) doesnot haveaphysical(bricks and mortar) presence but exists electronically (virtually) ontheinternet.
- (2) isnot constrained by the legal definition of a company, or
- (3) isformedinaninformalmanner asanallianceofindependentlegal entities.

# CELLULARORGANIZATIONSTRUCTURE

Organizations structured around the units/cells that complete the entire assembly process arecalled cellular organizations. In cellular organizations, workers manufacture total product orsub-assemblies in teams (cells). Every team (cell) of workers has the responsibility to improve maintain the quality and quantity of its products. These cells comprise self-managed teams. Theymonitor themselves and also correct where necessary on the irown.

**Example**: A system of hyper market such as BIGBAZAR is composed of many diversified subsystems, say, electronic goods, good court, grocery etc. all these will be located and operatedunder one roof under the control of one coordinator, while each subsystem will report to itsmotherconcernalso.Forexample,anelectronicgoods(sayaPHILIPSTV)sellerhastoabideby the regulations of Big Bazaar for selling function and reports to his company (Philips India)forotheraspects.

#### **BOUNDARYLES ORGANIZATIONSTRUCTURE**

An organization has external boundaries that separate it from its suppliers and customers, and internal boundaries that provide demarcation to departments. This rigidity is removed in

boundarylessorganizations, where the goalist odevelop greater flexibility and responsiveness to change and to facilitate the free exchange of information and ideas. It is made up of self-managing and cross-functional teams that are organized around core business processes. The teams include employees from different functional areas as well as customers and suppliers.

## TEAMORGANIZATIONSTRUCTURE

Astructureinwhichtheentireorganizationismadeupofworkgroupsorteamsisknownasteamstructure.Tea mstructuresarebothpermanentandtemporaryinnatureassituationdemands.\_We report to each other' is the main feature of team structure.A cross functionalteam comprises members from different functional departments such as marketing, finance, HR,productionetc.Projectteamsareconvenedforaparticulartaskorprojectandthesegetdissolvedoncetas k is completed.

#### DEPARTMENTATION

The first task in designing an organization structure is the identification of activities and to groupthem properly. The process of grouping the activities is known as Departmentation. The processof grouping of activities into units for the purpose of administration is called departmentation.

It can be defined "as the process by which activities or functions of enterprise are grouped homogeneously into different groups." The administrative units are called divisions, units or departments.

#### The followings are the basis of departmentation:

- a) WhendepartmentationisdoneonthebackoffunctionsthedepartmentscreatedareProduction,mark eting,accounting,andfinanceand personneldepartments.
- b) Whendepartmentationisdoneonthebasisofgeographicalarea,thedepartmentsareknownaseaster n department, westerndepartment, northernandsoutherndepartment.
- c) Departmentationcanbe doneonthebasisofcustomers.
- d) Departmentationcanbe doneon the basis of product handled.

# DELEGATIONOFAUTHORITY

The process of transferring authority form the top to the lower levels in the organization is called **delegation**. Although a task maybe delegated or passed down the chain of command form amanager to a subordinate, the manager continues to be responsible for making sure that his/herinstructions are carried out. The organization is said to be **centralized** when the authority to takedecisions is held by the corporate office. If the authority is delegated to the regional offices, thentheorganization is said to be**decentralized**.

# EMPOWERMENT

Empowerment means authority orpower given to someone to do something. A managementpractice of sharing information, rewards, andpower with employees so that they can takeinitiative and makedecisions to solveproblems and improves ervice and performance.

Empowerment is based on the idea that giving employees skills, resources, authority, opportunity,

motivation, as well holding them responsible and accountable for outcomes of theiractions, will contributeto their competenceand satisfaction.

# Strategiestoempower:

**1. Fosteropencommunication:**bottom-upopencommunicationismuchpowerfulwhencompared to top-down communication. In open communication, employees can present theirthoughts, feelings and observations known easily and regularly. Use the feedback effectively and constructively. Never thing of antagonizing employees for their criticism. Appreciate and rewardthenewideas.Focusoncreativityandinnovationsothattheorganizationbecomesabuoyantonewith higher degreeof new thinkingand different perspectives.

**2. Reward self-improvement:** To overcome complacency and stagnation among the employees, encourage and reward them for self-improvement, have budget and time in place for personal development and training. Motivate employees to set a plan for growth and reward them as they advance. This is one sure way of creating leadership opportunities.

# 3. Lettheemployeesexperimentiononacontinuousbasis. Evenifthey

fail, keep on encouraging them to move forward. They should not feel that fail ure will cost their future. This

makes them more risk averse. Promote an environment where they can try new things whileprotectingtheinterestsoftheorganization.Developlaboratoryenvironmenttotestnewideasand learn from the failures, if any.Unless the employees willgain understanding and feelcomfortable, they cannot focus on testing their new ideas on the field and bring innovation in theorganizational perspectives. Exhibit high degree of trust and support in the employees' ability toaccomplisha workassignment.

**4. Provide sufficient authority:** Delegate adequate authority so that the employees can develop the feeling of — I can do my jobl and then address every problem in their work front. Further, give them ideas to experiment. Give them every opportunity to clearly understand the corevalues, purpose and direction of the company so that they can easily make consistent decisions and take appropriate action at any junction. Promote share vision to develop leadership acrosscadres.

**5. Encourage to work beyond the given role:** the vision of each job needs to bearticulated. The employees need to think beyond their job roles and description within their functional areassothattheybringdynamismintotheirownwelldefinedroles. Also support their independence in the job roles by providing necessary skills and resources.

**6. Fix accountability for results:** To understand the consequences of failures and need formaking an extra effort, every employee need to be held accountable for results. Also keepappreciating and reward their efforts through consistent and diligent measurement of performance for their high morale.

# CENTRALIZATION

Centralization is the degree to which decision-making is concentrated at upper levels of theorganization.Centralization is a process where the concentration of decision making is in a fewhands; All the important decisions and actions at the lower level, are subject to the approval oftopmanagement.

# **Benefits:**

1. Centralizationoffersasimple, easier-to-managesystem.

- 2. Itimprovesefficiencybytakingadvantageofpotential economiesofscale.
- 3. Itbringsgroupstogethertocreateorderandenforceuniformityinthepolicies,practices,proceduresa ndprocess.
- 4. Itavoidsthewasteofmoneyonduplicatesystems, extrawork, and manual processes.
- 5. Directand closecontrolonoperations.

#### DECENTRALIZATION

Decentralization is the degree to which lower-level employees are givenauthority to makedecisionsexcept that which can only be exercised at central points. Decentralization is simply amatter of dividing up the managerial work and assigning specific duties to the various executiveskills. Decentralization is a systematic delegation of authority at all levels of management andthroughout the organization. Authority is retained by the top management for taking majordecisions andframing policies concerning the whole concern. –Everything thatincreasing the roleofsubordinatesisdecentralizationandthatdecreasesthe roleiscentralization.

#### **Benefits:**

- 1. Itpromotesefficiencyasaresultoffasterdecisionmaking. The branches are empowered to take decis ions within the given framework.
- 2. Itimprovesspeedandflexibilitybyreorganizingtoincreaselocalcontrolandexecutionofaservice.
- 3. Itbreaksawayfromfrustratingbureaucratic waysoftraditionalsystems.
- 4. Incaseofadversityorcrisis, the damage can be confined to a given zone. The operations of other zones are not affected.
- 5. Improvesscopeforcustomization.

#### RECENTRALIZATION

Recentralizationis the process oftaking back the authority from the divisions or departmentswhere the purpose of decentralization is not achieved. If the situation so demands, the top management may hold back the power authority from the lower level managers which or wereearlierdecentralized.Sincebusinessconditionsarevolatileanduncertain,theprocessofdecentralizati onmaynotyieldtheexpectedresults.Incaseswheretherearemanycomplaints

from the customers or vendors, the head office may roll back the authority delegated to thebranchoffices. Where decentralization has failed, the head office institutes a detailed enquiry, call for al the reasons of failure, analyze how it can be corrected and identify who has to betrained further to improve the service quality. Once the corporate office feels that situation is under control and the divisional office is fully geared up to handle the situation competently, then the authori tycan bedelegated back.

#### **Benefits:**

- 1. Itoffersscopeforthemangerstocorrectthesituationinstantly.
- 2. Itimproves the confidence level of the stakeholders.
- 3. Theheadoffice cantakestockofthe situationand decidethe nextbestcourseofaction.
- 4. It is quick response tool to uphold service quality by improving leadership competence, staff motivation, improves erviced elivery by addressing the delays and increased bure aucracy.

# ORGANIZATIONALCULTURE

To understand the meaning of organizational culture, we must first understand the meaning of culture.-Culture is the set of important understandings that members of a community share in common II. It consist of a basic set of values, ideas, perceptions, preferences, concept of morality, code of conduct etc, which create a distinctiveness among human groups. In simple words, we can say that-culture is a combination of factors that are learned through our interaction with the environment during our developmental and growthy ears II.

Organizational culture is the set of assumptions, beliefs, values, customs, traditions and normsthat are shared by the members of an organization. It may be consciously created by its keymembers, or may have simply evolved over time. It represents a key element of the it workenvironmentinwhichemployeesperformtheirjobs. Aculturemayexistacrossanentireorganization, or itmay refer to the environment within a single division, branch, plant, ordepartment. The idea of organizational culture is somewhat intangible, for we cannot see it ortouchit, but it is present and pervasive. Like the air in a room, its urrounds and affects everything that happens inanorganization.Becauseitisadynamicsystemsconcept,cultureis

alsoaffectedbyalmosteverythingthatoccurswithinanorganization. Theygiveanorganizational identity to employees— a defining vision of what the organization represents. They are also an important source of stability and continuity to the organization which provides as ensely security its members. Also called corporate culture, it's shown in:

- 1) Thewaystheorganizationconductsitsbusiness,treatsitsemployees,customers,andthewidercom munity,
- 2) Theextenttowhichfreedomisallowedindecisionmaking,developingnewideas,andpersonalexpr ession,
- 3) Howpower and information flow through its hierarchy, and
- 4) Howcommitted employees are towards collective objectives.

It affects the organization's productivity and performance, and provides guidelines on customercare and service, product quality and safety, attendance and punctuality, and concern for theenvironment.

# Characteristicsof OrganizationalCulture

**1. Individual Autonomy:** The degree of responsibility, freedom and opportunities of exercising initiative that individuals have in the organisation.

**2. Structure:** The degree to which the organisation creates clear objectives and performanceexpectations. It also includes the degree of direct supervision that is used to control employeebehaviour.

**3. ManagementSupport:**Thedegreetowhich,managersprovideclearcommunication,assistance;warm th and support to their subordinates.

**4. Identity:** The degree to which, members identify with the organisation as a whole rather thanwiththeir particular work groupor field of professional expertise.

**5. Performance Reward System:** The degree to which reward system in the organisation like increase in salary, promotions etc. is based on employee performance rather than on seniority, favouritism on seniority.

**6.** Conflict Tolerance: The degree of conflict present in relationships between colleagues andwork groups as wellas the degree to which employees are encouraged to air conflict and criticisms openly.

**7. Risk Tolerance:** The degree to which, employees are encouraged to be innovative, aggressiveandrisk taking.

**8. Communication Patterns:** The degree to which, organisational communications are restricted to the formal hierarchy of authority.

**9. Outcome Orientation:** The degree to which, management focuses on results or outcomesratherthan on thetechniques and processes used to achieve these outcomes.

**10. People Orientation:** The degree to which, management decisions take into consideration theimpactof outcomes on people within theorganisation.

#### ORGANIZATIONALCLIMATE

Beforeunderstandingthemeaningoforganizationalclimate, we must first understand the concept of climate. Climate in natural sense is referred to as the condition of the weather at aplaceinaparticular period of time and it consists of the mean transmission of the sense.

The concept of organisational climate was formally introduced by the human relationists in the late 1940s. Some persons have used organisational culture and organisational climate interchangeably. But there are some basic differences between these two terms. According to Bowditch and Buono, -Organisational culture is connected with the nature of beliefs and expectations about organisational life, while climate is an indicator of whether these beliefs and expectations are being fulfilled. Climate of an organisation is somewhat like the personality of aperson. Just as every individual has a personality that makes him unique and different from other persons. Each organisation has an organisational climate that clearly distinguishes it from other organisations.

#### Fundamental of management for Engineers & SM504MS

Basically, the organisational climate reflects person's perception of theorganisation to which he belongs. It is a set of unique characteristics and features that are perceived by the employees about their organisations which serves as a major force in influencing their behaviour.

The term, \_Organisational climate' is defined as a relatively enduring quality of the internalenvironment of an organisation as perceived and experienced by its members, which can bedescribed in terms of specific dimensions or characteristics and which influences the patterns ofbehavior and work performance of members. Organisation climate evolves over a fairly longperiod of time and is relatively stable. Since the dimensions of climate are internal, they can bemeasured, controlled and changed by the organisation, if it so decides. Organisational climate is the major frame of reference for the member's interpretation of organisational decisions andactions also theirown attitudes, behaviour and performance.

AccordingtoForehandandGilmer,-Climateconsistsofasetofcharacteristicsthatdescribean organisation, distinguishit from other organisations are relatively enduring overtime and influence the behaviour of people init.

# Characteristics

- a) Organisational values, goals and priorities which are pursued in practice as against thosewhichareprofessed.
- b) Managerialvaluesystemsandlifestyles.
- c) Competence, character, commitment and dynamism of management.
- d) The complexion of organisational policies and practices and the consistency.
- e) The power structure-The extent of concentration or dispersal of authority.
- f) General organisational structure-hierarchy, rigidity vs. flexibility, clarity of the structure,communicationandcontrolsystems,superiorsubordinaterelations,informalsocialrelationships,etc.
- g) Nature of jobs degree of skill required, relation between effort and productivity, varietyin the tasks, perceived importance of the job, rewards associated with the job, relationwith otherjobs, securityand so on.
- h) Degreeoffreedomandcontrol-

requirements of conformity and compliance to organisational norms and the extent to which

# Fundamental of management for Engineers & SM504MS

behaviourofemployeesis structured.

i) Supervisorystyle-

attitudes and behaviour of supervisors and managers towards their subordinates and towards performance requirements.

- j) Reward structure-rewardlevelsandinterrelations, equity in reward structures, monetary and nonmonetary rewards.
- k) Organisationalapproachtoconflictanddissent, amicable resolution or suppression of conflict.
- 1) Thephysicalworkingconditions intheorganisation.

#### FactorsAffectingOrganisationalClimate

Factorsaffectingorganizationalclimatedifferfromorganizationtoorganization. Insomeorganizations certain factors like structure, or process plays a major role and in some otherorganizations, technology might be the major factor influencing the climate. However the majorfactors, according to Lawrence James and Allan Jones affecting the organizational climate can begroupedunder thefollowingheads:

**1. Organizationalcontent:**Thereactionsoftheemployeesandthedegreetowhichtheywelcome and accept the managerial philosophy is very crucial to the development of sound and favorable organizational climate.

**2. Structure:** Structure is the framework that establishes formal relationship and delineatesauthority and functional responsibility. It is generally believed that decentralized structure results insound climate.

**3. Process:** In every organization certain processes are vital so that it functions. Communication,decision making, motivation and leadership are some of the important processes through whichmanagementachievesthetasks.Forinstance,ifweconsiderleaderfollowerrelationship,leadership process, it is leader's choice whether to allow subordinates in decision-making, giveassignments, etc. A leader has to be aware of the possible influence of his actions on the climatewhiledecidingabout the most appropriate supervisorytechnique for agivensituation.

**4. Physical Environment:** the external conditions of environment, the size, location of the workplaceetc.,willalsoaffectorganizationalclimate.Anemployeeperforminghisjobinrelatively

clean, quiet, safe environment will undoubtedly have a favorable perception of the organizationalclimate.

**5. SystemValuesandNorms:**Every organizationhasdiscernibleandfairly formalvaluesystem where certain kinds of behaviors are rewarded and encouraged and certain kinds ofbehavior forces an individual to formal sanctions. The formal value system is communicated to employees through rules, regulations and policies. But informal value system is very difficult to ascertain.But both exertinfluenceon organizational climate.

#### **ORGANIZATIONAL CHANGE**

Changes are taking place all around without exception. It is but natural that everything changesover time. Whatremainsconstantischange itself?Therefore,it's theresponsibility of themanager to appreciate the change, assess its impact on the organization and prepare to adopt it, ifnecessary.Dependingonthemagnitudeofchange,itmayimpactanindividual,agroup,structure, process and subsystems. By scanning the environment and deciphering how changes inthe environmentare likely towiden thegap between desired and actual state of affairs of organization such as productivity, customer and employer satisfactions ,the degree and impact ofchange could be gauged. Manager can be a change agent by introducing planned changes in theorganization.

#### Meaning

The term change in the organization context refers to any alteration that occurs in the workenvironment. Planned changes mean those changes which are effected in a planned manner afterassessingtheneedforchangeandworkingoutthedetailsastowhenandhowtheywillbecarried out. A planned change is also called *proactive change*. In contrast, reactive change is theone which takes place in random fashion as a crisis situation develops. For proactive or plannedchange to be initiated, manager shall be sensitive to the environmental changes affecting theorganizationso that organizationalcrisissituations can beaverted.

Organizationalchange is the processby which organization move from their presentstate to some desired future stateto increase effectiveness. When an organization system is disturbed by

some internal or external forces, change frequently occur or any alteration which occur in theoverallworkenvironment of an organization.

#### Organizationalchange

isboththeprocessinwhichanorganizationchangesitsstructure,strategies,operationalmethods,technolog ies,ororganizationalculturetoaffectchangewithinthe organization and the effects of these changes on the organization. Organizational change canbecontinuous or occur for distinct periods of time.

# Characteristics

- a) Changehappenforthepressureorbothinternaland external forces in the organization.
- b) Changeinanypartoftheorganizationaffect thewholeorganization.
- c) Changemayaffectpeople, structure, technologyand otherelements of the organization.
- d) Change alsoaffects the rate of speed and degree of effectiveness of the organization.
- e) Changemaybereactiveorproactive.

# StepstoOrganizationalChange management

- Clearly define the change and align it to business goals: It is one thing to articulate thechangerequiredandentirely another toconduct a critical review againstorganizationalobjectives and performance goals to ensure the change will carry your business in the rightdirection strategically, financially, and ethically. Here key questions are: What do we need tochange?. Whyis this changerequired?.
- 2) **Determine impacts and those affected**: Once you know exactly what you wish to achieve and why, you should then determine the impacts of the change at various levels. Review theeffectofchangeoneachbusinessunitandhowitcascadesthroughtheorganizationalstructure to the individual. Here key questions are: What are the impacts of the change?. Whowillthe changeaffect most?. Howwillthe changebereceived?.
- 3) **Develop a communication strategy:** Determine the most effective means of communication for the group or individual that will bring them on board. The communication strategy shouldinclude a timeline for how the change will be incrementally communicated, key messages, and the communication channels and medium syoutouse. Here key questions are: How will

the change be communicated?. How will feed back be managed?. Who are to be most communicated?. W hat is the communication process?.

- 4) Provide effective training: With change message out in the open, it is important to providetraining to the employees regarding the changes made in the organization. Training may befor skills and behavior. Here key questions are: What behaviors and skills are required toachievebusinessresults?. Whattrainingdeliverymethods willbemosteffective?.
- 5) **Implementasupportstructure:**Providingasupportstructureisessentialtoassistemployees to emotionally and practically adjust to the change and to build proficiency ofbehaviors and technical skills needed to achieve desired business results. Here key questionsare:Whereissupport most required?.What typesofsupport willbemost effective?.
- 6) **Measure the change process:**Throughout thechange management process, a structureshouldbeputinplacetomeasurethebusinessimpactofthechangesandensurethatcontinued reinforcement opportunities exist to build proficiencies. Here key questions are:Did the change assist in achieving business goals?. Was the change management processsuccessful?What could havebeen donedifferently?.

# PressuresforChange

The need for change exists when the manager finds that the goals are not being achieved. Thus, tension points in the organization are identified when the gap between the desired and the actual results is noticed. Such gaps could occur due to certain changes. In other words, these changes are precursors for organizational change, which are explained in below.

**1. Labor market Environment:** The work force composition is fast changing with increasingproportion of the woman, minorities, physically challenged. For instance, in India the work forcediversity, of late is something unseen before. Human resource management policies will have tochange to attract, maintain a diverse work force. Increasing participation of woman means dual-career couples. So organizations have to change their transfer and promotional policies as well asprovidechild and elder carefacilities.

**2. Technologicaldevelopments:**Changesintechnology bring intheir wake corresponding changes in the nature of the work. Computers, telecommunication systems, robotics, and flexiblemanufacturing systems are some of the 21 st century changes that have brought unimaginable

changes at work place with respect to the time, comfort required for the execution of tasks. Withchangingtechnologies employeesskills becomeobsolete.

**3. Economicconditions:** Thisisanageofdiscontinuity. Tomentionafew, oilshocks, accelerated inflation and interest rates, the stock market crashes, currency devaluation, etc., hitsome industries and firms much harder than others. Globalization of markets is yet anothersignificant change. The problem with these shocks is that it is impossible to predict what the future shocks will be and from where the ycome from.

**5. Work place diversity:** Emergence of global markets, mobility of factors of production across the globe, integration of economic systems imposes certain demands on employees who have to interact with people in other countries and work with persons brought up in different cultures. Business organizations, therefore, have to prepare the work force which could perform and feelathomeregardless of the place of work and the composition of work teams.

**6. Competition:** Competition is intensifying by the day in every product category. Businessesalso in line with the changed realities and compulsions need to address themselves to the globalcontext.

# HUMANRESOURCEMANAGEMENT

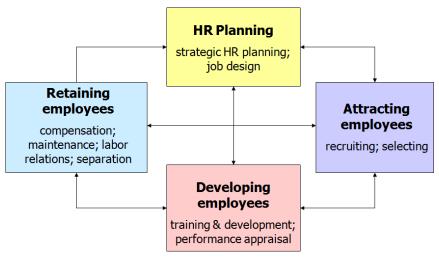
Human resources are the people who work for the organization. It is an asset to the organizationlikefactory,machineryandcash.HRMisconcernedwithmanagementofpeoplefromrecruitm ent to retirement. Human Resource management is the body of knowledge and a set of practices that define the nature of work and regulate the employment relationship. HRM is thefunction within an organization that focuses on recruitment, management and providing directionforthe peoplewho workin theOrganization.

HRM refers to the process of acquiring, training, appraising and compensating employees and ofattending to their labour relations, health and safety and faireness concerns. The HRM processconsists of planning, attracting, developing, and retaining the human resources (employees) of anorganization.

According to Flippo—-Personnel management is the planning, organizing, compensation, integration and maintain ance of people for the purpose of contributing to organizational, individual and societal goals.

# **Objectives:**

- 1) Tohelptheorganisationtoattainitsgoalseffectivelyandefficientlybyprovidingcompetentand motivatedemployees.
- 2) Toutilize the available human resources effectively.
- $3) \ \ To increase to the fullest the employee \_sjobs at is fact ion and self actualization.$
- 4) To develop and maintain the quality of worklife (QWL)
   which makes employment in the organization adesirable personal and social situation.
- 5) Tohelpmaintain ethicalpolicies and behavior inside and outside the organization.
- 6) Toestablishandmaintaincordialrelationsbetweenemployeesand management.
- 7) Toreconcileindividual/groupgoalswithorganizationalgoals.



HUMAN RESOURCE MANAGEMENT

#### Fundamental of management for Engineers & SM504MS

## TALENTMANAGEMENT

**What is talent?:** According to Mckinsey, talent is the sum of person's ability, intrinsic gifts, skills, knowledge, experience, intelligence, judgment, attitude, character, ability to learn and grow.

Talent Management, as the name itself suggests is managing the ability, competency and powerofemployeeswithinanorganization. The conceptisnotrestricted to recruiting the right candidate at the right time but it extends to exploring the hidden and unusual qualities of your employees and developing and nurturing them to get the desired results. Hiring the best talent from the industry may be a big concern for the organizations today but retaining them and most importantly, transitioning them according to the culture of the organization and getting the best best to the statement of the mis amuch bigger concern.

Talent Management in organizations is not just limited to attracting the best people from theindustry but it is a continuous process that involves sourcing, hiring, developing, retaining andpromoting them while meeting the organization's requirements simultaneously. For instance, ifan organization wants the best talent of its competitor to work with it, it needs to attract that personand offer himsomething that is far beyond his imagination to come and join and then stick to the organization. Only hiring him does not solve the purpose but getting the things done from him is the main task. Therefore, it can be said that talent management is a full-fledged process that not only controls the entry of an employee but also his or here xit.

We all know that it's people who take the organization to the next level. To achieve success inbusiness, the most important thing is to recognize the talent that can accompany you in achievingyour goal. Attracting them to work for you and strategically fitting them at a right place in yourorganization is the next step. It is to be remembered that placing a candidate at a wrong place canmultiply your problems regardless of the qualifications, skills, abilities and competency of that person. How brilliant he or she may be, but placing them at a wrong place defeats your solepurpose. The process of talent management is incomplete if you're unable to fit the best talent of the industryat theplacewhereheor she should be.

#### Fundamental of management for Engineers & SM504MS

The concept, Talent Management (TM) refers to the forecasting and planning of required humancapitalforanorganization. The termwascoined by McKinsey & Company. TM is an organization's ability to recruit, retain, and produce the most talented employees available in the job market. Talent consistently uncovers benefits in the critical areas such as revenue, customersatisfaction, quality, productivity, cost, cycletime, and market capitalization.

Talent Management is the process of creating high quality, highly engaged workforce by hiring, retaining, deploying, and engaging talent at all cadres and it has been the source of generating inimitable competitive advantage for the organization. Since the talent is a scarceresource, it must be managed effectively and efficiently.

According to Bersin, TM is defined as the implementation of integrated strategies or systems designed to improve processes for recruiting, developing, and retaining people with the required skills and aptitude to meet current and future organizational needs.

#### MeritsofTalentManagement

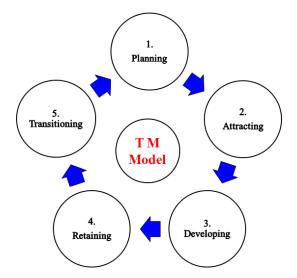
- Employee Motivation: A survey conducted by Chandler and Macleod revealed that about90% of employees wanted more than just money to feel engaged and motivated. And TM canmotivatesuchpeople as it recognized the talent.
- Higher level business performance as it attracts top talent: The very reason of existence of TM is attracting the top talent. So it is obvious to result in higher level of businessperformance.
- 3) **No problem in critical roles:** An organization will have a continuous flow of employees tofill critical roles if TM is adapted. This ensures smooth running of operations and clients and stakeholders are satisfied.
- 4) **No burden to employees**: Since the roles are fixed, the employees are not overburdened, which eventually lead to happy employment.
- 5) **Increased employee performance**: Identified \_good fit' employees, exhibition of talents areembeddedinorganizationalstrategy.Thisreducesperformancemanagementissuesandgrievances.
- 6) **Lessemployeeturnover:**Aslongastalentisrecognized,thetoptalentwithintheorganizationtends to staylonger.Thence, it willensureless employeeturnover.

- 7) **Engaged employees:** As there is fair process for development, employees feel more engagedwhichinturnincreasesretentionratesandtherewillnotbeanyfearofemployeeretrenchments.
- 8) **Reduced cost of recruitment:** The employee retention leads to reduced requirements so, anorganizationsaves onrecruitment and performancemanagement costs in the longrun.
- 9) **Higher client satisfaction**: When systems are more integrated, client satisfaction rates areusuallyhigher, sincetheyaredealing with less people and their needs are faster.
- 10) Strong and trusted organization culture: The successful organizations like Apple, Googlehave a strong organization cultures whose employees do not just work for a pay-cheque, butforsharingandcaringoftheirtalents.

#### TALENTMANAGEMENTMODEL

Talent management can include; talent acquisition (and recruitment), learning and development, organizational values and vision, performance management, career pathways and successionplanning.

While there are many talent management models, the elements of talent management can generally be catego rized into five areas; planning, attracting, developing, retaining and transitioning.



#### Fundamental of management for Engineers & SM504MS

1. **Planning**: Prior to developing the workforce plan, an evaluation of previous initiatives, anassessment of the workforce profile and talent performance and the behaviors to date, are carriedout. A workforce plan is then developed based on the current workforce situation and the futuredesired state. Theworkforce planensures that the right people, at the right time and with theright skills are employed and working towards the strategy. In other words, the workforce plantranslatesbusinessstrategyintoorganisationaltalentneeds. The planningstageoftalentmanagementis comprised of 3keyareas.

- 1. Understandingtheorganisational/businessstrategy
- 2. Evaluationandmeasurement/analytics
- 3. DevelopingaWorkforce Plan

2. **Attracting**: Organizations that understand what their value is to potential employees, willoften develop an Employee Value Proposition (EVP). The EVP articulates to employees arealistic, yet aspirational statement of the value the organisation can offer to an employee. AnexampleEVP from Hubspot is:

-We'rebuilding acompanypeoplelove. Acompanythat will stand the test of time. So we invest in our people, and optimize for your long term happiness. Attracting Involves:

- 1. EmployeeValueProposition
- 2. Marketing
- 3. Talentacquisition
- 4. Consultants/Freelancers

3. **Developing**: Development of talent can include; leadership development, emerging leaders,technical development, team building or team development days, project work and on the jobdevelopment.DevelopingInvolves:

- 1. On-boarding
- 2. PerformanceAppraisals/Management
- 3. Learningand Development
- 4. Capabilityframeworks

# 5. Careerpathways

4. **Retaining**: Culture is a continuous commitment and can be changed over time. This then tiesinto how attractive an organisation is to potential candidates, and retention rates of currentemployees as well as to how well the organization's clients are dealt with and therefore businessperformanceoverall.

Based on the workforce plan, an organisation can identify what their remuneration strategy mustbe, inorder to attract and retain the talent they require to achieve business goals. Talent management invo lves the strategicuse of recognition and rewards and is usually tied to identification of high performers and high potentials, as well as critical and highly specialized roles.

The importance of retaining top talent is critical because it can save on additional recruitmentcosts associated with hiring new employees, it can also save on the time it takes for a newemployeeto learn thejoband start performing.Retaining Involves:

- 1. Culture
- 2. Remunerationstrategy

5. **Transitioning**: Succession planning is part of the workforce plan, and can take place prior totalent acquisition, however it can also be done when there have been unexpected changes in theworkforce. Succession planning is a proactive measure and takes into account the amount of timerequired to develop talent for a particular role, or to bring someone in externally. It will usually involve the assumption that a particular role will become vacant within the next few years, eitherbecause of retirement, the nature of the role having high turnover, or it being a stepping stonetypeofrole.

During the analysis of the workforce profile, if an ageing workforce is identified, appropriate measures would be put in place to plan ahead for retirement of such talent. This could be in theform of transition contracts, such as working part-time for several years, or taking on different responsibilities for health reasons (ifrequired). Again, having this knowledge in advance totalent retiring, means that as a memployer, an organisation can be proactive and planahead for

gaps in critical roles that will become available and can also support their employees in planningaheadfor their future. TransitioningInvolves:

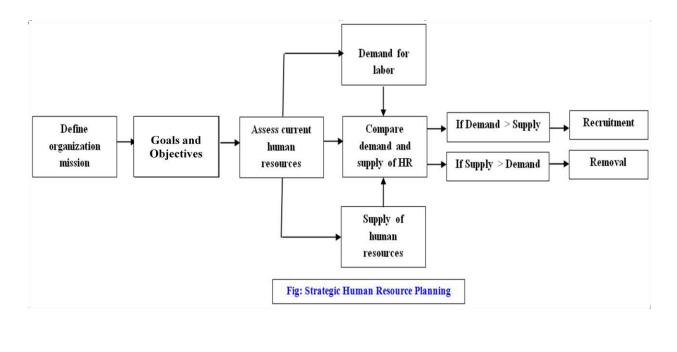
- 1. Successionplanning
- 2. Internalmobility
- 3. Retirement
- 4. Knowledgemanagement
- 5. Exitinterviews

#### STRATEGICHUMANRESOURCEPLANNING

Inordertoimprovethestrategicalignmentofstaffandotherresources, it 'sessential to understand how a strategic HR planning process works. At its most basic level, strategic human resources planning ensures adequate staffing

tomeetyourorganization'soperationalgoals, matchingtheright people with theright skills at theright time.

It's important to ask where your organization stands currently and where it is going in order toremain flexible. Each company's plan will look slightly different depending on its current andfutureneeds, but there is a basic structure that you can follow to ensure you're on the right track.



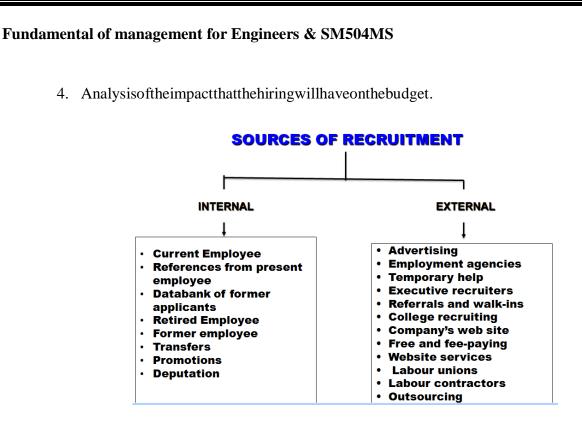
- 1. **Mission:** A mission statement defines what business the organization is in, including whyitexists and who its customers are.
- 2. **Strategicgoals/objectives:**Setbyseniormanagementtoestablishtargetsfortheorganizationto achieve.Generallydefined forthenext 5-20years.
- AssesscurrentHR:GaporSWOT(Strengths-Weaknesses-Opportunities-Threats)analysisdetermineswhatisneededtomeetobjectives.HRMdetermineswhatknowledge,s killsandabilitiesareneeded bythe organization'shuman resources.
- 4. **Determining the Demand for Labor:** A human resource inventory can be developed toproject year-by-year estimates of future HRM needs for every significant job level andtype.Forecasts mustbemadeof theneedforspecificknowledge, skillsand abilities.
- 5. **Predicting the Future Labor Supply:** A unit's supply of human resources comes fromnewhires -contingent workers transfers-individuals returningfrom leaves.
- 6. **MatchingLaborDemandandSupply:**Foremploymentplanning,compareforecastsfordemand and supplyof workers.
- 7. **Recruitment or Removal:** if demand exceeds supply, recruit the employees. If supplyexceedsdemand, remove he employees.

# RECRUITMENT

It is the process of finding and attracting capable applicants for employment. The process begins when new recruits are sought and ends when their applications are submitted. The result is poolof applicants from which new employees are selected.

Priortoinitiatingarecruitment procedure, the following matters should be considered:

- 1. Clarification of the scope and skill sets required to successfully perform the duties of the position
- 2. Review of the Job Fact Sheet or Position Description to ensure that the skills and abilities required coincide with the current expectations of the position. If they do not, then aposition evaluation should be undertaken.
- 3. Reviewof the compensation available to the position (i.e. salary and benefit plans, etc.)



#### **SELECTION**

The process of identifying the most suitable persons for the organization is called selection. Themain purpose of selection is to choose the right person for the right job. The job analysis, jobdescription, and job specifications are carried out before the position is advertised. These provideadequate insight about nature of the job, its description, and its specifications, and further focuson what type of person is to be selected for a given position. The selection of a candidate with theright combination of education, work experience, attitude, and creativity will not only increase the quality and stability of the workforce, it will also play a large role in bringing managementstrategies and planning to fruition.

#### Selectionprocessinvolvesthefollowingstages:

- 1. Initialscreening/Shortlisting
- 2. Comprehensiveapplication/biodatascreening
- 3. Aptitudeor writtenrests
- 4. Groupdiscussion
- 5. Personalinterviews
- 6. Medicalexamination
- 7. Employmentofferletter

# TRAININGANDDEVELOPMENT

**Meaning of Training:** Training is short-term process of utilizing systematic and organizedprocedure by which the staff acquires specific technical knowledge and functional skills for adefinite purpose. The focus of training is the job or task. Training means organized activity aimedat imparting information/instructions to improve the recipients 'performance.

# **Methodsof Training:**

A) **On-thejobtrainingmethods:**Itislearningbyphysicallydoingthework.Thefocushereis to provide specificskills in areal situation. Thesemethods include:

**1) Job instruction training:** This is a method used for such jobs which can be performed with relatively low skill. Here, the trainees systematically acquire skills by following routine instructions in keyprocesses from aqualified instructor.

**2) Experiential learning (Learning By Doing):** This is a modern approach to the learningprocess. This method is more used for training the senior executives. It is a technique, whichempowers the manager-trainee with the freedom of choice to act upon and the capacity toinitiate, rather than simply respond, to circumstances.

**3) Demonstration:** Here, the work procedures are demonstrated to the trainees. Each of thetrainees is asked to carry out the work, on a sample basis, based on his/her observation and understanding of the demonstration.

**4) Apprentice training:** It is a combination of on the job and class-room training wherein the workers get the knowledge about job in the class-room and then they are required toperform the same in the work place for a brief period ranging from three months to one year, depending upon the complexity of the training.

**B) Off-the job training methods:** provide a relatively broad idea relating to a given job or task. These are meant for developing an understanding of general principles, providing backgroundknowledge, or generating an avareness of comparative ideas and practice. These methods inclu de:

1) Lectures/talksandclassroominstructions: Thesetechniquesaredesigned to communicate specific interpersonal, technical, or problem-

solvingskills.Here,thetrainercanmaintainatightcontroloverlearning.However,thismethodrestrictst hetrainee'sfreedomto develop his/herown approaches to learning.

**2)** Conferences: Conferences refer to get-together of the experts from different areas of agiven topic. These experts present their views based on their work experience and researchresults. When employeesparticipate insuchevents they get a feel of the thread world.

**3**) **Seminars:** Seminars are held periodically by the professional organisations for the benefitofallthepracticingmanagersbytakingintoconsiderationtherecentadvancesinaspecializedare a.

4) **Teamdiscussions:**Thistechniquedevelopsteamspiritamongtheexecutivesfromdifferentdepart ments.Italsoenablesthemtounderstandandappreciateeachother'sproblems.

**5) Casestudy:**Thistechniquehelpstoprovideanunderstandingofwhathasgonewrongina particular case, such as Kingfisher Airlines(Vijay Malya) case. Similarly, what are thefactors responsible for the success of organizations such as Reliance or Hindustan Lever.Casestudytechnique is averygood method oflearningthe principles and concepts.

**6) Role-playing:** The participants are assigned roles and are asked to react to one another, astheywould do in their managerial jobs. Theseroles are eventually exchanged.

7) **Programmed instruction:**It is a system of instruction within which preestablishedsubjectmatterisbrokenintosmall,discretestepsandcarefullyorganizedintologicalsequen ce in which, it can be learned by the trainee. Each step is built upon the previous one.The programmed instruction techniques can be in the form of programmed tests and manuals,orvideo displays.

Forinstance, withdrawalofmoney throughautomatictellermachines (ATMs) involves responding to programmed instructions; working on a personal computer or internet involves responding to a series of programmed instructions.

8) Simulation exercises: Simulate means to do or make something that looks real but is notreal. Simulation is the process of designing a model of a real system and conducting a series of repeated trial and error experiments with this model for the purpose of understanding the system. These exercises include interactive exercises in which trainees practice their skills onworking models or in mock situations based on real-lifesituations.

**9) Groupdecision-making:**Groupdecision-makingreferstotheprocessofmakingdecisions based on the opinions expressed by all the concerned — may be subordinates, peers, or outside consultants.

**MeaningofDevelopment:**Lotoftime,trainingisconfusedwithdevelopment;botharedifferentincertainr espectsyetcomponentsofthesamesystem.Developmentimpliesopportunities created to help employees grow. It is more of long term or futuristic in nature asopposed to training, which focus on the current job. It also is not limited to the job avenues in thecurrentorganisationbutmay focusonotherdevelopmentaspectsalso.Many

organisationschoosecertainemployeespreferentiallyforprogramstodevelopthemforfuturepositions. Th isis done on the basis of existing attitude, skills and abilities, knowledge and performance of theemployee. Most of the leadership programs tend to be of this nature with a vision of creating and nurturingleadersfortomorrow.

The major difference between training and development therefore is that while training focuses often on the current employee needs or competency gaps, development concerns itself with preparing people for future assignments and responsibilities.

# PERFORMANCEAPPRAISAL

Performanceappraisalistheprocessofmeasuringandevaluatingtheperformanceoraccomplishments."Performanceappraisalisthesystematicdescriptionofanemployee'sjobrelevantstrengths and weaknesses.—

InaPerformanceappraisal, the employee's merits such as initiative, regularity, loyalty, personality, etc., are compared with others. Then each employee is rated or ranked. That is, he is given a particular rank such as First Rank, Second Rank, etc. So if an employee has the best attendance then he is given First Rank in attendance and so on.

#### Fundamental of management for Engineers & SM504MS

# Whyshouldweappraisetheperformance?.-

- 1. Toassesstheemployee's present level of performance
- 2. Toidentify the strengths or weaknesses of individual employee
- 3. Toprovidefeedbacktotheemployeesothathe canimprovehis/herperformance
- 4. Toprovidean objectivebasisforrewarding the employees for their performance
- 5. Tomotivatethoseemployeeswhoperform
- 6. Tocheckandpunishthoseemployeeswhofailtoperform
- 7. Toidentifythe gapsinperformance, and thus, assess training and development needs

8. To provide a basis for many other decisions such as fixation of incentives or increment, regularization or confirmation of these rvices of the employee, promotion, transferor demoti on.

#### MethodsofPerformanceAppraisal

**1. Ranking method:** Ranking Method is simplest, oldest and most conventional method of meritrating. In this method, a list is prepared for ranking the workers in order of their performance sothat an excellent employee is at the top and the worst at the bottom. This technique is used inenterpriseswherethere arefew workers.

**Example**:If there are ten workers in the working group, the most efficient worker is ranked as number ten.

**2. Paired comparison method:** Here, every employee is compared with all others in a particularcadre in the department. By comparing each pair of employees, therater can decide which of the employees is more valuable/better to the organization. The maximum number of pairs is obtained by the below formula:

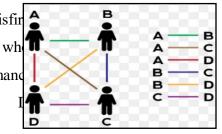
Where N = Total No. of employees to be evaluated.

#### Fundamental of management for Engineers & SM504MS

For example, if there are 4 employees, the total number of pairs will be 4(4-1)/2 = 6.

Example:Ifthereare4employeestobecompared,A'sperformanceisfir stcomparedwithBtodetermine wh

hasbetterperformance, then, Aiscompared with Cand Dandperformance e is recorded. Later, B is compared to C and I since he has been already compared with A. Afterwards, Cis



compared with D. These comparison results are tabled and rank is assigned to each employee. There are 6 comparisons (or pairs) among A, B, C, D employees.

No. of relationships/pairs = 
$$\frac{N(N-1)}{2}$$

**3. Ratingscale:** Aratingscaleisasetoffactorsdesignedtoelicitinformationabouta quantitative or a qualitative attribute. Under rating scale, certain features like analytical ability, cooperativeness, dependability, job knowledge etc are selected for evaluation. The employees aregiven grades according to the judgment of the rater. The grades may be such as A-Outstanding,B-Very good, C-Good, D-Average etc. The actual performance of every employee is rated withvariousgrades in themind of therater.

**4. Forced distribution method:** Some evaluators suffer from a constant error i.e., either theyrate all workers as good, average are poor. They don't evaluate the employees properly. Thissystem minimises rater's bias so that all employees are not equally rated. This system is based on the presumption that all employees can be divided into 5 categories i.e., Poor, Below average, Average, Good and Excellent. The main aim in this system is to spread ratings in a number of grades. It is useful only when the group of employees is large. The rater may be asked to rate all the employees as follows:

Poor10%, Belowaverage20%, Average40%, Good20%, Excellent 10%.

**5. Narrative or essay method:** In this method, the supervisor writes a detailed description about the employee's performance, output, behaviours and traits etc. according to his perception. Hemayinclude in his report the strengths, weaknesses, and potential of the employee.

6. Managementbyobjectives(MBO):Managementbyobjectives(MBO)isatoolforperformance management. The MBO technique requires the supervisor and the employee todevelop and agree on realistic, achievable and measurable objectives; to determine how thoseobjectives will be met; and to agree on how results will be measured. In a true MBO plan,strategic objectives are established for the organization and are then broken into divisional anddepartmentalobjectives,andfinallyintoindividualobjectives.Inthismethod,actualperformanceis evaluated.

# **JOB EVALUATION**

Job evaluation is an assessment of the value of various jobs on the basis of qualifications andskills required. It is the process of establishing the value/worth of jobs in a job hierarchy. The objective of job evaluation is to determine which jobs should get more pay than others. Jobevaluation begins with job that analysis and ends at point where the worth of а iob is ascertainedforachievingpayequitybetween jobs.

Theprocess of job evaluation maybedivided into the following stages:

**1. Job Analysis: What is a job?:-** A job is described as a collection of tasks assigned to apositionin an organization structure.

**What is Job Analysis?:-** Job Analysis is the process of studying and collecting informationrelating to the operations and responsibilities of a specific job. The immediate products of thisanalysisarejob description and job specification.

Job analysis is the systematic study of jobs to determine what activities and responsibilities theyinclude, their relative importance in comparison with other jobs. The personal qualificationsnecessaryforperformance of the possand the conditions under which the work is performed.

**2. JobDescription:**JobDescriptionisalistofjob'sduties,responsibilities,reportingrelationship,workin g conditions, and supervisoryresponsibilities.

# JobDescriptioncontents:

- ➢ JobTitle
- Location
- > Jobsummary
- Duties
- > Machinetoolsetc
- > Materialetc
- Supervision
- Workingcondition
- ➢ Hazards

**3. WhatisJobSpecification:** Jobspecificationisalistofjob's-humanrequirements I that is, therequisite education, skills, personality and soon.

# JobSpecificationcontents:

- ➢ Education
- ➢ Experience
- > Training
- ➢ Initiative
- Physicaleffort
- Responsibilities
- Communicationskills
- Emotionalcharacteristics
- > Attitude

# LABOURTURNOVER

What is Labour Turnover?:- It refers to the number of employees leaving the organization asagainst the total number of employees on the pay roll per year. It is measured in terms of percentage as follows:

Labour Turnover Rate =  $\frac{\text{Number of employees leaving per year}}{\text{Total number of employees on pay roll per year}} \times 100$ 

#### **INDUCTION(ORIENTATION)**

The main idea of this function is to share the information about the facts of the company with thenew employee so that they feel proud of their association with the company. At the time ofgetting inducted into the organization, the personnel manager provides orientation to the newemployees about the profile of the organization, its business, its departments, and their job. Thisprocess is also called orientation or indoctrination because the new recruits are taught a particularbelieforattitudewiththeaim thattheywould onlyacceptthat beliefor attitudeexclusively.

#### PLACEMENT

What is Placement?:- After training, the employee is placed in his/her position under the chargeofamanager.Placementisaprocessofassigningaspecificjobtoeachoftheselectedcandidates. It involves assigning a specific rank and responsibility to an individual. It implies matching the requirements of ajob with the qualifications of the candidate.

The personnel manager is to administer promotion/demotion or transfer among the workforce asper theneeds of theorganization.

# LEADERSHIP

Leadership is a process of influencing, encouraging, motivating and helping an individual or agroup towards organizational goals. Effective leadership is necessary for inspiring the people towork for the accomplishment of objectives. It provides a cohesive force which holds the groupintact and develops a spirit of cooperation. Chester Bernard viewed leadership as the quality of behavior of individuals whereby they guide people and their activities. A leader interprets theobjectives of the people working under him and guides them towards achievement of those objectives. Heals ocreates and sustains enthusias mamong them for superior performance. Leadership is agroupphenomenon which meansaninteraction between twoormorepeople.

In the words of **Louis A. Allen**, – A leader is one who guides and direct so the rpeople. He gives the efforts of his followers a direction and purpose by influencing their behavior **I**.

John C.Maxwelldefines — a leader is one who knows the way, goes the way, and shows theway.

Leadershipistheprocessofinfluencingthesubordinatessothattheycooperateenthusiasticallyintheachiev ementofgroupgoals.Inotherwords,leadershipistheprocessby whichanexecutiveimaginatively directs,guides,andinfluencestheworkofothersinchoosing andattaining specified goals by mediating between the individuals and the organization in such amannerthat both will obtain maximum satisfaction.

# CharacteristicsofLeadership

An analysis of the above definitions reveals that leadership as a managerial process has thefollowingcharacteristics:

1. Leadership is a process of influence: Leadership is a process whose important ingredient is the influenceexercisedby theleader onthe group members. A personissaid to have an influence over others when they are willing his wishes and accept his to carry out advice, guidance and direction. Successful leaders are able to influence the behavior, attitudes and beliefs of the second secon heirfollowers.

2. Leadership is related to a situation: When we talk to leadership, it is always related to aparticular situation at a given point of time and under a specific set of circumstances. That meansleadershipstyles will be different under different circumstances.

3. Leadership is the function of stimulation: Leadership is the function of motivating people tostrivewillinglytoattain organizational objectives.

# LEADERSHIPSTYLES

Leaders can be differentiated into good or bad based on the styles they adopt or how they chooseto influence their followers. A leader is not only to plan, organize, lead and control but alsoconsider human element in the followers. A good leader has to adopt such a style of working thattakes care of people around him. There are alsosome leaders who do not care for people andwho care more for the task completion. Based on use of authority the leadership styles can beclassified follows:

- 1. Autocratic or Authoritarian Leadership Style: Under the autocratic leadership style, alldecision-making powers are centralized in the leader, as with dictator leaders. They do notentertain any suggestions or initiatives from subordinates and almost top-down approach isseen.
  - > Leadersaremoredogmaticandpositive.
  - > Theydon'tallowanyparticipation.
  - > Theyareauthoritarianintheirapproach.
  - > Theyareconcernedwiththetaskand tellfollowers whatto doand howtodoit.
  - > High degreeof dependencyon theleader.
  - > There is oneway communication.
  - Maybevaluableinsometypesofbusinesswheredecisionsneedtobemadequicklyanddecisivel y.

Advantages	Disadvantages
1.It provides strongmotivationand rewardtomanager.	1.Peopleintheorganizationdislikeitespecially
	whenitisstrictandthe
	motivationalstyleisnegative.
2.Itpermitsveryquickdecisions.	2. Employeeslackmotivationfrustration,
	lowmoraleandconflictdevelopsintheorgani
	zation.
3.Lesscompetentsubordinatesalsohavescope	3. There is more dependence and less individualit
to workin theorganization.	yin theorganization.

- 2. Democratic or Participative Leadership Style: It is also called as democratic, consultativeor idiographic leadership style. In this style the manager decentralizes his decision-makingprocess. Instead of taking unilateral decision he emphasizes consultation and participation of his subordinates. He can win the cooperation of his group and can motivate them effectivelyandpositively.
  - > Leadersconsultsubordinatesandinvolvethemindecisionmaking.
  - > Theyencouragediscussionwithgroup.
  - > Theybelieveintwo-waycommunication.
  - Theylisten to followers
  - > Followersareinvolved intheprocess of planning and execution of the work.

Advantages	Disadvantages
1.Employeesarehighlymotivated.	1. Complex nature of organization requires asthroughunderstandingofitsproblemswhic hlower-levelemployeesmaynotbe ableto do.
2. The productivity of employees is very high.	2.Somepeopleintheorganizationwantminimu minteraction with their
3. Subordinatessharetheresponsibilitywit h thesuperiorand tryto	3.Someleadersmayusethisstyleasawayof avoidingresponsibility.

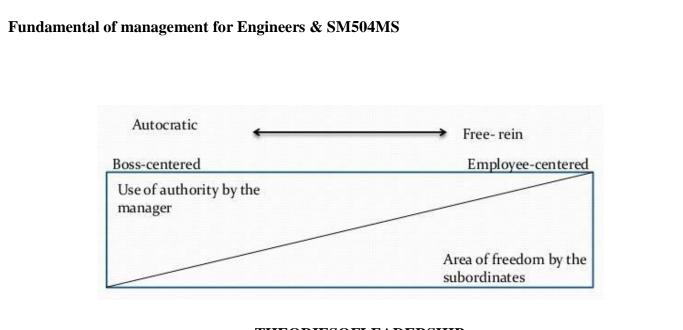
3. Free-rein Leadership: A free-rein leader does not lead, but leaves the group entirely to itselfas shown in the following figure. In this style, manager once determines policy, programmes, and limitations for action and the entire processis left to subordinates group members perform everything and the manager usually maintains contacts with outside persons to bring the information and materials which the group needs.

Thefollowingfigureshowsthespectrumofawidevarietyofleadershipstylesmovingfroma very authoritarian style at one end to a very democratic style at the other end, as suggestedbyTannenbaum andwarren H.schmidt.

- Alsocalled Laissez-Fairleadershipstyle.
- Theseleadersexerciselittleauthorityandgivemaximumfreedomtosubordinateswhilemaking decisions.
- ➢ Itisbottom-upapproach.
- > Theygivehighfreedomofindependenceto thesubordinates in their operations.
- > Suggestionsfrom thefollowersareencouragedandrewarded.

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> Here, the role of the leader is to aid the operations of the followers.



#### THEORIESOFLEADERSHIP

#### TraitLeadership

According tothistheory, people are ither bornor are made with certain qualities that make them excel Traits such vision, confidence. resilience. in leadership roles. as agility. hard work, physical and mental endurance, empathy, creativity, intelligence, accountability, sense of responsibil ity, values, flexibility and adjustment, extraversion, conscientiousness, openness to experience, selfefficacy (confidence excel) determine who is leader. Since to etc, а personality traitmeasurement was not reliable across studies, there was always search for better and measurement was not reliable across studies. There was always search for better and measurement was not reliable across studies. There was always search for better and measurement was not reliable across studies. There was always search for better and measurement was not reliable across studies. There was always search for better and measurement was not reliable across studies. There was always search for better and measurement was not reliable across studies. There was always search for better and measurement was not reliable across studies. There was always search for better and measurement was not reliable across studies. There was always search for better and measurement was not reliable across studies. There was always search for better and measurement was not reliable across studies. There was always search for better and measurement was not reliable across studies. There was always search for better and measurement was not reliable across studies. There was always search for better and measurement was not reliable across studies. There was always search for better and measurement was not reliable across studies. There was always search for better and measurement was not reliable across studies. There was always search for better and measurement was not reliable across studies. There was always search for better and measurement was not reliable across studies. There was always search for better and measurement was not reliable across studies. There was always search for better and measurement was not reliable across studies. There was always search for better and measurement was not reliable across studies. There was always search for better and measurement was not reliable across studies. There was always search for better and measurement was not reliable across studies. There was always search for better across studies. There was always search for better across studies. There was always studies. Thereableapproachtoleadership. This gave rise to be havioral theory of leadership.

#### BeviouralLeadership

The study of the actions, or behaviors, that define a leader is known as behavioral leadership.FirstdevelopedbyRobertBlakeandJaneMoutonin1964,thistheoreticalapproachtounderstan ding leaders creates categories of styles, which are aligned with the actions the leadermaytake, or themethodstheyuse toreach theirgoals.

In this approach, the emphasis is on the actual behaviour and action of the leaders and not on their traits or characteristics. In other words, this approach emphasises that strong leadership is the result of effective role behaviour.

This approach states that the leader uses three skills to lead his followers. These skills are:technical(referstoaperson'sknowledgeoftheprocessoftechnique),human(referstoabilityto

#### Fundamental of management for Engineers & SM504MS

interact with people and conceptual (refers to manager's ideas which enable a manager to set upmodelsand design plans).

This approach assumes that a particular behaviour of a manager will make him a good leaderwhile its opposite would discard him as a leader. Determining goals, motivating employees forachieving the goals, effective communication ability to interact effectively, building team spirit,etc.arethe functional behaviour of asuccessful leader.

This theory emphasises the point that the favourablebehaviour of a leader provides greatersatisfaction to the followers and they recognise him as their leader. However, one limitations of this approach is that a particular behaviour and action of a leader may be relevant and effective at particular point of time while at another, it may be irrelevant and ineffective. Thus, in this approach, the 'time' factor which is avital element has not been considered.

Severalattemptshavebeenmadetoidentify thedimensionsofleaderbehavior. Themostsystematic and comprehensive studies in this direction were conducted in USA at Ohio StateUniversity and University of Michigan during 1945-47.

**OhioStateStudies:**In1945theBureauofBusinessResearchatOhioStateUniversityinitiateda series of studies on leadership. The main objective of the studies was to identify the majordimensions of leadership and to investigate the effect of leader's behavior on employee behaviorandsatisfaction.

**Michigan Studies:** These empirical studies were conducted slightly after WORLD WAR II bythe institute of Social Research at the university of Michigan. The purpose of these studies wasto identify styles of leadership behavior that results in higher performance and satisfaction of agroup.

# SituationalLeadership

According to this theory, leadership is affected by a situation from which a leader emerges and inwhich he works. In other words, the situation — the group, the problem and its environment — willaffectthetypeofleadership.Animportantaspectofthistheoryistheinteractionbetween

the group and its leader and the people tend to follow the person who is capable of fulfilling their desires.

Theleaderrecognizeshisfollowers'desires and follows such methods (depending on the situation) which satisfy them. The main trust of the situational theory is that the leadership stylemay be effective under one situation and ineffective under the other. In other words, situational theory emphasizes that there is no one best style of leadership universally applicable to all situations and that the leader has to change his style of leadership from situation to situation. If the leader adopts the same style under all situations, he may not be successful. For example, Winston Churchill was the most effective and successful Prime Minister of Britain during the period of the Second World War, but hewas a flop afterwards when the situation changed.

Though this theory states leadership ability of an individual in a given situation and measures hisleadershippotentialities, it is silenton the point whether this individual will fit in an other situation.

# LEADERSHIPSKILLS

**1. Communication:** As a leader, you need to be able to clearly and succinctly explain to youremployees everything from organizational goals to specific tasks. Leaders must master all formsof communication, including one-on-one, departmental, and full-staff conversations, as well ascommunicationvia thephone, email, and social media.

2. Motivation: Leaders need to inspire their workers to go the extra mile for their organization; just paying a fair salary to employees is typically not enough inspiration (although it is importanttoo). There are a number of ways to motivate your workers: you may build employee self-esteemthrough recognition and rewards, or by giving employees new responsibilities to increase their investment in the company.

**3. Delegating:** Leaders who try to take on too many tasks by themselves will struggle to getanythingdone. Theseleadersoftenfearthat delegating tasks is a sign of weakness, when infact it is a sign of a strong leader. Therefore, you need to identify the skills of each of your employees, and assign duties to each employee based on his or her skill set. By delegating tasks to staff members, hecan focus on other important tasks.

**4. Positivity:** A positive attitude can go a long way in an office. You should be able to laugh atyourself when something doesn't go quite as planned; this helps create a happy and healthy workenvironment, even during busy, stressful periods. Simple acts like asking employees about theirvacation plans will develop a positive atmosphere in the office, and raise morale among staffmembers. If employees feel that they work in a positive environment, they will be more likely towantto beat work, and will thereforebemore willingto put n the longhours when needed.

**5. Trustworthiness:** Employees need to be able to feel comfortable coming to their manager orleader with questions and concerns. It is important for you to demonstrate your integrity — employees will only trust leaders they respect. By being open and honest, you will encourage thesamesort of honestyinyour employees.

**6.** Creativity: As a leader, you have to make a number of decisions that do not have a clearanswer; you thereforeneed to be able tothink outside of the box.

Learning to try nontraditional solutions, or approaching problems in nontraditional ways, willhelp you to solve an otherwise unsolvable problem. Most employees will also be impressed and inspired by a leader who doesn't always choose the safe, conventional path.

**7. Feedback:** Leaders should constantly look for opportunities to deliver useful information toteammembersabouttheirperformance.However,thereisafinelinebetweenofferingemployees advice and assistance, and micromanaging. By teaching employees how to improve their work and make their own decisions, you will feel more confident delegating tasks to yourstaff.

**8. Responsibility:** A leader is responsible for both the successes and failures of his or her team. Therefore, you need to be willing to accept blame when something does not go correctly. If youremployees see their leader pointing fingers and blaming others, they will lose respect for you. Acceptmistakes and failures, and then devise clear solutions for improvement.

**9. Commitment:** It is important for leaders to follow through with what they agree to do. Youshould be willing to put in the extra hours to complete an assignment; employees will see this commitment and followy our example. Similarly, when you promise your staffare ward, such as

an office party, you should always follow through. A leader cannot expect employees to committotheir job and theirtasks if heor shecannot do thesame.

**10.** Flexibility: Mishaps and last-minute changes always occur at work. Leaders need to beflexible, accepting whatever changes come their way. Employees will appreciate your ability toaccept changes in strideand creativelyproblem-solve.

# LEADERASAMENTORANDCOACH

**Mentoring** is most often defined as a professional relationship in which an experienced person(the mentor) assists another (the mentee) in developing specific skills and knowledge that willenhancethe less-experienced person'sprofessional and personal growth.

**Coaching** is a form of development in which a person called a coach supports a learner inachieving a specific personalor professionalgoalby providing training andguidance. The learner is sometimes called acoachee.

In today's fast-changing world a command and control leadership style willnot sustain theadaptable, fast-developing and creative workforce needed for success. Instead, the leader whomentors and coaches, both on-the-job and formally, empowers, develops and supports others tosucceed. Everyone deserves a great leader. And great leaders are great mentors and coaches.Without great leader (mentor & coaches), employee performance and therefore organizationalperformance fails.It's true on any scale, from individual employees, to high-performance teams,to business units or functions, even entire organizations. All rely on mentoring and coaching tooptimize performance. Leaders have a vastly influential role to play in optimizing employees'performance. To a very large extent, leaders' mentoring and coaching skills can help employees'performance flourish or erode.

Aleader's role asamentorand acoach isas below:

- 1. Mentorhelpsprotégéthroughtutoring, coaching, guidance, emotional support.
- 2. Coachinghelpsimproveperformance.
- 3. Manypeoplecan playroleofmentor.

- 4. Mentorcan beinformal relationshipor withmentor assigned by the company.
- 5. Shadowing(following around)canbe good formentoring.
- $6. \ A Mentor will openly share personal experiences that contributed to their growth and development.$
- 7. Investthetime tolisten to theplansofthe Mentee.
- 8. Developa planto worktogether duringaset periodof time.
- 9. MentoroftenassumestheroleofAdvocatefortheMenteeasMentoringcanhelpimprovecareer development.
- 10. Coachinghelpsemployeesmakethemostoftheirpotentialandperformancecapabilitiesbydevelop ingskills competence

#### LEADERSHIPDURINGADVERSITY ANDCRISIS

An important role of the leader is to help the group deal with adversity and crisis. Adversity and crises may take such forms as a downturn in business, a sudden surge in workload that workersperceive as overwhelming, hurricanes, fire damage, a massive product recall, and workplaceviolence.

The accompanying management in action gives an example of leading during crisis created by anatural disaster. Almost all the principles and techniques of leadership would be helpful during difficult times, but here I am pinpointing ten behaviors and actions that are particularly relevant for a leader dealing with adversity and crisis.

- Make tough decisions quickly: the best accepted principle of crisis leaderships that theleaders should take decisive actions to remedy the situation. Ran Sargent became CEO ofoffice supplies retailer Staples one week before the September 11, 2001, terrorist attacks and in the midstofare cession.
- 2. Serve as a model by being resilient: Effective managerial leaders are resilient. They bounceback quickly from setbacks such as budget cuts, demotions, and terminations. Leadershipresiliency servesasa positive model for employees atall levels when the organizationconfronts difficult times. During such times, effective leaders sprinkle their speech withclichéssuchas-Toughtimesdon'tlast, buttoughpeopledolor-whentimesgettough, the

toughgetgoing. Delivered with sincerity, such messages are inspirational tomany employees and may helps tabilize morale.

- 3. **Present a plan for dealing with adversity or crisis:** a key part of managing a crisis well isto present a plan for dealing with the crisis while at the same time behaving in a calm andreassuringmanner.
- 4. Appearconfidentandtrustworthy:Groupmembersmusttrustthattheleaderorleaderscan deal with the crisis. Trust can be attained by communicating openly, honestly, and oftenabout the crisis. In dealing with a crisis, it is helpful for the leader to project confident bodylanguage,suchas appearingrelaxed whiledeliveringthe crisis plan.
- 5. Focus on the future: Part of being visionary is focusing on the future when the present isfilled with difficulty. The leader of a software company might tell the group that technologyinvestment has dipped for the present but that companies will soon recognize that they cannotcompete well in the long run if they don't upgrade their information technology soon. A boldmoveto focus on thefuture to get into thescavenger mode.
- 6. Communicatewidelyabouttheproblem: whentoughtimeshit, it paystoincrease communication about the problems facing the company or unit and discuss what might bedone to improve the situation. Communicating with workers throughout the organization provides them an opportunity to provide leadership. In one company, a technician suggested focusing more on servicing existing equipment than on attempting to sell news equipment during the recession. Communicating with customers and their customers can bring for thuseful information about how long the to use the situation. The business can be recession meet the the existing equipment to sell use the sell use to be used to be used
- 7. Change to meet changing circumstances: A bold leadership move is to change the thrust of a company's activities to adapt to changing circumstances.
- 8. Stick with constructive core values: leaders who keep their company or division focused oncore values are likely to endure difficult times. Neglecting core values to help overcomeadversity can create permanent damage. For example, A well known underwear

companydecidedtocopewithlowersalesvolumebycuttingcostsonthemanufacturingofmen's

The lower cost briefs looked fine but they tore apart at the waistband after severalwashings. Word spreadquickly about the defective briefs, and company lost accountable with several major retail chains. The core value compromised here was offering only highqualitygoods to the public.

- 9. Divide major problem into smaller chunks: Giver workers bits of the major problem towork on so they feel less overwhelmed by the adversity facing them and the company. Forexample, if the company is hurting for cash, one group of employees might search for items in the office or factory that could be sold on an auction website. Another group of workers might search for ways to reduce shipping costs by 10%. Other groups would be assigned different adversity-fighting tasks.
- 10. Lead with compassion: crises can take a heavy emotional toll on workers. Compassionateleadership encompasses two related sets of actions. The first is to create an environment inwhich affected workers can freely discuss how they feel, such as group meeting to talk about adversity, crisis, or disaster. The second is to create an environment in which the workerswho experience or witness pain can find a method to alleviate their own suffering or that ofothers.

#### TEAMLEADERSHIP

A team is a small number of people with complementary skills who are committed to a commonpurpose, performancegoals, and approach for which they are mutually accountable.

Leadership is a process whereby an individual influences a group of individuals to achieve acommongoal.

A **teamleader** issomeonewho providesguidance, instruction, direction and leadership to agroup of individuals (the team) for the purpose of achieving a key result or group of aligned results. The teamleader reports a manager (overseeing several teams). The teamleader monitors the quantitative and qualitative result that is to be achieved. The leader often works within the team, as a member, carrying out the same roles but with the additional leader responsibilities - as opposed to higher level management who often have as eparate

jobrolealtogether.Inorderforateamtofunctionsuccessfully,theteamleadermustalso motivate

the team to "use their knowledge and skills to achieve the shared goals.". When a team leadermotivates a team, group members can function in a goal oriented manner.<sup>[1]</sup>A "team leader" isalsosomeone whohas thecapability todriveperformancewithinagroupofpeople.Teamleaders utilize their expertise, their peers, influence, and/or creativeness to formulate an effectiveteam.

# SkillsforTeamLeader

- 1. Ability to lead: The leaders should be trained on understanding salient issues related toorganizational vision, how to share it with this team members, inspire them to work in thatdirection and there by achieve the same. They should be also be trained on how to motivate their workforce so as to achieve the given targets. Since employees contribute better if they are aware of their job responsibilities, instilling these insights among the employees is the primary responsibility of the team leader.
- 2. Effective communication: Leaders need to be very strong and effective at communication. Theyneed to learn how to put their points across, share the company vision to their employees, ensure that the daily targets are completed, see that office related issues are duly focused, conduct meetings as per schedule.
- 3. Createandfosternetworkingandinterpersonalrelationships: Today, the network is often viewed as real strength of a team leader. Building and maintaining good relationships with employees and other stakeholders including clients, investing time, emotion and effort tomaintain everlasting relationships is important.
- 4. Industryexpertise: Theteamleaderstrainedtobeavoiceofauthoritythateverystakeholder expects. This expertise drives all key decisions. The team leaders should be goodat evaluating thegiven alternativesand analyze the feasibility and which alternative is abetter solution.
- 5. Understanding the team needs: The team leader should be clear about the vital skills which the team members need to perform at their best. Empower them to depute for training on these skills. If necessary, the leaders should undergo training and certifications as required and also encourage everymember of the team to learn on a continuing basis.

- 6. **Trustworthiness:**Theteamleadersshouldbetrainedtodisplayintegrity,honestyandfairness. This is the only way of gaining the trust and respect from every stakeholder of theorganization. In turn, every member of the team should be very serious and display highdegreeof commitment.
- 7. Adherencetoschedules: Theteamleadersneedtoadheretotimeschedules and this isone of the parameters to judge the efficiency of the team leaders. The team leaders should know their how and where they are spending time, and to eliminate wasting time. They also need toguide their teammembers where to invest the time and resources and contribute to profitability.
- 8. Commitment: Teamleaders with high sense of commitment to business philosophy, organizational vision can inspire their team members to perform better and demonstrate highdegreeofcommitmenttocustomerservice. Empathyandpatiencearetwomilestonestoshow whether the team members and team leaders are committed or not. Successful teamleaders are often stakeholders. those who interact with their listen to customers. note the ircomplaints and suggestions and contribute to innovation and higher levels of customer satisfaction.
- 9. **Confidence and trust**: Confidence begets trust and helps team leaders present themselves and their company well. The team leaders should be trained to be decisive and confidence onthetasktheytakeupparticularlywhenthereishighdegreeofuncertainty.Ifnot,experimentation at every stage may pull down the confidence levels among the team leaders.
- 10. **Problem solving:** The team leader must know how to solve problems for their team andorganization. The team leaders should focus more of their time to solve the problems andinspire their members to involve themselves in handling issues of higher complexity andquality.

# POWER

# Power

There is no universally accepted meaning of power. Power has more diverse meanings than anyother concept in organizational behavior. In general, it refers to a capacity that one has toinfluence the behavior of another so that the other person does something which would not bedoneotherwise.Powerissocialtraitthatimpactseveryoneinanorganizationorsociety.Poweris a special kind of ability to make others to do what one wants them to do. Power enables one todosomethingwhich oneotherwisecannot do.

**MaxWeber**, the famous Sociologist, define spower as - the probability that one actor within a social relationship will be in a position to carry out his own will despite resistance.

#### **SourcesofPowers**

- 1. Legitimate Power :Legitimate power comes from position in an organizational hierarchy.Legitimatepowerempowersthemanagerstorewardorpunish.Themanagersdirectemploye es as to what tasks they should perform, whom to work with, what resources can bemade use of, etc. like managers, the employees also have a legitimate power over their bossand co-workers through legal and administrative rights. The employee may say no to hs bossifheperceives that the workgivenis outside of the official responsibilities.
- 2. **Reward Power :**Senior managers have power to dispense organizational rewards such aspay, promotion, time off, vacation, schedules, work assignments or benefits to those whoachievetargets and comply with organizational rules and regulations.
- 3. **Coercive Power :**Thiscomes from ability to punish others who fail toreach targets, whofail to comply with organizational rules and regulations. The managers at higher levels havepower to punish those who violate organizational norms. At times, this punishment may evenextend to dismissal. The poorperformers will be weeded out.
- Referent Power :Role model possesses this type of power. It is based on the charishma, virtues, values, ethics and interpersonal skills of the power holder. They can influence thepeople.
   Example: Soldiers fight in wars to defend the honour of the country; cinema stars, politicians, etc.

5. Expert Power :Because of the expertise one possesses, one can exercise expert power. Onecan suggest solutions to the given problems. This type of power comes from knowledge,skills, experience and information one possesses and accumulate over a long period of time.For example adoctor has expert power on his patients.

# HANDLINGEMPLOYEE COMPLAINTS

Whenacomplaintis made, amanagershould follow these five steps:

#### 1. Asktheemployeetodetailthecomplaint:

Listentothecomplaintcarefullyandobjectively.Getasmuchspecificdetailaspossible.Forexample,ift heemployeeiscomplaining about sexual harassment, you would need to know exactly what happened,

whowasinvolved, the date and time of the occurrence, where it occurred, under what circumstances, and if were there any witnesses. If the employee is very vague, the problemmay be different from what is initially stated. Active listening and probing will often get at the real concerns.

- 2. Get agreement on the substance of the complaint: An employee's complaints may containboth facts and opinions. Try to separate the facts (what actually occurred) from opinions (theperson's belief about what happened). For example, John may complain that he is unfairlybeingassignedadisagreeabletask;that'shisopinion.Todeterminethefacts,youwillhaveto review the work assignments to find out how many times John was given that assignmentand how many times others were. Make as clear and simple a statement of the problem aspossibleand havethe employeeagreethatyou understand hisconcern.
- 3. Ask the employee for suggested solutions: When it is clear exactly what the problem really is, ask the employee how he or she thinks the problem could be resolved. The remedy suggested may not be realistic or appropriate, but you need to be clear about what the employee wants.
- 4. Agree on a solution, or set up a schedule for further investigation: Sometimes a solutionwill be obvious. In other cases, you will need to check on the facts and on your companypolicies. You may need to check on company records, schedules, union contracts, personnelrulesandpolicies, previous decisions, and conduct further fact-finding conversations.

5. Schedule a follow-up meeting: Agree to meet after a suitable interval to check on the employee's satisfaction with the solution. Once an agreement has been made, follow throughon corrective action promptly and see that the employee carries out his or her part of the bargain, too. If you delay in taking action, you may lose all the goodwill you've built insettling the complaint orgrievance.

#### HANDLINGCUSTOMERCOMPLAINTS

Complaints happen every day. When a customer complains, it is usually for a good reason orgenuine concern. They usually have made a purchase that did not meet their expectation—aproduct, service, or maybe a combination of the two. In the customer service industry, we cannotavoid complaints. We must take care of the customer by listening to the complaint, and resolvingit, to ensureahappycustomer.

Here are few strategies that will help you hand leacus to mercomplaint in a smooth and professional manner:

- 1. Listen to the customer: The customer complaints must be properly listened in order tounderstand what makes the customer upset. The policies of the company with which thecustomer is not comfortable should be analyzed. Listening should be done to understand theproblembefore exploring how to sort out the problem.
- 2. Understand from the customer perspective: See from the customer point of view and lookintothe problem with empathy.
- 3. **Involve the senior manager:**Attimes,the complaintcould be that the frontline sales executive has not responded correctly. In such a case, the senior managers need to interfere and examine how the complaint can be sorted out.
- 4. Never fight with customer: Fighting with the customer may worsen the issue. So, discusswith the customer in a calm and friendly manner and conduct an open discussion regarding the issues complained of an d how they will be responded to. Defendyour policies calmlyandsee that neverallow the conversation erode into an argument.

- 5. **Reach a solution:** Some suggestions can be offered to solve the problem such as refund orpartial refund, discount coupons or offering an amicable solution so that the customer is fullyhappy with the outcome. Most of the complaining customers will be loyal customers andhencedeal with the problem and offer them some compensation for their trouble.
- 6. **Improve the service quality**: Ensure that the complaints become a source of learning toimprove the service quality. Draft the terms and conditions more professionally and train the employees to comply with all these provisions. Keep track of customer complaints and how these are resolved over a period of time. If the complaints are less, it is an indication that the quality of goods and services is satisfactory.
- 7. **Thankthecustomerforcomplaining**:Customerswithcomplaintsarealwaysseenastroublemakersa ndinrealitythisisnotso.Infact,organizationsshouldthanksuchcustomersfor givingyou valuableinsightintohowtobetterserveallcustomersinthefuture.
- 8. Institute complaint handling teams: Keep complaint handling teams in place, discuss the details of complaints in team meetings and make changes or adjustments in company policies customer service where needed. Institute a formal mechanism such as complaint handling teams so that employees learn from the experience and further improve the service quality.

# MOTIVATION

The word \_motivation' has been derived from the word \_motive' which means any idea, need oremotion that prompts a man into action. Whatever may be the behavior of a man, there is somestimulus behind it. Stimulus is dependent upon the motive of the person concerned. Motive canbe known by studying his needs and desires. Generally, different motives operate at differenttimesamongdifferentpeopleandinfluencetheirbehavior.Themanagementshouldtry tounderstandthe motives of individuals whichcausedifferent types ofbehavior.

Motivation is an effective instrument in the hands of a manager for inspiring the workforce and creating a confidence in doing things effectively. By motivating the workforce, management creates '*will to work*' which is necessary for the achievement of organizational goals. Motivation involves getting the members of the group to perform effectively, to give their loyalty to

the group and to carryout properly the purpose of the organization.

Thefollowingresults maybeexpected if the employees are properly motivated:

- 1) The employees will cooperate voluntarily with the management and will contribute their maximum tow ards the goals of the enterprise.
- 2) Theywillimprove heskills and knowledges othat they are able to contribute to the growth of the organisat ion. This will also result in increased productivity.
- 3) Therates of laborturnover and absentee ism among the workers will below.
- 4) Therewillbegoodhumanrelationsintheorganisationasfrictionamongtheworkersandthemanagemen twill decrease.
- 5) Thenumber of complaints and grievances will come down. Accidentrate will also below.
- 6) Contributes for the improvements in quality of products.

# Definitions

McFarland hasdefined motivation as, -Motivation refers to the way in which urges, drives, aspirations, strivingsor needs will direct, control or explain the behaviour of human beings.

Dubinhasdefinedmotivationas-thecomplexofforcesstartingandkeepingapersonatworkin an organisation. Motivation is something that moves the person to action, and continues him in the courseofaction already initiated.

# **TYPESOFMOTIVATION**

**1. Achievement Motivation:** This motivation is driven by a desire to attain certain goals. Anindividual with achievement motivation wishes to achieve objectives and advance up on theladderofsuccess.Here,accomplishmentisimportantforitsownsakeandnotfortherewardsthataccompa nyit.Itissimilarto\_Kaizen'approachofJapaneseManagement.Thismotivationismoreimportant forprofessionals.

**2. AffiliationMotivation:** It is a drive to relate to people on a social basis. Persons withaffiliation motivation perform work better when they are appreciated and complimented for theirfavorable attitudes and co-operation. This motivation is of greater use where money cannot beusedto motivate, especiallyminimum-wageemployees and contingent professionals.

**3. Competence Motivation:** It is the drive to be good at something, allowing the individual toperformhighqualitywork.Competencemotivatedpeopleseekjobmastery,takeprideindeveloping and using their problem-solving skills and strive to be creative when confronted withobstacles. They learn from their experience. Specialists, like heart surgeons would feel motivatediftheyget chances to operate upon uniquecases.

**4. Power Motivation:** Some people are motivated by power. It is the drive to influence peopleand change situations. Power motivated people create an impact on their organization and arewillingto takerisk to doso.Oxygen maynot keepthemalive, but power can.

**5. AttitudeMotivation:** Attitude motivationis how people thinkandfeel.Itistheir selfconfidence, their belief in themselves, and their attitude to life. It is how they feel about the future and how they react to the past. Good words and appreciation may motivate positive attitude people but these may not motivate negative attitude people.

#### 6. IncentiveMotivation: It is where a person or a team reaps are ward from an activity. It is

-youdothisandyougetthat, attitude. It is the type of rewards and prizes that drive peopleto work a little unorganized job workers motivated harder. Most of the get when they are offeredmoremoney.**Ex**:Afathersystohisson,-Ifyougetfirstrank,Iwillbuyabikeforyoul.A manager says to his workmen, -If you achieve your target, you would be rewarded with an incentive.

**7. Fear Motivation:** This motivation is driven by fear. Fear motivation coercions a person to actagainst will. It is instantaneous and gets the job done quickly. It is helpful in the short run.Managers following Theory x come into this category. In Indian army, this kind of motivation isverypopular.

#### RELATIONSHIPBETWEENMOTIVATIONANDPERFORMANCE

Motivated employees are the need of any organization for our changing work place. Motivatedemployees are more productive so they always help organization to survive in every field. For aeffectivemanagersitmusttounderstandwhattypeofmotivatesemployeeswithinthecontextthe perform in role. Motivating employees is most complex for example research suggested thatas employees' income increases money becomes less of a motivate also as employees get olderexcitingwork becomemoreof amotivator.

Mostoftheorganizationbelievestomotivatetheiremployeesbecauseitinfluencestheemployee'sperforma ncebyfollowingway:-

- 1. HigherProductivityLevels
- 2. LowerLabourTurnover
- 3. LowerAbsenteeism
- 4. ImproveQualitywithleeswastage
- 5. GreaterWillingnesstoacceptratherthanresist change
- 6. GreaterWillingnesstocontributeideaandtake onresponsibility
- 7. EmployeesLoyalty

It is seen that a employees performance has an impact on the organization's objective. And it is thus imperative that every employee's performances hould be managed. This process of performance management agement includes group assessments and performance management pressure to get better progress and performance of their organization by motivating their employee.

Despite the motivation, it is necessary to briefly highlight the barriers that might affect theperformanceofemployee. These barriers may be improperestimation of competencies, in appropriate performance goals, or lack of feedback about performance. There are some factors which affect overall employees 'performance.

1. InternalFactors:-

Thosefactorswhicharecontrolledandinfluencedbyanyorganizationarecalledinternal factors likejob description and selection.

2. ExternalFactors:-Inexternalfactors, an organization has little control or no control such as demand for job orgrading systems.

# RELATIONSHIPBETWEENMOTIVATIONANDENGAGEMENT

In general, motivation describes the force that compels people to act, or decide to take a specific course of action. Motivation is an internal state that instigates, describes and maintains behaviour. H owever, according to a University of Rochesters tudy published in American Psychologist, not all motivation is the same. For example, when employees are intrinsically motivated, they're passionate about their work because they either really enjoy doing it, or they enjoy the pride and satisfaction that comes from a job well done.

Ontheotherhand, when employees are extrinsically motivated (Intrinsic motivation is the motive that keeps individuals at tasks through its own inherent qualities), they're spurred to action by external forces, which can be either positive or negative in nature. These employees typically act in order to gain certain rewards (like time off or a bonus) or to avoid unpleasant circumstances (like an angryboss or being terminated).

An-engagedemployeellis one whois fullyabsorbed by and enthusiastic about their work and so takes positive action to further the organization's reputation and interests.

Employee engagement is actually the level of enthusiasm and dedication an employee feelstoward his or her job. To these engaged employees, it is far more than a pay cheque – it is theeagerness towards their task that makes them passionate in their work, and this passion is oftenreflected in their individual outcomes.

An engaged employee cares about their work and about the performance of the company, andthey want to feel that their efforts could make a difference. It is generally seen as an internal stateof mind; physically, mentally and emotionally that binds together the work effort, commitmentandsatisfaction in an employee.

#### Fundamental of management for Engineers & SM504MS

Typically, engaged employees are intrinsically motivated (Extrinsic motivation is created by external factors such as rewards and punishment, etc). They love what they do, strive to masternew skills and are enthusiastic about applying their talents. And there is a lot to be said for howanengaged workforcecan boost anycompany's bottom line.

Conversely, if your employees are extrinsically motivated, they more than likely need constantprodding in order to produce. This approach may work for a short time, but it's unsustainable in the long run. Not every task or project can be rewarded with cash or perks. In addition, ifemployees' sole source of motivation is fear-based – like fear of displeasing their manager or losing their jobs – they can burn out quickly. In that case, what's left is a group of disillusioned, disengaged employees who can impact the bottom line, too, but negatively.

#### THEORIESOFMOTIVATION

# 1. EltonMayo'sHumanRelations Theory

Thebehaviouralscientistsdidnotviewtheemployeesmechanicallyinworksituation, buttriedto show that theemployees not only have economic needs butalso social and psychologicalneedslikeneedforrecognition, achievement, social contact, freedom, and respect. Humanrel ationsschool regardsbusinessorganization as a psycho-social system.

Professor George Elton Mayo (1880-1949) and his associates conducted a famous study onhuman behaviour at the Hawthorne plant of the Western Electric Company from 1924 to 1932 and this studyformed the foundation of this school of management thoughts.

# HawthorneExperiments:

1. LightingExperiments: These experiments we reperformed to find out the effect of different levels of lighting on productivity of

labour. The brightness of the light was increased and decreased to find out the effect on the productivity of the test group. Surprisingly, the productivity increased even when the level of lighting was decreased. It was concluded that factors other than light we real so important.

2. **Relay Assembly TestRoom Study:** Under this test, two smallgroups of sixfemaletelephone relay assemblers were selected. Each group was kept in separate rooms. Fromtimetotime, changes were made in working hours, rest periods, lunchbreaks, etc. They

were allowed to choose their own rest periods and to give suggestions. Output increased inboththecontrolrooms. It was concluded that social relationship among workers, participation in decision-making, etc. had a greater effect on productivity than working conditions.

3. **Mass Interviewing Program**: 21,000 employees were interviewed over a period of threeyears to find out reasons for increased productivity. It was concluded that productivity canbeincreasedif workers areallowed to talk freely about matters that are important to them.

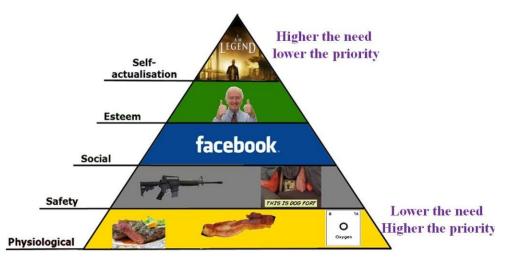
The basic hypotheses of this study as well as the basic propositions of the Human RelationApproacharethefollowing:

- 1. The social and psychological factors are responsible for workers' productivity and jobsatisfaction. Onlygood physical working conditions are not enough to increase productivity.
- 2. Theinformal relations among workers influence the workers' behaviour and performance more than the formal relations in the organisation.
- 3. Employees will perform better if they are allowed to participate in decisionmakingaffectingtheir interests.
- 4. Employees will also work more efficiently, when they believe that the management is interested in their welfare.
- 5. When employees are treated with respect and dignity, their performance will improve.
- 6. Financialincentivesalonecannotincreasetheperformance.SocialandPsychologicalneedsmus t also be satisfied in order toincreaseproductivity.
- 7. Goodcommunicationbetweenthesuperiorsandsubordinatescanimprovetherelationsand the productivity of the subordinates.
- $8. \ \ Special attention and freedom to express their views will improve the performance of the workers.$

The human relations approach is concerned with recognition of the importance of humanelement in organizations. It revealed the importance of social and psychological factors indetermining worker's productivity and satisfaction. It is instrumental in creating a newimageofmanandtheworkplace. However, this approach also didnot gowithout criticism. It was criticized that the approach laid heavy emphasis on the human side as against the organizational needs. However, the contribution of this approach lies in the fact that it advises managers attach importance to the human side of an organization.

2. NeedsHierarchyTheory

This is the most widely known theory of motivation and was proposed by American psychologistAbraham Maslow in his 1943 paper "A Theory of Human Motivation" and his subsequent book"Motivation and Personality. Maslow put forward the idea that there existed a hierarchy ofneeds consisting of five levels in the hierarchy. These needs progressed from lower order needsthrough to higher level needs. People will try to satisfy their most important needs first. When aperson succeeds in satisfying an important need, he will then try to satisfy the next importantneed. Human behavior ismotivated in order to achieve certainneeds.



 $A. \ \ \textbf{Physiological Needs:} Physiological needs are those required to sustain life, such as: Air, Wate$ 

r, Food, Sleep, Clothing, Fire, etc.

According to Maslow's theory, if these fundamental needs are not satisfied then one willsurely be motivated to satisfy them. Higher needs such as social needs and esteem are notrecognized until one satisfies the needsbasic to existence.

- B. **Safety Needs:** Once physiological needs are satisfied, one's attention turns to safety and security in order to be free from the threat of physical and emotional harm. Such needsmightbe fulfilled by:
  - Livingina safearea
  - Medicalinsurance
  - ➢ Job security
  - Personalsecurity
  - Financialreserves

According to the Maslow hierarchy, if a person feels threatened, needs further up

thepyramidwill not receive attention until thatneed has been resolved.

- C. Social Needs: These are also known as affiliation needs. Once a person has met the lowerlevel physiological and safety needs, higher level needs awaken. The first level of higherlevel needs are social needs. Social needs are those related to interaction with others and may include:
  - ➢ Friendship
  - Affection
  - ➢ Family
  - Intimacy
  - Belongingness
  - Belongingtoa group
  - Givingandreceivinglove
- D. Esteem Needs: Once a person feels a sense of "belonging", the need to feel importantarises. Esteem needs may be classified as internal or external. Internal esteem needs arethose related to self-esteem such as self respect and achievement. External esteem needsarethosesuchas socialstatus and recognition. Someesteem needs are:
  - ➢ Self-respect
  - Respectfromothers
  - Achievement
  - Attention
  - Recognition
  - ➢ Reputation
  - ➢ Independence
  - Status
  - ➢ Dominance
  - ➢ prestige
- E. Self-actualizationNeeds:Self-actualizationisthesummitofMaslow'shierarchy ofneeds. These needs indicate strong desire to achieve something. Suppose your desire is tobecome an engineer in Google Company. This desire works as motivator to achieve yourgoal.Itisthequestofreachingone'sfullpotentialasaperson.Unlikelowerlevelneeds,

this need is neverfully satisfied; as one grows psychologically there are always new opportunities to the set of the se

#### Fundamental of management for Engineers & SM504MS

continueto grow.Self-actualizedpeople tendto haveneedssuch as:

- Self-fulfillment
- Peakexperiences
- Reachingfullpotential
- Seekingpersonal growth

# 3. Two-FactorTheory

Frederick Herzberg was a psychologist interested in the correlation between employee attitudeand workplace motivation. He wanted to find out what made people feel satisfied and unsatisfiedwhen it came to the workplace. After spending countless hours interviewing employees aboutwhat made them feel both good and bad about their jobs, Herzberg developed a theory ofworkplacemotivationcalledthe two-factortheory.Thetwo-factortheoryisbasedontheassumption that there are two sets of factors that influence motivation in the workplace by eitherenhancing employee satisfaction or hindering it. He identified two factors. Such as 1) HygieneFactors2) Motivators.

- HygieneFactors(Dissatisfiers):-No,Iamnottalkingaboutthepersonalhygieneofyour coworkers, though that can certainly be questionable at times. Rather, Herzbergused the term 'hygiene' to describe factors that cause dissatisfaction in the workplace, areextrinsic(orindependentofthework itself),andarelinked to thingssuchas
  - Compensation/Salary-should bereasonable
  - Job security
  - Organizational/companypolicies-shouldbeflexible
  - Workingconditions(breaks,hours,vacation)
  - Qualityof leadership
  - Relationshipsbetweensupervisorssubordinatesandpeers(no conflict, nohumiliation)
  - Fringebenefits(medical reimbursementetc.)

According to Herzberg, these factors do not motivate employees. However, when they are missing or inadequate, hygiene factors can cause serious dissatisfaction. Just think about how unhappy you would be in a job where you were underpaid, were infear of

losingyourjob,dealtconstantlywithgossip,lackedeffectiveleadership,andweresurrounded by co-workers whom you despised. Hygiene factors are all about making anemployee feel comfortable, secure, and happy. When hygiene factors are not fulfilled, itfeels like something is missing or not quite right, kind of how you would feel if youcouldn'tshower, brushyourteeth,or washyour handsafter using the bathroom.

# 2) Motivators(Satisfiers):-

These are linked to employ eemotivation and arise from intrinsic, or dependent, conditions of the jobits elf. Factors for satisfaction include

- Responsibilityofwork
- Jobsatisfaction
- Recognition
- Achievement
- Opportunities for growth
- Advancement/Improvement
- AwardsandRewards

# **HYGIENE FACTORS**

Factors that can de-motivate the employees if they are not present but don't motivate employees to work harder even they are present.

# MOTIVATORS

Factors that directly motivate to work harder

# Lookatthisscenario.

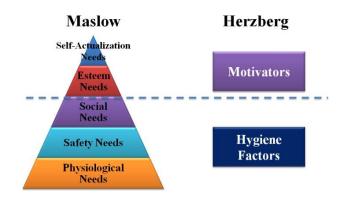
Imaginethatyouareworkinginanorganizationwhereyouareprovidedpoorworkingconditions like a computer isnot working properly, no ventilation, no AC, roof is leakingconstantly etc. when the working conditions are like this, you never seem to be able to catch upon your work because of

### Fundamental of management for Engineers & SM504MS

these conditions. You may feel dissatisfied with these conditions. Theseconditionswilldemotivateyoutowardswork.Meanwhile, you are informed that you have been

selected for an award for your best performance which you will be receiving in the annual daymeeting. However, you might be happy for a short a moment with this award which is a satisfierbut when you return to your office, these working conditions will demotivate you and you areunhappy. According to Herzberg, hygienefactors are important to employees.

A manager must be sure to provide sufficient hygiene factors while at the same time buildingsatisfiers or motivators into employee jobs. In essence, hygiene factors are necessary to be sure asubordinateisnotdissatisfied, and satisfiers are needed to motivate an employee to work towards higher level of performance.



### 4. TheoryXand TheoryY

Theory X and Theory Y were first explained by McGregor in his book, 'The Human Side ofEnterprise,'andtheyrefertotwostylesofmanagement-

authoritarian (Theory X) and participative (Theory Y).

Ifyou believe thatyour team members dislike their work andhave little motivation, then, according to McGregor, you'll likely use an authoritarian style of management. This approach isvery "hands-on" and usually involves micromanaging people's work to ensure that it gets doneproperly.McGregorcalled this TheoryX.

Ontheotherhand, if you believe that your peopletake pride in the irwork and see it as a challenge , then you'll more likely adopt a participative management style. Managers who use this approach trust their peopleto take ownership of the irwork and doit effectively by themselves. Mc

The approach that you take will have a significant impact on your ability to motivate your teammembers. So, it's important to understand how your perceptions of what motivates them canshapeyour managementstyle.

DouglasMcGregorclassifiedemployeesintotwotypes.

- 1. Xtypeofemployees
- 2. Ytypeofemployees

# TheoryX

Theory X (Labeled as Negative Theory) assumes that employees are naturally unmotivated and dislike working, and this encourages an authoritarian style of management. According to this view, management must actively intervene to get things done. This style of management assumes that workers:

- > Employees areinherentlylazy.Dislikeworking.
- > Avoidresponsibilityandneed tobe directed.
- > Havetobe controlled, coerced, forced, and threat ened to deliver what's needed.
- > Needtobesupervised ateverystep, with controlsputinplace.
- > Needtobeenticedtoproduceresults; otherwisethey have no ambition or motivation to work.
- ➢ preferto beled
- > Areself centeredanddoesnotcareaboutorganizationalgoals.

# TheoryY

Theory Y (Labeled as Positive Theory) shows a participation style of management that is decentralized. It assumes that employees are happy to work, are self-motivated and creative, and enjoyworking with greater responsibility. It assumes that workers:

- > Peoplearewillingto work; work canbeas natural as playandrest
- > Takeresponsibility and are motivated to fulfill the goals they are given.

- > Seekandacceptresponsibilityanddonot needmuchdirection.
- ➤ arecapable ofself-direction andcreativity
- > Arecommittedtothe objectivesoftheorganization
- > Considerworkasanaturalpartoflifeandsolveworkproblemsimaginatively.

## 5. Vroom'sExpectancyTheory

Victor Vroom developed the expectancy theory of motivation. This has been an alternativeapproach to the above needs theory disapproves the need-based behaviour of individuals. On theother hand, it suggests that individuals are motivated to act in a certain way because they strongly expect that particular action will lead to a desirable result. According to this theory,

### Motivation=ValencexExpectancy

Where,

**Valence** is strength of an individual's desire for a particular outcome. Valence may vary from -1to +1. Valence is negative if the individual has no strong preference to the outcome. Valence ispositive, if the individual has the strong preference to the outcome. Valence is zero, if the individual is indifferent to the outcome. The valence of the individual must be positive, ifmotivationwereto takeplace.

**Expectancy** is the probability that a particular action will lead to a desired result. Expectancyrefers to the belief that an effort will lead to completion of a task. The value of expectancy variesbetween 0 to 1. If an employee sees no chance that effort will lead to the desired performance, the expectancy is zero. On the other hand, if the employee is confident that the task will becompleted, the expectancy has avalue of 1.

# 6. Alderfer'sERGTheory

ClaytonAlderfer proposedanextensionof Maslow's theory of hierarchicalneedscalledtheERG theory. The five typesof needsgiven by Maslow are merged into threegroups of coreneeds whose first letters are abbreviated to form an acronym ERG. The three types of core needare:

- a)**ExistenceNeeds**:Existenceneedsareconcernedwithbasicmaterialexistencerequirements.Thephysic alandsafetyneedsofMaslow'stheoryaregroupedupandconsideredas existence needs. These needs are most essential that everyhuman beingrequires. Alderfer considers both the fundamental needs such as food water, shelter and thesafety needs such s safety of assets, personal safety, job security etc. Are essential needs forexistence.
- a) Relation Needs: Relation needs, the second group of need are concerned with behaviouralneeds such as the desires, relationships, friendships and affiliations etc. The social and status(ego) needs of Maslow's theory are considered as relational needs. People need to interactwith others if they are to be satisfied. According to Alderfer, these have alignment withMaslow's theory with internal component of social needs and external component esteemneeds.
- b) Growth Needs: Alderfer considers growth needs as an intrinsic desire and are directed topersonal development. To describe these needs he broke down Maslow's need into differentparts and generated lot of needs. These need include the intrinsic component from Maslow'sesteemneedsand the self-actualization needs.

According to Alderfer, as a person grows, the existence, relatedness, and growth for all desires also continue to grow. All these needs should be fulfilled to greater wholeness as a humanbeing.

# FINANCIALANDNON-FINANCIALINCENTIVES

Thepersonalmanagerhastoformulaterewardsorincentiveswhichadequately satisfy theemployees, these rewards can be of two types:

# FinancialIncentives

1) **Compensation based on performance**: When the performance exceeds the given standard, the employee is said to be better in terms of piece rate, sharing profits, or bonus. The incentives the individual employee receives from time to time reflect some performancemeasures such as individual productivity, team or group productivity or overall organization profit for given period.

- Compensation based on competency: Under this method, the pay and rewards are designedbased on the competency of the employees. Competency is judged based on one's leadershipskills,trouble-shootingstrategies etc.
- Stock options: Under this method, employees are given shares in the company in which theywork.Thepotentialgrowthinthemarketpriceoftheshareistheincentivetokeepemployeesworkin ginthecompany.Thispracticeisperceivedtodevelop,amongtheemployees,a senseof loyaltyto their organization.
- 4) **Rewards**: Rewards are individual incentives intended to reward individual performance. These includement pay, time saving bonus, and commission.
- 5) **Group bonus**: Where the employees tasks are interdependent and thus require cooperation, group incentives such as group bonus make alot of difference.

### **Non-FinancialIncentives**

- Consultation: Today, mostof the successful companies are those which invite participation from their employees on strategic issues such as working environment, introduction of changes, and so on. When management consults the employees for their opinions, the employees feel motivated.
- 2) Team work: Here the work force is organized into small groups or teams who work together. A linemanager may have one or more such groups and brief them regularly. There is a spirit of competitionamong the groups. Each group tries to outperform the other. In the process, the employees feel highlymotivated.
- 3) **Quality circles**: Quality circle is abody of employees who meetfrom timeto time under the guidance of a supervisor to discuss way and means to improve the quality of the product and services of the organization.
- 4) **Job security**: When the employee is assured of the security of his job, he feels safer and this provideshimadequate incentive to performbetter.
- 5) **Job enrichment**: Here, the employees are given grater scope in deciding how the tasks should beperformed. In other words, they are allowed to assume increased responsibility for planning and self-evaluation.
- 6) Job rotation: Doing the same job for year together may create boredomfor the employee. Toovercome this problem, the employee is given a different job, may be in the same department or in adifferentone.

7) **Flexi-time**:Flex-timeisamethodoforganizingtheworkinghoursfortheemployeesinsuchawaysoasto provide greaterflexibilityin choosingtheir ownworkinghours.

## INTRODUCTIONTO CONTROL

Control is any process that guides activity towards some predetermined goals. Thus control canbe applied in any field such as price control, distribution control, pollution control, etc. However, control as an element of management process can be defined as the process of analyzing whetheractions are being taken place as planned and taking corrective actions to make these to conform planning. Thus control process tries to find out deviations between planned performance and actual performance and taking suggest corrective actions wherever these needed.

### **Definitions:**

**Terry**definescontrolas"Controllingisdeterminingwhatisbeingaccomplished,thatisevaluatingtheperformanceand,ifnecessary,applyingcorrectedmeasuressothattheperformancetakes placeaccordingto plan."

**KoontzandO'Donnel**definecontrolas"Controlismeasurementandcorrectionoftheperformance of activities of subordinates in order to make sure those enterprise objectives and plansdevised to attain them arebeing accomplished".

### CHARACTERISTICSOFEFFECTIVE CONTROL SYSTEM

**1. Accuracy:** Effective controls generate accurate data and information. Accurate information isessential for effective managerial decisions. Inaccurate controls would divert management efforts and energies on problems that do not exist or have a low priority and would fail to alert managerstoserious problems that do require attention.

**2. Timeliness:** There are many problems that require immediate attention. If information aboutsuch problems does not reach management in a timely manner, then such information maybecome useless anddamage may occur. Accordingly controls must ensure that informationreachesthe decision makerswhen theyneed itso that ameaningful responsecanfollow.

**3. Flexibility:**Thebusinessandeconomicenvironmentishighlydynamicinnature.Technological changesoccur very fast. A rigidcontrol system wouldnot be suitable for

a changing environment. These changes highlight the need for flexibility in planning as well as in the second se

control.Strategicplanningmustallowforadjustmentsforunanticipatedthreatsandopportunities. Similarly, managers must make modifications in controlling methods, techniquesand systems as they become necessary. An effective control system is one that can be updatedquicklyas the needarises.

**4.** Acceptability: Controls should be such that all people who are affected by it are able tounderstand them fully and accept them. A control system that is difficult to understand can causeunnecessary mistakes and frustration and may be resented by workers. Accordingly, employeesmust agree thatsuch controls are necessary and appropriate and will not have any negative effects to their efforts to achieve their personal as well as organization algoals.

**5. Ease of understanding:** Guidelines, standards and information systems must be simple tocomprehend so that they are easily understood by one and all. This ease of understanding helpstheconcernedemployeestofollow guidelinesandstandardswithout difficultyandambiguity.

**6. Economic feasibility:** The cost of a control system must be balanced against its benefits. Thesystem must be economically feasible and reasonable to operate. For example, a high securitysystem to safeguard nuclear secrets may be justified but the same system to safeguard officesupplies in a store would not be economically justified. Accordingly the benefits received mustoutweighthecost of implementingacontrol system.

**7. Strategic placement:** Effective controls should be placed and emphasized at such critical and strategic control points where failures cannot be tolerated and where time and money costs offailures are greatest. The objective is to apply controls to the essential aspect of a business wherea deviation from the expected standards will do the greatest harm. These control areas includeproduction, sales, financeand customer service.

**8.** Corrective action: An effective control system not only checks for and identifies deviationbut also is programmed to suggest solutions to correct such a deviation. For example, a computerkeepingarecordofinventoriescanbeprogrammedtoestablish—if-thenguidelines.Forexample, if inventory of a particular item drops below five percent of maximum inventory athand, then

the computer will signal for replenishment for such items.

**9. Emphasis on exception:** A good system of control should work on the exception principle, sothat only important deviations are brought to the attention of management, In other words, management does not have to bother with activities that are running smoothly. This will ensure that managerial attention is directed towards error and not towards conformity. This would eliminate unnecessary and uneconomic supervision, marginally beneficial reporting and a waste of managerial time.

**10. Forward looking:** Control system should provide early information regarding the futurechangesandshouldforecast what wouldhappen inthecomingmonth oryear.

#### TYPESANDSTRATEGIESFORCONTROL

**1. Feed Forward Controls:** Feed forward controls, sometimes called preliminary or preventivecontrols, attempt to identify and prevent deviations in the standards before they occur.

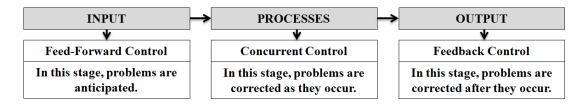
- > Feedforwardcontrolsfocusonhuman, material, and financial resources within the organization.
- These controls are evident in the selection and hiring of new employees. For example,organizationsattempttoimprovethelikelihoodthatemployeeswillperformuptostandar ds by identifying the necessary job skills and by using tests and other screeningdevices to hirepeople with thoseskills.

**2. Concurrent Controls:** Concurrent controls monitor ongoing employee activity to ensureconsistency with quality standards. These controls rely on performance standards, rules, and regulations for guiding employee tasks and behaviors. Their purpose is to ensure that workactivities produce the desired results.

- As an example, many manufacturing operations include devices that measure whether theitems being produced meet quality standards. Employees monitor the measurements; ifthey see that standards are not being met in some area, they make a correction themselvesorlet amanager know that a problem is occurring.
- 3. Feedback Controls: Feedback controls involve reviewing information to determine

whetherperformancemeets established standards.

For example, suppose that an organization establishes a goal of increasing its profit by 12percent next year. To ensure that this goal is reached, the organization must monitor itsprofitona monthly basis.After three months,ifprofithasincreasedby 3percent,managementmight assume that plans aregoingaccordingto schedule.





### controlSTEPSINCONTROLPROC

#### ESS

Control is a continuous process. It is not applied when be everything else is done. There may be some in-built controls in the exercise of managerial techniques. In spite of this, there may be adifference in standards to be achieved and actual performance. This may be due to humanlimitations. Some control methods mayhaveto beapplied to improve performance.

### Therearefourstepsincontrol process:

1. Setting of Control Standards: Every enterprise plans its activities in advance. On thebasis of plans, the objectives and goals of every department, branch, etc. are fixed. These, goalsare converted into quantity, value, man hour etc. These are to be/achieved in future. There mayalsobequalitativegoals. The achievement of various targets is made there sponsibility of specific persons. The levels of achievement are also decided in advance. Whether a particular result is to be taken as satisfactory, average or poor should be pre determined so that the persons responsible for that workshould be beable to assess the inperformance.

2. Measurement of Performance: The second step in controlling process is the measurement of performance. The actual performance is measured against the standards set. This will

enablemanagementtodeterminewhethertheworkisbeingdoneaccordingtoplansornot.Themeasurement of quantitative objectives is easy since figures of work done will be available. Thequalitativeperformancesuchashumanrelations,employeemorale,etc.canonlybemeasured

through psychological tests and surveys. If measurement is such that deviation is detected at theearliest then it will enable appropriate action well in time. If that is not possible then deviationsshouldbedetected as early as possible.

**3.** Comparing Actual and Standard Performance: The next step in control process is the comparison of actual performance with the standards set.

### Thepurposeof thiscomparison is:

- (a) Tofindoutdeviationsifany, and
- (b) Todetermine the reasons for such deviation.

While comparing actual performance with the standard, some permissible limits are also fixed. When the deviations are within the prescribed limits then there is no cause for worry. But if the deviations are more than the allowable limits then it calls for urgent action. This is also known as "management by exception." When things are going as per plans or within the allowable limits then top management is not required to take any note of it. But on the other hand if performance is not up to the level then it is brought to the notice of top management for taking corrective action. If the manager gives attention to every deviation then he will not be able to give enough time for important things.

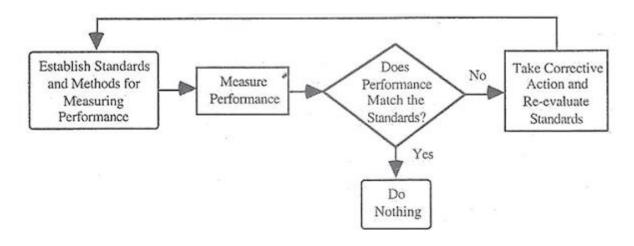
When the actual performance is not up to the level then causes for it should be pinpointed.Necessary steps are taken so that performance is not adversely affected once again. If no efforts are made to rectify the weak areas then the whole control process will be futile. Whenever the performance is low than the standards, there as ons for it should immediately befound.

**4. TakingCorrectiveAction:** Thelastbutmostimportantstep incontrolling processisoftaking corrective action. Whenever the performance is less than the standards, efforts should bemade to rectify it. Whatever the reasonsfor low performance, efforts are made to achieveorganizational goals. No control process can automatically rectify the mistakes in a system. It is the action which is

#### Fundamental of management for Engineers & SM504MS

required to set the things right, sometimes the targets are not achievable even with more efforts then these will have to be revised. The control action may involve review ofplansandgoals, change in the methods of work, change in the assignment of task, change in

existing techniquesof directionandchange inorganizationstructure. The corrective actiongenerally involves top management.



#### **Fig: Steps in control**

### processBUDGETARYANDNON-

#### BUDGETARYCONTROLS

#### Budget

A budget is a plan expressed in quantitative and money terms. Budgets need to be prepared andapproved in advance of the period in which they are to be used. Budgets can include some or allof income, expenditure, and the capital to be employed. Moreover, a budget can be drawn up foran entire organization, any segment of the organization such as a department or sales territory ordivision, or for a significant activity such as the production and sale of a specificproduct.Inmostcasesbudgetsarepreparedfortheforthcomingfinancialyearandfurtherforthecon venience these are usually divided into shorter intervals (mostly in months). This facilitates tocheck the actual results with the prepared budget, and any deviations between the two can beevaluated and corrected.

### BUDGETARYCONTROL

Budgeting is the process of preparing budgets and "**budgetary control**" is the technique ofmanagerial control through budgets. Budgetary control is the process of determining variousactualresultswithbudgetedfiguresfortheenterpriseforthefutureperiodandstandardssetthen

comparing the budgeted figures with the actual performance for calculating variances, if any.Firstof all, budgets are prepared and then actual results are recorded.

The comparison of budgeted and actual figures will enable the management to find out discrepancies and take remedial measures at a proper time. The budgetary control is a continuous process which helps in planning and co-ordination. It provides a method of control too. A budget is a means and budget ary control is the end-result.

#### **Budgetarycontrolinvolves thefollows:**

- (a) Theobjectives are set by preparing budgets.
- (b) Thebusinessis divided into various responsibility centers for preparing various budgets.
- (c) Theactualfigures are recorded.
- (d) Thebudgetedandactualfigures are compared for studying the performance of different cost centers.
- (e) If actual performance is less than the budgeted norms, are medial action is taken immediately.

## **Typesof Budgets**

There are many types of budgets.Budgets are formulated based on the purpose and what wewanttoplanand control.Here arethetypesofbudgets.

- 1) **Production Budget:** This budget explains how much volume of each type of product isproduced for the given period. This becomes the base for the production manager to plan hisoperations.
- 2) **Sales Budget:** The organization may have sales mix of different products and how much willbethesalesforeach productorservice outlined here.

- 3) AdvertisementBudget: Thisbudgetspeaksaboutthefundsallottedforprintmedia, electronicmedia, s alespromotionsthroughhoardings, directsales, etc. Themarketing managerhasto planhissales promotion activities within the frameworkset by thisbudget.
- 4) **Labour Hours Budget:** How may labour hours are required for a product to be finished?.How may hours are required from skilled labour, unskilled labour and semi-skilled labour?.This budget is a bible for the production manager and he plans his production schedulesaccordingly.
- 5) **Machine Hours Budget:** Different machines may be required to be coordinated to produce afinished product. This budget specifies the number of hours required to be utilized from eachmachine. This budget is a bible for the production manager and he plans his productionschedulesaccordingly.
- 6) **OverheadBudget:**Fixedoverheadsandvariableoverheadsareplannedfordifferentdepartmentshere.
- 7) **Space Budget:** The space is a costly issue and it is necessary to use the limited space in anoptimum way. Which department requires what space, which facility requires what area areoutlinedhere.
- 8) Materials Budget: There could be different types of materials used in the factory. Thisbudgetspecifiestherequirementsofdifferentmaterialsanditispurchasemanager"sresponsibilityt o provideforthequantities as outlined in this budget.
- 9) Cash Budget: This is a statement of receipts and payments for a given future period. It shows clearly during what period there is deficit or surplus. Accordingly, the manager canplanfor investing the surplus funds or borrowing from bank when there is a deficit.
- 10) **CapitalExpenditureBudget:** Thisshowshowmuchfundsare allocatedfor acquiringdifferent long term investment proposals such as purchase of plant and machinery, land andbuildingsetc.
- 11) **MasterBudget:**Thisisanoverallbudgetwhichsummarizesandintegratesdifferentindividualbudgets within theorganization.
- 12) Flexible Budget: For different levels of capacity of production, the flexible budget showswhat expenses change in proportion to the volume of production and what expenses

remainfixedthroughout. Thisbudget is alsocalled variable budget.

13) Zero Based Budgeting: Budgets are more or less a marginally to moderately to significantly version of the last year budgets and more often there is tendency to take forward theprevious years" assumptions and presumptions. In zero based budgeting, the current year"srequirements are seen from the freshperspective. If they are important, they will be considered or otherwise, they are dropped. In other words, the budget for each item startsfrom zero, costs are calculated afresh based on the requirements for the budget period. Itavoids the tendency of taking the previous data as base to work for the future. If there isrequirement, then only provisions are made otherwise, they are not considered. This makes the managers to plan each program package afresh. The mistakes. if any, in the previousbudgetsarenot broughtforwardhere.

## NON-BUDGETARYCONTROL

Non-

budgetarycontroldevicessupportthesuccessfulfunctioningofthebudgetarycontrolsystem. These include the following:

- Statistical data: Statistical analyses of innumerable aspects of a business operation and theclear presentation of statistical data, whether of a historical or forecast nature are, of course, important to control. Some managers can readily interpret tabular statistical data, but mostmanagersprefer presentation of the data on charts.
- Special reports and analysis: Analytical reports and industry trends and patterns need to beprepared in advance to provide a direction and guidance with the help of industry experts and special is the specific task.
- 3) **Break- even point analysis:** An interesting control device is the break even chart. This chartdepicts the relationship of sales and expenses in such a way as to show at what volumerevenuesexactlycoverexpenses.
- 4) Internal audit: Another effective tool of managerial control is the internal audit or, as it isnow coming to be called, the operational audit. Operational auditing, in its broadest sense, isthe regular and independent appraisal, by a staff of internal auditors, of the accounting, financial, and other operations of abusiness.

- 5) Network analysis: The Program (or Project) Evaluation and Review Technique, commonlyabbreviatedPERT, is a is a method to analyze the involved tasks incompleting a given project, especially the time needed to complete each task, and identifying the minimum time needed to complete the total project.
- 6) **Standardcostingandvarianceanalysis:** Standardcostingisprocessofformulatingmaterialstandard s,labourstandardsandoverheadsstandardsandverifyingwhethertheactual expenses are within the given standard are not. Where there is difference between theactual and standard expenses, it is called variance. The manager"s job is to ensure that thevariances are educed tominimum.
- 7) **Ratio analysis:** Ration analysis shows the relationship between two factors. Ratio analysis isa financial analysis tool used to examine whether the liquidity, solvency or profitability of the enterprise are within the acceptable standards or not.
- 8) Personalobservation: Managersneedtospendtimebygoingaroundthedepartment, speakingtotheem ployeessothattheycangetfirst-handinformationaboutwhatishappening around. By going around the departments, senior managers may come acrossmanyissues which cannot beput on paper but criticalin nature can besorted out on time.

#### **ESTABLISHINGCONTROLSYSTEMS**

The purpose of controlsystems is to achieve the goalsand objectives of an organization withease and at least cost. The ultimate purpose of any system is that it should be "in control" insteadof controlling people. It also aims at assisting management in the coordination of the parts of anorganization and the steering of those parts toward the achievement of its overall purposes, goalsandobjectives.

**1. Well-defined Objectives and Goals:** The objectives and goals of the organisation should becrystal clear and well-defined in the process of control. The organisational goals should be splitintosub-goalsatdepartmentallevel. The operation of the various functions and their coordination should be vested in the hands of the executives who are armed with sufficient authority or power to fulfill their responsibility. The planned goals of the enterprise or of aparticular department serve as a standard for performance measurement.

**2. Determination of Strategic Point of Control:** The responsibility centers and strategic points of control should be selected and fixed. To make the control process effective, the

managementshouldconcentrateuponstrategic points only.

**3. Establishment of Control Standards:** These standards are established criteria against whichactual performance can be compared and measured in terms of money, time, physical units orsome other index. The object of predetermined standards is that comparison between actual performance and targets performance is madepossible.

**4. Determination of Controllable Costs and Control Period:** Optimum control does not meanexcessive control. Sometimes good results are achieved only if critical points are identified.Secretofgoodcontrolistoestablishstrategicpointswherecorrectiveactionswillbethecheapesta nd most effective.

**5. StrengtheningtheOrganisation:** The complete framework of control is a immediate strengthening the organisation. Planning is a prerequisite. Control should be tailored to fit theorganisation. There should be a system of checks on the managerial activity of subordinates. Theorganisation should be strengthened first to overcome the weaknesses of deviations. Controls should incorporate sufficient flexibility in them so as to remain effective despite the failure of plan.

**6.** Measurement of Performance: The evaluation of performance is very necessary. It involves the measurement of performance in respect of work and in terms of control standards. In theopinion of Peter F. Drucker, the measurement of performance must be clear, simple, rational, relevant and reliable. The effectiveness of a control system depends upon the prompt reporting ofpast results to the persons who have power to produce changes. The next step is to compare theperformance with the planned standards. It is important to determine the limits within which the variations can be held and still to be regarded within control when performance is measured accurately. To assess whether actual performance is in accordance with the target comparisonwith the standard has to be made the variation is analysed understand and properly to the reasonforthevariation. The comparison should be done at frequent intervals so that immediate corrective act ion could be taken.

7. ControlPeriod:Thepropercontrolperiodistheshortestperiodoftimeinwhichmanagement can usefully intervene and in which significant changes in performance are likely.Theperiodisdifferentfordifferentresponsibilitycentresandfordifferentitemswithinresponsibility

centres.Spoilageratesinaproductionoperationmaybemeasuredhourlyoroften.

The key cost element of the centre may be measured daily. Reports on overall performance, particularly those going to the levels of management are often on a monthly basis and sometimes for quarterly or longer intervals, since top management does not have either the time or the inclination to explore the local temporary problems.

### CONTROLFREQUENCYANDMETHODS

It is understood that the organizational objectives are accomplished with the help of controls. But, now the question is:

Howfrequently, these controls are to be employed?.

To answer this question, the manager should understand the controlling frequency and varioustechniques based the frequency. With reference to control frequency, the control methods may beclassified into three categories as constant, periodic and sporadic control, which can be furtherdivided as shown in the following figure.

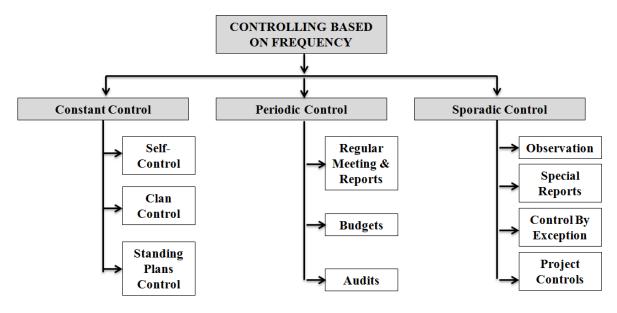


Fig: Classification of control methods based on frequency

## I. ConstantControls

Constant controls are continuous controls which are found to be three ways as follows:

1) Self-

 $\label{eq:control} control: Employees take the advantage if the management is not observing and monitoring the performance. So, there is chance that employee may not perform their$ 

jobtothe desiredlevel.But,ifaculture ofself-controlisestablished,then thecontroller"s job becomes a cakewalk. The management controlling techniques such asCCcameras,programmedinstructions,andstrictimpositionoftherulesandregulations or fines/penalties/disciplinary action, etc. may inculcate the self-control intheemployees.

- Clan control: Clan control also referred to as group control is a form of human resources control in which firms will depend largely on their norms and culture toensurespecifichehaviour. Organizations that have teams dependent clan control.
- 3) **Standing plans**: Under this control, the organizations will develop and frame, rules, procedures and policies in order to influence the employee behavior continual and predictable situations. Standards are similar to standing plans that are in constant use.

## II. PeriodicControl

Periodic controls are used on a regular schedule basis such as once in a day, week or everyfortnight or at the end of the month or a quarter or year. Periodic control includes regularmeetingsandreports, budgets and audits.

- Regular meeting and reports: These can be in the form of written or oral. Allorganizations will have regularly scheduled meetings with one or more workers in theorganization to address and discuss various issues like problems and progress. Thefrequencyof these meetings maybedaily, weekly, or monthly.
- 2) **Budgets**: At the end of the every year, it is reworked for the next year. If any changesoccur such as overspending due to an increase in final cost, then a budget may requiredamagecontrol.
- 3) Audits: There are two major types of audits: accounting auditing and managementauditing. The accounts department is supposed to maintain records of the organizat ion "s transactions and assets. Internal auditors will check the accounting records periodically. The management audit examines the organization" s planning, organizing, leading and controlling functions for improvement.

### III. SporadicControl

Sporadic control means occasional control. Occasional controls are used on intermittent basiswhereverrequired.

- Observation:Inthiscontrol,mangerspersonallyobserveandinteractwiththeemployees as they perform their jobs. Management by walking around is a provenmethodofpersonal observation to improve performance.
- 2) **Control by exception**: In this principle, the control is left to the employees. If the employees found any problems, they approach the manager for help. In order to reachtheperformance pertheschedule, corrective actions are taken.
- 3) **Special reports**: If any problems are identified, then special reports are compiled by acommitteewithinthedepartment/organization,oroutsideconsultantswhoarespecializedint hatarea.Suchreportsaredesignedtoidentifythecauseofaproblemaswell as solution.
- 4) **Project controls**: These controls are applied to unique and non-recurring projects. inthis controlling method, the manager develops a control system in order to make surethat the project is completed on time. The planning tools such as PERT and GanttChartscan beused as project control method.