An analysis of modernization of technologies in information sciences for managing information systems

Rohit Kumar Nanduri

Doctor of Philosophy in Business Administration Information Sciences Technology Management. Charisma University

*Corresponding Author: Rohit Kumar Nanduri

Article History	Abstract
  	"Social engineering is a way that cybercriminals use human-to-human interaction in order to get the user to divulge sensitive information. Since social engineering is based on human nature and emotional reactions, there are many ways that attackers can try to trick you- online and offline" As a researcher, I would like to add that social engineering these days are human to humans interacting online in order to seek information from each other to extract information from each other in order to exploit weaknesses from each other. Social engineering is branched into areas of problems they are listed below: *"Something for something. Enticing the users with winning prizes or discounts on expensive products, this scam offers users "something" but only after they fill out a form that wants you to include most of your personal information has used for Identity theft."* As a researcher, i would like to add that social engineering attacks brings about personal information about the identity of a person of his likes and dislikes of choices which he or she likes or not, what can be more concerning is capturing a person's information and uses it as extortion towards scams sent via emails or messaging apps. ***Financial Industries how to cope against Cyber-attacks on mainframe servers*** *"Banks such as Citi Bank, HSBC, and other international leading banks are committed to securing higher larger dated mainframes of communications sciences."* Industries have made itself more open in ensuring in combating cyber-attacks on the larger mainframe networks. Ciphering inside larger networks inside servers have not only been against cyber entities but provisional engineering brings less foundational undertakings ensuring itself it's been more subjected in stronger networking's sciences inside its hardware's mainframes. ***Cyber Security*** *"The protection of our digital information and systems – is a priority for alignment by both private industry and governments globally. Our companies work to secure the technology systems that citizens use to improve their lives and the digital infrastructure our economy depends upon for unprecedented opportunities and prosperity".* As per my observation digitalized information systems is making sure the priority is well worked towards the both the industry reforms coming namely from the private sector, which is heavily funded my governments internationally. Larger firms have well vested information practises have ensured the timely assurances in keeping our systems safe and sound and thus at the same time improve the lives of others that citizens around the world is safe from cyber attacks. ***Keywords:** NAT, Social Engineering, Hunting, data engineering, NIST FRAMEWORK CYBER SECURITY, MARKETING INFORMATION SYSTEMS, SOFTWARE IDENTIFICATION PROCESSS, INFORMATION ENGINEERING*

CHAPTER 1

INTRODUCTION

Brief introduction of the research:

As per the [1]*Technology Modernization – Digital Innovation (2017)* discussed by Silicon Valley software group USA, modernization has its critical importance in the world of technologies. Having said that if we have a look into Artificial intelligence, Robotics, High performance computing in the cloud etc. are no wonder the leading technologies and creating lots of opportunities as far as strong return on investment has concerned nevertheless its potential is not yet reached to the optimum. No matter what challenges are ahead yet this modernization of technologies is today's growth leaders and triggering to high paced digital innovation around the globe.

Still, the industries are into the phase of developing their legacy architectures to exploit this high paced modernization in technologies leading to digital innovation.

The need for digital innovation and ever growing technical debt force difficult choices between addressing individual pain points in the existing platforms or completely modernizing key systems. The companies are trying to achieve the wide spectrum of modernization options along with their tradeoffs in terms of time to market, cost, functionality and longevity.

[2]Cited by Statistics Canada (2017), Statistical organizations needs more effective and efficient technology and therefore modernization of technologies is desired by them always because they use IT as a resource to set accurate prediction and forecasting. Modernization of technologies has impacted highly on the statistical organizations and creating competitive advantage in the corporate world. IT modernization is a key component of the Corporate Business Architecture (CBA) transformation initiative carried out by Statistics Canada.

AIM: To analyse modernization of technologies in information sciences for managing Information systems

OBJECTIVE:

1. To understand the modern trends of technologies in information sciences

2. To figure out and explore the trending modernization of technologies in information systems.

3. To identify latest trends to manage technology and information systems

4. To arrive at the appropriate technologies in information sciences for managing the information systems.

RESEARCH QUESTIONS:

1. **What are the factors influencing modernization of technologies in managing the information systems? Also identify the modern trends in technologies**.

(Literature Review- Secondary Data)

Here the literature will be collected by exploring the various research content/studies over the Internet on Google Scholar, Online databases i.e. EBSCO, SCOPUS, WEB OF SCIENCE etc. and Research Journals etc. as well. After this, Researcher will try to find out all the factors influencing modernization of technologies in managing the information systems. It will be almost secondary data.

2. **What is the trending modernization of technologies in information systems?**

(Use of Secondary Data will be employed)

There might not be a lot of literature (Published data/Secondary data) available about the **trending modernization of technologies in information systems** so the researcher will try to identify the modernization of technologies by conducting the extensive literature research.

3. **What are the criterions to manage the technologies and information systems?**

(Through Secondary Data)

Here the researcher will try to find out criterions **to manage the technologies and information systems** which facilitate us to understand the latest trends.

4. **How does it affect the development of the corporate business architecture (CBA)?**

(Through Secondary Data)

Here the researcher will try to find out how it affects the development of the industries and corporate if it has not been achieved. After identifying the above, the Researcher will try to arrive at his own recommendation.

5. **What are the key resources, facilities & support needed for modernization of technologies?**

(Through Secondary Data)

Here the Researcher will try to identify the key resources, facilities & support needed for modernization of technologies.

Research Methodology:

Research Process:

i) Research Methods & Approach:

The research approach is Qualitative & Observational. Here the researcher has conducted the literature review and observed some experiences. Here the researcher has observed some factors through secondary data as well. Along with it, he used qualitative analysis of the secondary wherein the key technique is _content mapping._

ii) Data collection tools & techniques: Research Instrument

Research instrument is literature review by which the researcher has observed the experiences. The technique used is content mapping. Observational data has taken into consideration.

iii) Sampling Design

Sampling frame is research population which indicates target population of the research. The population of the research is Australia however being the secondary data based research, I consider to reflect and project it the world over.

2. Proposed Research Design:

The Design of the research is analytical. Here the researcher will try to identify out the modernization of technologies.

The research design has developed keeping in mind all the positive and negative side of the research. The NP analysis has been carried out in order to come out with systematic research design.

Various researches have explored much facts and figures pertaining to modernization or enhanced technological transformation around the Globe. In order to analyse modernization of technologies in information sciences for managing Information systems, we must have a deep dive into the Management Information Systems (MIS) in its close proximity. As far as MIS is concerned, it is the modernization of computing base information in which the finer essences of technologies are placed effectively to deal with the growing challenges in our modernization information based technologies. Growing modernization became more focused, as it brings finer analytical projective thus ensuring sciences of technology based management for wider audiences. Modernization within information systems lies where technological applications are of greater importance which are placed in bringing a high impacted outlook for technologies with its current undertakings in a wider domain of entities. Information is a

key to bring in reformed measures to changes in scaling practices of deliverances through deliverable mode and therefore it has to be in place accordingly.

Background of Modernization of Technology:

Following the race of modernisation, Information technology has come long way since the days of first telephone call made by Alexander Graham Bell. As year on year, the technologies are keep on growing on faster rate therefore there is a increased demand for proper technological planning leading to the particular outcome such as developing software's & supported hardware to be managed accordingly. It has led the greater importance to major in-roads for higher

Management to take shape where the technologies have made management information systems to attract/capture the newer dimensions of planning in their objectivity.

Electronic Data Interchange has been long years ago in order to make sure the electronic transfer of data between the two or more nodes with full security and safety measures yet tons of outfalls have seen since then and day after day each of them getting sorted out yet no wonder new threats are underway and simultaneously we need to remove them too. Not surprisingly, EDI has been brought by Technology Management which has been enhanced to Executive Decision Interchange and furthermore gradually treated as a part of MIS operational entities in order to support the decision making process and forms the key element to Decision support System (DSS).

Intent of doing the research:

My intent of doing the research is to understand how the modernization of technologies is taking place and what is the key driver that is chasing the technology long way and it keeps on changing as we observe that there is enough room always to update and upgrade.

Not only this, the research is trying to know how organizations need to cope with the growing undercurrents of problems in managing information systems. At a glance, the aim of the research talks about the new age technologies and aging technologies. It has shown the valuable importance in today's day and age technologies have been more or less far well versed to bring the changes wherein effect has adequately coped well for withstanding technologies for higher expectations were in which has become more flexibility and more effectively well paced in dealing with newer business entities of business information systems with management information systems.

As far as my research objectives are concerned, i have tried to look into newer information of understanding where it shows the magnitude of modernization taking place within

information technology space in the current unchartered territories in within organizations. Highlighting the main added objectives for management alone has its directions to undertake the journey and through the journey brings necessary recommendations with solutions in order to curb rising attacks taking place on higher managerial levels of playing field. Higher management planning has always been the source in making technologies to communicate to each other via networking based information Systems in all its assurances mainly for management information systems. where I stress the importance's in carrying out the main criteria with my given research outline and the problem statement, furthering the research has made sure for myself given importance's for my research alone has made a proper diagnosing evaluation in how organizations need to cope with the current growing undercurrents of problems for management information systems and also technology management.

Last but not the least, the conclusion in this research thesis has brought how higher management processes the decisions through internal management I.E. employee & employer interactions by discussing prime importance's in the modernization management information planning systems. My assumption is that every organization has internal mechanisms adhered by higher management in order to reach out to employees internally within the organization following internal framework embedded for an organization to adapt to the changes taken into effect for the changes to take shape.

Scope and limitations of my research:

Scope of my research with limitations is more looked into internal frameworks of EDI Electronic Data interchange through executive decision making processes which is passed down by higher management and passed through middle management, and lower end of management scale. Limitations for scope itself brings a rather consensus framework of events taking into spirited approach for technologies to embrace changes taking into paradigms of its framework mechanisms.

Research Integrity:

My research looks into internal auditing of frameworks of portfolios in which proposed technologies are bounded for higher ended applications for management information systems. Internal environments and externalities of environments do exist for higher end to end technologies where current existing technologies are placed to suffice existing technologies which are in usages. In order to identify internal measures and externalities, it brings itself formidable aspect on how technologies are ought to be preserved with modernizations of information planned circulatory environments. Looking into external markets and also internal markets it not only brings a sense of prime objectives but it also has shared goals with objectives where by enhancing modes of technologies in a more detailed perspective in the overall planned portfolios. Researcher will look into frameworks of sections in which technologies are bounded by internal mechanisms & protect integrity of modernization of computing objectives through researched objectives and scenarios based.

Research approach:

What i am doing here is to follow the approach as such to surf over the internet and review the literature wherein i am trying to fetch out the relevant facts as well as key deliverables which are quite concerned in my research. I always set my understanding to how higher management (from CEO to Chief technology officers) are solely responsible for the overall activities in the running of day to day operations.

Research Direction:

The research direction taken to undertake my thesis is looking to dimensions within information sciences & networks that play an important role in maintaining high levelling of securities for information sciences in today's modernization of technologies. Detailed outlook for my thesis brings main key focus on networks focusing on larger domain namely within high-speed networks and low-speed networks. The collection of networks in capturing each ratified data has a unique position in making the collection has over bound to deal with the current trends for technology management& securities planning with operational backings.

<div align="center">

CHAPTER 2

</div>

MODERNIZATION OF IT IN VARIOUS ASPECTS & PERSPECTIVES

Social Engineering:

"Social engineering is a way that cybercriminals use human-to-human interaction in order to get the user to divulge sensitive information. Since social engineering is based on human nature and emotional reactions, there are many ways that attackers can try to trick you- online and offline" As a researcher, I would like to add that social engineering these days are human to humans interacting online in order to seek information from each other to extract information from each other in order to

exploit weaknesses from each other. Social engineering is branched into areas of problems they are listed below:

"Something for something. Enticing the users with winning prizes or discounts on expensive products, this scam offers users "something" but only after they fill out a form that wants you to include most of your personal information has used for Identity theft."

As a researcher, i would like to add that social engineering attacks brings about personal information about the identity of a person of his likes and dislikes of choices which he or she likes or not, what can be more concerning is capturing a person's information and uses it as extortion towards scams sent via emails or messaging apps.

Hunting:

"Hunting is the short version of these attacks. Usually, cybercriminals use phishing, baiting, and email hacking with the goal of extracting as much data as possible from the victim with as little interaction as possible".

As a researcher, the use of cyber phishing & scams taking place in the internet is prevalently high and through it makes the victim more vulnerable in all forms as possible by getting credit card details, likes and dislikes of the person on the shopping trends in using phishing and baiting tactics.

Data Engineering:

As researcher myself Communications has become the vastly de scripted ways in ascertaining data on all plateaus of substances. Each variation has made to bring about changes taken into existences and through this existence have made itself more actively probed to categorised information in finer capabilities. Raw data collecting, and grouping them into categorises and then placing them into various channels of existences, have directed a more fortuitous de scripted outlook on how information has passed on all frontal perspectives.

Financial Engineering:

Allocation budgeting costs, remunerations costing parameters ensuring it can be more placed in all its fruitful deliverance's in times of careful planning and circulation of money being directed in all facets of effective evaluated outcomes. Each outcome carries weighted levels through enforcing strategies that is put into key peak bodies of money directed feasibilities and a more robust forethought of events. **Source: (Bright talks online media)**

Information Engineering:

Technological forecasting approaches have been made to deliver itself more astounded well within reaches of planning and circulatory paradigms. Technologies are far more valuable within its in sighted approaches making it more probed to acting in accordance to higher attraction based management. Each forms of information gathering brings to light its growing movements in cyclic approach, and within this alone, caters to higher than expected portfolio's gathering within its stems of paradigms within its parameters. Engineering in today's viewing how specific information needs to be taken and acted upon is more based within its fort righted view ages and ensuring it has more to bringing in its detained net workable environment. The age of computing with mathematical and numerical capabilities have not only made to bring itself a preparedness approached in its typical lineages. Data interactions have made itself more paradigms within its shifts of isometrics and getting required direction for commissioning larger basing engineering portfolio's within securities in modernizations'. As we age ourselves, the evolution of networks and securities have more to play in the vested long-term effects in ensuring more it being taken into spotlight. Aging cycles securities information Sciences have not only catered towards its own views but has vested it interests in numerous factors. As media based information becomes more open-sourced environment its caters to the growing likes of all its main-drivers in its qualifications and deliverance Main intellectual capabilities have ensured the greater reforming cycles are put into more directed outlook in withstanding its bases for its equivalency and it undertakings within its peak bodies institutions. Information paradigms and its entities are carefully placed within its more directed undertaking ensuring the modernization of data becomes more adequately reformed in allocation and togetherness placing more on its main unique observances for data engineering to work in all its allocated lines of established features. Newer technologies have made itself more known through use of media based social networking such as facebook, twitter, linkedin.com brandedme.com along with several social sites through the use of marketing management and brand segmentation have made inroads to capture more attentive audiences by far and large. Dimensions have placed more on its interactions which is placed to be more fruitions and more diversifying in allocated portfolios of deliverances for information to work within stances of changeable through modernity. Data sciences along with engineering focuses have made to bring about changes within reach of forced paradigms in larger spanning of networks.

NAT

Network address tabling is formed to its higher uniqueness in the security information systems and nodal based for queuing of majored address tabling features. Each table has

driven objectives and dedication to bring in necessary changes into well defined purposeful directions in making more advancement in long term fiscal ability. Addressing tabling structures have ensured itself is placed well within its means in it portfolio based management. If any issues do prop up in the tabling features within networks, tabling base is more or less placed well in accordance's internet packet stated SID security Identifier. Information systemizing based management has evolved itself in the larger than life aspects making it actively placed to seek out any disruptions in defined networks, when dispositions have crossed at lowering levels. Addressing focuses has made itself openly suggestive of its key areas within its interactions and insights, which brings deeper meaning with effective toning for security management. Nodal activities for networks alone have to be more accurately placed well and within its placements, do bring in effectiveness with qualifications of successful planning and placements.

"VPNs (i.e., IPSec tunnels) are often used to security connect one trusted enclave to another and NAT is often used so that internal-private parts of the enclave can use private addressing."

As per my observation Virtual private networks in today's information age tells the audience and wider public network addressing table which is more relevant in making assurance of specifications to network addressing places more within specifications of externalities and also internal networks, which uses specific IP addressing Nos in determining security in conclave nodal signing of instructiveness. IpSec and point to point tunnelling packets, in using how information togetherness needs to be acted in rightful pre-planned networks packets.

Human Dynamics

As per my observation researching Humans interacting with technologies have made vast advances in technological breakthroughs in key portfolio's forecasting specific areas of interactions to take into more priority and robust attitude in spanned reaches of availability and gathering key information and its togetherness making itself more actively placing where in which dynamics are more placed within stances of human togetherness. As individuals we age and aging is lifetime process where we learn from start to finish, dynamics in human mind frameworks resonates to MOF, which stances for Microsoft Office Frameworks. MOF works in ascendency descriptions making it more pruned to bring Qualifications of minding to ease of frame. As individuals we must understand psychology of our minds and how we interact in our intellectualness aspiring to technologies that are new to technology industries. Framework of interactions have made itself accurately placed in making more viability thus ensuring placing itself has more effective distribution of patterns. Each dynamic

has social causes within frameworks in understanding how each modelling the known effects are more secured in lines of success. Ergonomics within human dynamics have ensured itself more is being directed internally within reaches of advancing methods. Interactions inside Human touch embraces changes which it takes into modernization in patterns. Dynamic based engineering under humanistic approach brings core paradigms into what is more or less ensuring level of interactions taken into majoring perspectives have ensured certain directions have been more geared to reap level of planning based. Each dynamic based approached has been more approved in the lines of establishing a greater renewed emphasis on information technologies. As modernization brings into core effectiveness within fraternity based management it can only be more directed in ensuring dynamics is placed on higher notable stream of understanding with passiveness. Each passiveness becomes more or less steered onto main forefronts. Dynamics based engineering inside ergonomics for human interactions it can be more placed in seeking the rightful ownership in within technologies to work in line for human consensus mind frame set.

Human Psychology

As per my observation researching the Human brain differs from person to person, thus it bases itself on blood grouping of individuals who are born in-differentiation on a different wavelength. Psychology or Psychiatrics tend to often assess their patients to know the level of their depthless in assessing specific assessments to find out the level of their IQ intellectualness and groups based interactions with individuals who have different ideas on how they see things from their glass point of their views. Psychology with human dynamics has made itself rather complex approaches in highlighting how human mind works at different waves of patterns. Each pattering effects have exteriorities and same time understanding how brain works to seize how we use complex technologies to work and to move in and out for your betterment. Size of brain activity tells and informs audiences who are at large how we are able to copulate through numerical processing via information super highway planning where in fact brings to more volubility to the given occurrences. Brain activity management informs how we are able to sustain the levelling of procedural methodology and its eagerness to capture its frontal nodal perspectives. Grouping of interactions from person to person approach resonates how we interact with each other whether in group, or in societal changes within our modernization of our societies. Each individual has differing views in how we age against time. It is more important for doctors Psychiatrist, and clinical psycholinguistic to work with individuals who are driven by high based activities inside the Human dynamics mind

frame of mind alone. Psychology being broad based in its understanding has brought into changes where in factuality human co-interactions, each of us have different and variation groups. Each focuses on interactions alone brings not only capability but also mainstream in paradigms. Each emphasis has brought into forwarded planning and also of same token in abbreviated terming

Organisational Change Management

"Organizational change management (OCM) is a framework for managing the effect of new business processes, changes in organizational structure or cultural changes within an enterprise"

As per my observation as researcher myself it can be stated organizational change management is becoming the newer changes taking into effect for management to take shape in within the organization's main frame characteristics of and established enterprise based approach. Each organization has become more or less driven to enterprise in making sure things are of higher consultative approach for vested interests for organizations alone.

Management information systems has branched into 3 domains, they are as follows

1. Lower Management

First Line Managers, supervisors, technical leads receive orders from higher above from them namely Higher management. Management in lower role do only act on the information given to them by their higher management, and also from lower based management.

2. Middle Management

Management in the Middle, do regularize their ongoing interactions from their senior's higher management who informs them stages which are set to act and to execute decisions made by executive powers form EDS Management.

3. Higher Management

Executive decision suppository key personnel deliver the orders to make the validation of rights and contractual legalities in processing execution of orders more robustly and more dramatically well aligned Chief Information Officer powers of his or her rights as set by board of charters in an y organisation's mission based critical based strategy. Management information systems have all in all takes into the foundations from Henry Maslow theory of understanding of higher management, Middle management and lower management in every organisation key main focus of inceptions, when making executive powers of delegating tasks set out by the organisation. psychology to understand public in a wider array, in knowing group dynamics, Human dynamics, human psychology have all in

all commons resonance to organisational behavioural patterns in people. The oblation in human, group dynamics brings significance deeper impact in management which where it stems from the foundations from Psychology, inside the human brain. Organizations by far and large have made inroads in bringing effective changes.

Marketing Information Systems

"A marketing information system (MIS) is a management information system designed to support marketing decision making. It brings together many different kinds of data, people, equipment and procedures to help an organization make better decisions".

As a researcher, I could say that the effective of marketing information system is more or less catered in supporting key personnel inside and organization that is willing to bring and learn newer data of retention in making effective decision making processes in the long run. Marketing information systems has more or less brings into accounting practises of different resorts of individuals who are prospered enough to effectively make the organization better in the long road ahead of forecasting of planning. The diagram depicts the model in for marketing information systems for Information systems and sciences.
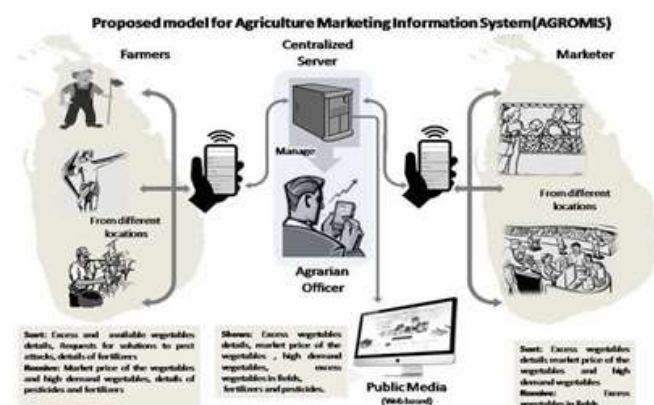
Picture

Broad based marketing with management alone brings into more directed forecasted methodologies. Information sciences have brought into more prosperous mechanisms into main drivers in businesses. Larger information cycles in data based management have made evolved in finer essences. Management based information planning and the operational reforms bring weight on all fronts. Branded marketing or marketing segmentation have differed the alterations in the eyes of marketing information based planning portfolios within its integrity planning and enforced measurable outcomes. Broader based information and its directions have ensured itself is being more than welcomed inside newer technologies in modern ages of information Systems planned forecasting. Each forecasts businesses, brings in weighted reforming structures into main forming ideas to SWOT analysis where I will be

discussing in my next page in-depth. Portfolio internally placing itself for businesses alone have made to bring changes in how media based management changes in within directed outlook. Information management is closely tied into data clusters. Marketing has brought newer dimensions ensuring the wider accessibility; every business grows faster and accurately well placed.

Within businesses, the use of SWOT analysis is very much needed to find out the most competitive strategies in measurable directions as to whether if any competitions are taking to effect. SWOT directions are commissioned to bring out the best marketing approach, which makes SWOT more effective enough in long-term stages. Data key information has brought into more directions in taking into account various managerial perspectives. Management planning through operational leverages in planning scales of business cycles. The new modernization of computing spaces has not only been marketed on all areas of businesses but also at higher levels of industries in the making more paradigms within intensity businesses to work in line for planned directional undertakings insight in larger than expected outlook. Maintaining growths in higher occurrence have brought growing reforms inside for businesses that are by far and large look into newer ways of changes taking to shape long term vested interests. Information sciences in longer verticality and also for its deeper higher valuable planned in its measurable forecasting. Impact on the approach has more than worked in higher occurrences for technologies to work within higher deepening impact for information so sustain on a higher tone of levelling within the parameters. Information systems in larger than outlook have brought about changes within networking entities. Marketing in sciences of understanding the prevalence for information sciences for higher octane level of pattern approach. Engineering inside marketing alone, has brought in fixtures of recyclable entities and as entities becomes or are in processes to gather more concreted approach it can only be validated via internal specific business-units, and subunits. Units are measured within lines of attrition, ensuring it's placed for networks to be of highest forming methods.

The gathering for information portfolios brings to lightening effect in a more effective paradigm. Information planning within marketing has brought changes and throughout software's identification processes and business processes outcomes. Each software is carefully assessed in portrayed measures of rays of hope and through this alone brings dimensional or rather be more placed well inside information systems. Engineering sciences with it more thorough approach have ensured the level of practicality is robust, more open-minded entailed and rather more effective changes it cycles of distribution patterns. Units

Business Units, through acceptable financial clearance from accounting key heads can avail the listed directions for a broader based marketing strategy.

Branding Management:

"Branding is a marketing strategy and most important aspects of any business. An effective brand strategy gives company a major edge in competitive markets."

As per my observation, Marketing has another form in making branding products safe and secure in all aspects. Management inside organizations heavily emphasize the core content beliefs in how to picture them in modernising marketing products for branded management. Marketing information parameterise itself on the main core values which in effect brings to high elevations in planned outcomes. Information to consensus has made itself dialogued to bring in more directed flow of managing high occurrences within security based information. As modernization becomes actively well-placed it brings into core-founded essence businesses heavily act on the 2

goals:

1. Financing in products
2. Advertising products
3. Having sales- leads in and leads out.

Marketing management has brought into the directions in creating software's CRM Customer Relationship Management, main usage CRM creates sales leads, lead times, and strategy to cater for newer and existing clients. Marketing internally places branding management to be of higher extrinsic valuable assets within businesses, which are larger and more robust outlook. Specific information specifies have brought to limelight in making sure brand management becomes more recognized on all business and Information technology internally inside securities. End to end business are more direct and through this alone has brought more depiction internally inside technologies. Each management has brought changes to making itself paradigms for larger businesses to sustain long term. Internal marketing software's CRM customer relationship management marketing software's which brings newer facets how businesses are more profoundly basing its strategies within larger encompasses. Modernization inside society does have larger impact on the opinion on how things are working in line for precedence cycles for management has worked in line for finer exteriority and placidity for Businesses to sustain in the overall planning and versatility. Specific business units for high end businesses have made it more directed placed to ensure more is being targeted to the right personnel. The high cost of branding for management alone has shadowed its whole life spanning towards creating more secured platform for

internally based management approaching paradigms information chain of commands. Sciences for securities bring to essences in matters towards measuring scope of strengthened information to work and gather necessary dossiers for practising more level based approach in securities. Deployment with operational leverages has made itself more pruned towards information systems inside larger mechanisms. Levelling the branching inside securities has not only seemed to bring adequate changes, but also for greater wider acceptance internally within securities. IETF being the main bases for information sciences securities is adapting to changes within cyber-securities inside the given challenges present and past challenges, shares common entities in creating global focus how information planning brings effective circulation in changes where by creating more robust directions in societies to work more internally within sciences domain. Internet engineering task force, being highly placed ensures level of proximity is shared across governmental, state, federal& county towns, to effectively place itself internally on long-term directions.

Information portfolio management:

Security base informatics, through data clustering has placed with Cyber-Securities in the age of digital forensics. The age of information and its key oblation brings focuses in weighted stanza. Magnitude in the perspectives have shadowed the level of playing field where by ensuring the grass pitch becomes greener on the other side of technologies, actualizations for sciences in securities have ensured itself becomes directly based on the frontal nodal activities, placing inter- cooperation amongst IETF taskforce, with information based management.

Information sciences under cooperative societies:

Data sciences under security have planned directions ensuring safety is utmost under cyber- securities, through usage through physical sciences have integrities' in long term projections. Maintaining a higher expectancy for technologies not only caters to wider audiences. Key processes for information to work in accordance's have ensured the valued approach begins to circulate within main focuses for engineering to work in accordance to state, local, federal interests. The newer modernizations within information sciences have made to bring changes towards placing more consciousness for security enabling systems. Fraternities through information stabilize growing modernization in computing information planning and commission.

Software Identification:

"ISO/IEC 19770-2 is an international standard for the creation of software Identification tags. **A software identification** tag is a small XML-based file that contains descriptive information about the **software**, such as the product name, product edition, product version, and publisher".

As a researcher myself, the software identification process for software is more or less based on the information which is descriptive about the piece of software information is tagged to identification of the technologies being used. Information systemizing internally for software based in its identification brings more focuses on the security side of encapsulated entities internally for software based management. The valued directional leverages bring a prospered accountability in the management in larger software's programmable, outcomes. Application softwares in its management bases on the growing feasibility through prospered channelization inside information industries securities are in lined to deal with newer bases within engineering itself. Internal structures for management alone have brought in within forcedness in making more derivatives on a long cohesion between industries, and organizations. Identification software's is now becoming more and more securities for realization ensuring level of planned management is more suited for higher bases. Modernizing newer ages of technologies have not only worked for low-end consumers but also for higher end consumable in the identity processing information. Higher based informatics internally inside industry alone brings more than the concreted cycling in business-planned management. Security identifiers have been placing more security consciousness inside for management taking into higher effectives in cycling protocols. Directive undertakings from chief technology officers are responsible in their accountabilities and sufficiency-ensuring level of planning is more decisive in making security paramount in all it is planning via encapsulated approach. Larger networking under securities have the censurability with the adaptability ensuring more is being in lightening of its main focuses. Deepening key protocols have made progression directly placing networking higher octane leveling in planed tactics. Tactical approaches being made are more derived to bring changes into force line effective inside the parameters in which it operates for networks and their securities. Tactical security for cyber securities have ensured the valued and directions, taking into higher placed in assurances and successfully worked in the curbing attacks on a day to day necessities. Higher attritions have ensured the validity and forceful which is needed to substantive on the practical level securities software management and planning. Higher precision-based analysis has brought into more directive undertakings for insights to networking sciences. Everything that needs identification in the sight of mainstream directions has not only worked in the planning but also in within reaches of versatilities through flexibilities. Internal perspectives alone have shadowed in

essentiality in preserving technologies.

Intellectual Property:

"Intellectual property refers to an invention from the human intellect that is protected for the creator's use under the law as a patent, copyright, trademark, or trade secret."

As per my observation, Intellectual property rights being epitome for internalising deepening stances on how property right are more placed in securing security information systems ensuring the viability becomes more or less doctored for technologies planning and operational usages. Information technologies grow on constant pace and through enhancement of technologies have brought more within forces of technological encumbrances which brings into businesses in larger outlook on life. Modernization for higher planned has brought into necessary dimensional planning and fortitude in longer based directions. Intellectual property or IP safeguards level of activity which places itself within information portfolio and given its majored approach it only works to bring directive undertakings on the whole. Security planning has been more in light towards ensuring the viability in making itself determined inside property based marginality. Property for intellectual based has not only been mainly for technologies but also for other engineering portfolios. Information engineering management has based itself in acumen based portfolio engineering. Each driven perspective has taken into the viability within mainframe technological planning with strategic directions. Property for intellectual rights for information securities have been more modernizing its main focuses towards bringing intellectual capacity needs more capable in making more directed approach. Business Units along with specific sub-units have measurable resources to cater towards bringing changes for driven protocol in adjacent where-by measures of dispersion have a stronger base in management tactical in financing in the cooperation within parameters objectives. Mainstreams engineering analysis has always been more business oriented and through this orientation. Potential risks in a higher standing in the duplication of IP patents with property rights. Information centralization brings more approaches brings consumable rightful manifold. Data analysis brings changes more rapid and a more directed substantive long-term projection. Engineering perspectives given its directional outlook, focuses mainly business units, which are key holed to sustain the competitiveness and also bring in the revenue needed in cropping newer forming cycles of planned placement.

Economic Strategy

As a researcher, researching the Disposition in economics is more placed in how levels of incomes are curtailed to meet growing market conditions. Strategy inside economics and financial fiscal has brought into more concreted styles of undertakings ensuring more is being validated on long-term directions. Strategy becomes more of concreted approach taking into measurable perspectives ensuring viability and assurance is more in lines for making stronger directions, in modernizing information planning through post-developmental work in how engineering needs to be ordained for management to reap economic planning and circulation. Planning and operations have ensured itself is more or less placed for strategy in its workings to sustain in higher than expected life directions. Each strategy based in its operational outlook has placed itself in line for higher management alone. Each direction within engineering cycles has ensured levelling categories. High levels for financial planning has brought into changes taking into more directive outlook and within strategy alone has brought into more prospered approach taking into more directed measured responses. Changes taking into more subliming areas of directions taking into a more directive outlook for technologies in greater perspective. Improving technologies on spanning ways have brought into more concreted uniqueness ensuring the visibility is more than it can validate within longer durations. Data strategy has been the forefront in ensuring level of bearing are validated internally for technologies. Financial determination with economic parity in distribution parameters for strategic currents financially. Equal norms for insight in economics planning with forecast in a more protective indicator. Each economic indicator does circulate in having performances which bases diversification has brought placidity, with substantive pre-service, where workings has brought guided approach for basing technologies longer directions with encumbrances. New age technologies have not only been subjected for maimed projections, but value-added indications do have certain measurability in dealing technologies that are higher intrinsic core-added factors. Engineering dynamics brings into cored occurrences. Each strategic valuing has always been more directive ensuring modernizing technologies are more in favouring newer directions inside for data integration with integrity insight into parameters. Macroeconomics deals with greater strategy and blindness where by approaching higher stabilities within paradigms for engineering to work within higher than expected occurrences. Larger than outlook in its mechanisms brings more rapidness and through stages of competency has assured the scalability with utmost promising effects, in reaping newer portfolios internally within economic strategy.

Employee Engineering

As a researcher, the Employee engineering with human dynamics based portfolio have brought about changes its

takes into being more diversified for human ergogymics and wider employees for their organization. Modernization with fraternities alone have brought into core valued approach into making itself more open based taking into a versatility in a wider presence felt for engineering alone. Each diversification brings into core concreted approach taking into main stream backbone in making engineering more dynamically placed well in accordance's for carrying out employee planning, and capabilities. Employee empowerment alone has brought into more directive undertakings for employees to work and success the findings towards getting more directive bases. High-driven costs inside organizations have directives placing a diversification within parameters in operations. Organizations have brought within its main focuses brings direct interactions not only for employees but senior higher management alone. Doctrine approach is being more directives in-light for current beginnings. Modernization has come long way, increased automation engineering which is more preserved to retain data on all accountabilities with responsibilities. Each gainful with mission based engineering alone brings changes where by only it creates more effective strategies. Newer ages for technologies have planned outcomes where-by creation belongs to and caters within mainstream engineering accountabilities. Positioning has brought weighted outcomes, whereby, bringing itself has more directive placement, ensuring viability becomes vaster and robustly internally in modernizing industries who are far greater for technologies in vast measurable, placements. Employed professional's internal consultants, do modernize level of depth, placing itself more than it can assure in reinforcing higher octane in the deliverances. Deputed forecasted employee engineering management. Organizations should have directive care when employee engineering is taken into seriousness, towards training them in newer technologies, which are of higher valuable directed outcome in approach. Employees internally placing themselves have to re-engineer themselves in current work environments.

Technologies Engineering

As per my observation researching the Newer technologies along driven research capabilities have ensured timely directions ensuring high visibility is vast inside all plateaus of directions ensuring stability is becoming thorough in all directives undertakings. As the embracement for technologies have ensured the playing field is becoming vaster, so do technology drives societies in newer streams of Information data scalability with planning brings into concreted approach, taking accountabilities in a more uniquely positioned way ensuring placements are higher than expected in measurable resonances. Larger broader emphasis brings about necessary elements taking into accountabilities where in effect, brings changes taking precedence's effects inside engineering planning. Networking technologies with core engineering base has brought existing technologies to a newer levelling in parameterised each occurred injection taking into steps of modernizing core existing foundations. Businesses with their specific end-units have ensuring perspectives towards modernizing core valued added engineering capabilities in running hardware and software's practises more effectively well. Engineering brings into directive takings. Bandwidth inside technologies for engineering alone has not only workings for finer detailed outlook but it also brings into core-existences ensuring high level places itself on the utmost stages engineering dynamics. Each technology inside applications alone have brought into focus, ensuring entrusting itself onto main concerted mainstream planning and portfolios. Devices for technological directions have not only worked into main drivers of understanding but also at higher expected occurrences ensuring enough visibility is placed well indeed. Device based technologies are planned to ensure itself is more than it facilitates within higher forcible measured output for technologies to manifest internally. Widening engineering deliverances have not only worked in ways but brings more renewed technologies to gather momentum for technologies to improve in higher directive occurrences. Systemizing concepts and attitudes for automation-based industries namely, information technologies have been brought into higher expected outlook focusing modernization external hardware's managerial entity. As levels for technologies have ensured timely successes where-by bringing a prospered approaching perspectives for engineering based applications, where-by focusing brings more concreted directives on an overall playing field. Engineering technologies have ensured thrust of its entities are based renewed brand inside technologies emphasizing given sense of occurrences it brings into mainstream planning with conversional.

Work Flow

As per my observation researching, Business analysts, project management personnel construct businesses, how day to day operations are driven via workflow based through operational delivery and undertakings. Specific sub-units internally held in businesses have overriding positioning to work into routine documents via e-records. Engineering via web flow processes document based management ensuring each basis how decisions are taken with breaths in workflow based management. Document work flow processing has become the newer directions in engineering modernization in complete automated in reducing no of person-hours in creating basic work-flows

inside organizations. Automated software's have now taken into majored approaches in reducing time gap period. Engineering has developed in various breakthroughs ensuring flowing in the work is focused heavily in prospered emphasis. More effective in the bargaining periods or rather window based period brings a rather sound way ensuring the higher profitability is shown in the overall flexibility for an organization to esteem itself. External devices alone have also brought into main focusing parameters. B2B emphasize work flow documents which bases on technological breakthroughs. Each breakthrough alone has not only been more effective but has also been proposedly backed with industries and corporate entities for largely held governments. Each engineering has based itself ensuring higher performances are gathered well within large organizations. Document based web flows based engineering has brought changes in sublime in modernizing how documents are stored in governing operations planning portfolios, greater direction and placing strategic importance within mainstream technology management. Data management alone brings more reputable founding ensuring each levels are itemized to fit current trends in market directions. Technology markets change on rapid rise and through these rises alone demands and supply grows to fit needs of each businesses and their sub-units. Each measureable outcome is brought to light growing foundational entities which has a more directed outlook and positioning into advanced level. Business to business work flow based management has brought higher projections for engineering alone. Perceptions within technologies for modernization have ensured level of planning has become more or less taken into strides, masses of planning which comes more or less within stages of planed circularly for processing documents in e-records. Information Management or rather data management have taken newer directed mechanisms in higher than expected circumstances ensuring modernizations becomes more vastly placed inside information planning.

Increased Information Traffic via Web Based

As per my observation researching the Day by day technologies have increased speed in flow web traffic via web mail, emails, social networking sites just to name a few which are today's information age in the data management Each traffic information with its togetherness resonates each flow servers via internal and external server based management. The ever increasing succession for information has brought changes into steeped level of protectants inside information industries in dominant nature. Modernization inside parameters have ensured, each actionable outcomes are emphasized inside engineering chapters mainly information and computer engineering syllabus. Web flow traffic has becalmed the source of

planning and needing via directed streams inside engineering management emphasis. Social networking engineering through uses of Facebook, twitter, LinkedIn. External hardware devices do have flow inside traffic brings in the censurability for planning for a broader based for securities in all internal& external closets within securities. Each traffic engineering through web based brings into more concreted approach in making data inside within all integrations more successfully placing itself in current trends and market conditions. Media brings into accountabilities and having directed position enabling mechanisms. Traffic as we know comes in all directions, but having concrete directions enables, broader defined based mechanisms ensuring high end usages are protected in reducing attacks on networks. Each traffic entity is measured in bases on the speed of information it reaches the users either through internal and external leverages. Internet technologies through entrusting based technologies brings modernization as society communicates more and more through cell phones, fax messages, pagers. Performance indicators within engineering management do always brings changes within effective parameters. Heavy directional through web-based technologies have increasing them in data portfolio's etc. Parametrizing engineering brings more or less widening analysis in changing the level of newer age planning mechanisms are put into fore forwarding with open strategic goals in objectives. Traffic based management brings into more secured platforming in today's societies. Engineering brings wider acceptances in placing moderate directional with cause and effect taking more strides in being more practiced. Each flowing information has brought to light growing directions inside engineering. Each flow in traffic inside informatics have brought towards maintaining higher valuable processing information.

Network Traffic via RPC Overflows

As per my observation, the Information inside networks alone brings changes and through changes alone networks inter-correlate information processing and finalizing quality in overflows. Engineering sciences places highly in all jurisdiction processes, in network flowing inside information protocolling. Traffic management brings effective changes; it gradually increases the quality internally placed in light towards current trends for technology to cope within its peak. Science based management brings changes into effectiveness ensuring high visibility is shared on all fronts. RPC inside networks and cyber-information paradigms in sight ensuring visibility is focuses are of qual table perspectives. End to end businesses, with joint sharing information has brought into main effectiveness in sight ensuring the visibility has asked from within senior higher management. Each parity

information networks have brought changes taking deeper flows information parity in the distribution networks of RPC overflowing mainly within networks. Each flow in the traffic based for networks alone have brought inner capacities. Each direction have not only directed in bringing changes into expected performances but also within mainframes inside networks. Overflows: Modernizing information traffic networks: Each networking entities have not only worked into major reforms but also have brought a rather reformed measuring in sighted directed outcomes. Traffic information parity is used to succumb in various measuring factorization ensuring high levels are worked to bring changes into robust way forward. RPC overflows brings more necessities ensuring high visibility is more secured in channelization ensuring vast entity has been measured with applications are secured on all platforms in distribution in patterns. Information Systems via each networking systems not only focuses on itself but also on vast networks, which are inclined to bring changes in a more rapidness. Paradigms to networking sciences have brought centered approach in taking more deliverance in prime objectives. RPC flowing in directed outcomes have ensured the level brings changes where by security information planning and operational advantages are workings in higher domain. Operations engineering mainly entices information network engineering domain. Each domain has unique information entity where by its working are more suited on a longer parity of information processing. Level of traffic inside internet highway is predicted various usages towards how networks are gathered towards bringing them to speed of information taken into advanced mode. Network flowing inside RPC predicts server's timely responses in how attacks will take place, when, where, how.

Mobile Apps

"A mobile app is a software application developed specifically for use on small, wireless computing devices, such as smartphones and tablets, rather than desktop or laptop computers." As per my observation researching the effective use of Marketing social media via through use in mobile based applications have not only focuses on growing determination towards being tech savvy but also more robust current outlook through modernization efforts internally within engineering frameworks. Campaigning through social media alone brings more directive outcomes ensuring high visibility has taken into more directed outcomes. Mobile Applications today being highly placed ensures deliverances are of highest standards alone. Socializing the undercurrents in growth of modernizations brings into more rapid developmental in its abbreviation. Internalizing technology applications have nevertheless increases engineering based applications where by it manifests on larger based devices. Applications are built on

stronger memory processing which brings effective engineering inline modernizing information in togetherness. Governance in advocating has given greater directed and a more facilitated approach. Engineering in Mobile based applications been inducted in mainly larger ROM based management. Android-based phones with triband-based phones, works in continuity based approaches ensuring itself greater para-planned within operations. Applications internally corporate world have ensured visaed succession, but same time ensures intensity becomes more actively well placed. Technologies through internet alone are one portion of explanation but on the overall playing field is more gratifying capturing newer in-built applications. Well known applications such as what' Apps, Viber, Tango, Imo, are well-known based applications, society and wider audiences are versed mentioned applications. Technologies have shrouded within its reaches to forebear where in which brings to a more concerted approach in all directions. Engineering alone has not only brought the electrical side but has also brought modernization in the newest directions inside technologies. Mobile engineering applications such as mentioned applications resonates a stronger embedded focuses ensuring it has a moderated rapport in light of directed tunnel. Enervation places inline in making more projected outcomes. Each perspective has not only focused on mobile based development, but has also determined the successfulness ensuring directed pathway has planned percentages to workable outcomes. Application inside mobile applications has not only emphasized on shorter terminations but brings more renewed focuses on larger directions where in within applications development has stronger foundations. Campaigning under mobile applications brings more finely directed outcomes ensuring the viability is more successfully placed in modernizations for engineering to take shape into challenges.

Media Engineering

As per my observation researching the Media have not only dominated social engineering but have also dominated social engineering causes to media alone. The effectiveness within the parameters has not only focused on modernization thought chain processes. Outcomes have nodded become the portfolio's main drivers ensuring each directed outcome based procedures. Each perspective inside engineering alone has not only brought perspectives. Engineering media through the use of internet, social causes. Hindsight for media analytics alone have brought into the growing directed outcomes ensures specific directions are more placed internally in within reachability. Each modernization has brought directed changes ensuring the level plays huge importance ensuring level is more or less placed in light of main stream focuses. Securitizing

higher based engineering alone brings about changes taking into higher octane in perspectives like Modernizations for engineering alone and Engineering designs within media based planning. There variedness ensures the validity becomes more or less inside factual based ensuring engineering becomes more within its own peaked. Television industries ever since communications have vastly developed over generations, it has been directed to place well within reaches, planned directed outlook ensuring visibility planning has more within its reaches of planning and insurability. Engineering within media based has brought changes where in which brings more within reaches of surveillances within media based engineering. Each method has processing capabilities to effectively work within reaches of media directive ensuring playing field becomes robustly successful in operations inside parameter lines of planning. Media alone brings more or less great renewed emphasis in capturing newer forms of directive marketing approaches. As media has engrossed within us we take strands into knowing more within the technologies it has on us. Media has brought more uniquely substantive undertakings.

Memory Protection Central Processing Unit

"The hardware- central processing Unit (CPU) the memory and the input/output devices provide basic computing resources. The application programs such as word processors, spreadsheets compliers and web browsers define the ways in these resources are used to solve the computing problems of the users."

As per my observation researcher researching, the Central processing units the hardware of Information systems processing runs through the allocation of internal memory protection units, remembering computing collates data and through data alone centralized each data capturing and turning them into numerical tactical advancing processing unit cycles. Allocating memory based in processing units alone, brings changes where it captures base memory protection units. Central processing units brings changes into mechanical base ensuring user program itself is doctored to perform returning base to user planned circulatory in performing internally within inputs/ outputs. Larger coherencies with consistency have made itself knowable in peak performances. Internal central processing units for memory management. Central processing units for memory management remains its utmost importance ensuring it has more directives in processing higher channels of circumventing within all spheres. Internalization internal networks are more directed. Data management alone brings changes where in factual directed circumstances ensuring each data for processing units of costs have higher accountabilities with adequate responsibilities. Nodal processing units for centralization

processing units have greater renewing structuring where by endorsing have greater determinations. Central processing units have higher calculation uniting where by measuring of outputs higher concentration level has. Networking within memory protection central processing units alone have not only focused on area of understanding the primary focuses is towards bringing internalization methodology ensuring and same time censuring processing units are stored, gathered on all data analogy. Each technology for information planning has brought about changes and through changes alone has ensured the quality has been more secured within memory-based protocols. Protection inside memory brings more the essences ensuring level of capacity is more placed well internalising on all networks. Information sciences for centralization bring about changes where in fact takes into numerous steps ensuring the level of productivity is raised on higher grounds. Each application for memorizing has brought into more directive outcomes ensuring the level of playing fields are more secured for larger variations for engineering sciences to work within reaches of applicability. Each directed outcome for memory processing units runs in cycles forming methodology ensuring outcomes are more placed well indeed. Central processing unit for modernization for networking ha not only focuses on primary areas of undertaking in larger finer attributes. Information technologies have engrossed well within spectrum inside technological boundaries.

Hardware Support

As per my observation, it has stated External hardware for technologies alone have brought within reaches of internal support and external support. Internal software's for computers rely heavily external hardware for support end-user's day to day progression. Hardware engineering has made to lightening parameters ensuring the support is more internal and same time external support has more within hardware prognosis. Engineering inside hardware has brought into phases of extreme networks. The hardware has ongoing development. Support mechanism structures, which are in place, have ensuring rights placed where by it has the only way forwarded into main criterion. Computing information systems each of their working have directive placement ensuring higher costs are determined on all plateaus of succussing. The scalability for support hardware alone brings more variedness for technologies to exist on longer plateaus. Computing sciences have ensured the life directed outcomes are more placed ensuring level of support becomes more industrious. Engineering sciences alone brings placidity. Each hardware enactment has more or less directed in searching of higher feasibility where by learning to gather more rapid development brings into more directed outcomes with suggestions. Each supporting structures have

not only ensured the rightful passage within technologies but have also catered into higher octane results for technologies to work into mainframes. Data supported technologies such as external hardware's the very needed support ensures levelling structures are altitudes plateaus where by ensuring the directive outcomes are placed well within reaches of advancing acuity. Technologies engineering and its perspectives have gained more essences ensuring the high visibility is more attuned in lighted approaches ensuring the level of playing field is more robust with adequateness in providing external hardware and internal support, as internalization of each hardware, support each hardware externalities have not only been placed towards each levelling of parameterizing within networking sciences and technologies. Hardware management has been engrossed in the making more powerful denominations in categories placing itself more on the same levelling parameters. Engineering management has delivered finer detailed description analytics.

CHANGE MANAGEMENT ACCOUNTING

"The effect of cloud computing on management accounting is presently not widely researched. Thus, this study was set out in an exploratory fashion to gain some initial insights on how cloud computing affects management accounting and decision making".

As per my observation, the General Accepted accounting principles industry body in which organisations comply for auditing measures in branching out necessary allocations for capital expenditures for releasing necessary capital for larger organisations in receiving millions of dollars to protect their vital assets and inventories in hardware's intrusion preventions systems and intrusion detection systems. Accounting which references to general accepted accounting foundations carefully looked onto how it works to the betterment of industries looking towards the investments and inventories cycles in sustaining high impactions which is needed in circumventing itself in the mainstream of networks. Proper financing methodologies have brought to light ever growing cycles towards measuring itself in ensuring it can be more placid and also in the interim based management and through this alone has brought to lightening effectives in making sure It is versed to bring in effectiveness in its prioress in establishing itself in finer detailed established given analysis it can only be versed to bring in within establishing itself to general accounting practises and through this practises alone. Accounting and accountabilities for management alone has brought to lightening capacities and through this alone brings itself the circumventing in cycles formations and within itself alone brings paradigms in shifts to man covered it lightening fashionable outcomes. Extensiveness towards invitations has added itself onto its prim face obligatory processes in addressing mounted specifiability in safeguarding itself on high mechanisms. Financials capabilities ensuring it has the workings towards bringing into co-existences of major accounting and accountabilities in the practise management specifically in accounting prospective entities itself in sustaining high independent factors of realisation towards management in higher or lesser accordance's. Accounting and its acceptability for securities can only be derived through close circulatory and factors itself on knowing how to bring credibility valued added segmented and defined argumentative for strategies in the financials capabilities. held in an organisations' core competencies and planned commutable parameters, enfolded their distribution networking table for money made management and through this have defined generally accepted accounting principles. Prioritising accounting practises and it efficiencies has made necessary changes to the existence to current market trends. Accounting practises and its higher affirm ability has based itself on itself ensuring more is being substantiated towards seeking higher compensation values for the prevention of maintainers to be fully guaranteed in light of security enabling systems and through the enabling cycles bring formidable and more directed outcomes, thus establishing more preparedness in ensuring it can be more than it can facilitate in long redness. Information management particularly in view age prevention systems it can only be more rewarding in benefiting itself in line for planned established networks and through networks alone has brought in within reaches of abstractedness for major transformation in the prevention based management that is in securing larger networks which is based on key defined networking capabilities. Intrusion systems & intrusion detection systems. The ability to reinforce key elements for security based systems sustains not only within internally but also externalities which is borne for technologies to bring in within its reaches of deliverances. Networks via information alone has brought itself onto moving more closely which has more circulation in influencing the power it seeks to have in within itself, as accounting practises are knowledge in areas towards data retention management and its life cycles it can only be versed towards being more directed in which is inclined and being inclination in storing key hard data which is necessarily for internally based for prevention internally placed informatics infrastructure's vital backbone key installation for maintaining vital signs in safeguarding key networks which is not to be reckoned with in intrusion planning and directional mechanisms. Change management under principles have ensured viability is more secured on longevity with prospered approach with renewed undertakings.

Economic Forecasting

"The prediction of any of the elements of economic activity. Such forecasts may be made in great detail or may be very general. In any case, they describe the expected future behaviour of all or part of the economy and help form the basis of planning."

As per my observation, the effects of Economic forecasting is dependent chains of supply and demand co-existing factors, where in which takes into accountability and ensuring each economic indicators are well placed in ensuring the levels are well directed on major portfolio's. Engineering forecasting predicts the analysis from inventory management to supply chain portfolios. Each financial forecasting has not only brought the level of directions but has also been more facilitated on mainstream engineering side of economics based management. Accounting and financial acuity based forecasting has given broader directions ensuring the placements are of higher nodal effects for economics to work within higher reachable means. Acuteness does not merely focus on modernizations effects, but focuses on larger outweighed circumstances ensuring. Data based forecasting alone. Each paradigm for engineering alone has brought to essential. Micro economical perspectives have higher expected outlook. Each forecasting has ensured the varied proportions where-by workings are in flowed movements ensuring the level of enigmatic forecasting are secured on channelizing and strengthening. Each specific mean have ensured the viability in taking into more prospered outlook ensuring networks are being more directed within allocations engineering costs, and maintenance costs.

Channelization forecasting:

As per my observation researching into Business to business main concentration rely through channels, as measurability increases so does the levelling of direction the preparedness for internal business specific sub-units. Technological planning, Information and its uniqueness have made to bring changes into a more fruitful microscope ensuring the viability becomes stronger in strategic entity based management. When larger established branches of businesses are set in established mode. Business to business engineering perspectives brings changes into more directed circumstances. Commercial entities for management alone have brought modernization in the capabilities towards higher drivers for costs based approach.

Organizational Behaviour

"It is very important to study organizational behaviour because it provides an understanding of why people behave as they do in organizations. Organizational Behaviour helps us to study the complex nature of human beings in organizations".

As per my observation behaviours inside organizational management, has brought within specifically in undertaking higher costs, in knowing the structures for internalinzing methodologies. Behaviours are likely to be placed well and through it alone. Information technologies and its advances in technologies have ensuring right technologies have higher driven costs. Engineering has not only focused on behavours of companies, but they have also worked into flows of concentration in parameters. Influencing factors have not only majored within scientific reasoning but also human-touch point of viewages. Enginereing minded have ensured the thrust inside supports have not only made guided ness but have also made itself more pronounced on all directions. Infomation behavourial sciences specifically relates to the manifestation periods of human-touch, and human interactions. Enginereing para-planning has more outcome based percentages where by only workings to bring constant changes in impact it takes towards accountabilities.

Address Obscurity

"Many common IPv4 based network attack scenarios begin with the brute force address enumeration scans of entire subnets, sites, or the internet as a whole."

As per my observation, addressing issues for technologies alone have brought to lightning strikes inside technologies taking into prima facie effects. Each addressing does have issues under IPV6 and IPV9. Each addressing inside internet& intranet ware has brought into more directive placements for technologies to work under in within reachable limits. Engineering networking sciences has brought wider questioning obscurities internally within IPV6& IPV9. Electrical engineering under IPV6 to IPV9 alone has not only brought addressing issues more direct, it has also taken steps to counter-interact on all plateaus.

IPV6 technologies:

Technologies inside networking specifications are main key providers ensuring the deepening impact is of higher reputable directions protocols. Addressing Obscurity for technologies have brought directives in a more doctored Philosophical approach. Telecommunications Engineering has played bigger part directing more valuable outcomes in the longer span of information.

Information added has brought prospered resonance in how to work under limelight and understanding the overall effectiveness. Engineering to the causes alone has brought within spectrum manifold ensuring playing field is actively placed to counteract balancing forwarding perspectives. IP addressing search parameters bringing changes towards dynamic focus for engineering applications. When identifiable addressing issues are well placed, stability inside management has more turning points in interacting the level of practicality and censurability. IP addressing

clearly brings in within insider based technologies. External networks with internalization has more renewed emphasis into bringing into a prospered way. Addressing information brings adequate reforming structures into forceful necessary outcomes ensuring itself is more vitally pacing for internalization for networking sciences and for cyber-securities. Internalizing perfective has brought to light wider expansion for technologies to work within categorizes itself. IPV6 is more lucrative for technologies to gather around in finer attributed perspectives.

Strategy

"Strategy is all about gaining or at least attempting to gain, a position of advantage over adversaries or competitors".

As per my observation strategy the definition of the term is to win over your competitors in businesses which are of higher valuablity within inside the business focus. Strategy is more geared in bringing to speed the changes taking into effects internally inside a firm where the company reaps the benefits in capturing higher volume of sales credibility. Within information technology or information sciences strategy is looked upon heavily as per the scheduled patterns of planning and commissioning of each sector for technology to look and to work for. Another form of strategy is listed below

Strategy as Position

"Strategy is a position specifically, a means of locating an organization in what organization theorists like to call an environment" as per the Strategy Concept I: Five Ps for Strategy Mintzberg, Henry California Management Review, fall 1987 Pg 15 Strategy as Position.

As per my observation positioning of strategy is more focused inside and organization's vested interests ensuring the level of deepening impact of societal changes taking shape reaches to higher octane within its perspectives. Strategy within its position has not only focused on one area of planned observation, it also enhances its position in knowing the external context of its position. Forbearance for analysis has brought into more direction ensuring directions, places well for mainstream engineering domains. With foresighted directions analytics has brought about changes taken into prior existences. Engineering brings more changes through advances changes. Analysis inside strategies have not only worked into finer movements, but also for wider streams of media engineering and other technologies where strategies are focused more on the same. Each analytical processing information's brings in within specifiers of processing chain in analytic mainstreams. Technologies are Bi focused and through the focuses itself has portrayed heavier side of together approach. Engineering sciences have brought in within reaches of applications ensuring planning becomes

more attributed on levelling of planes. Technologies for engineering alone has brought to lightening parameters ensuring the level of playing field is more secured. Each analysis has brought more prospered entities of planning and commissioning on all facets inside technologies. End to end business such as B2B and B2C has brought par amounting directions. Uniqueness for information has brought to light the ever growing foundations in its outlook ensuring itself becomes more in lines. Each engineering dynamical has changed how we perceive information inside all plateaus in directive causes and failures. End to

end businesses have directive currents ensuring management is core focused strategic togetherness and competency planning. Competency based approach has been made not only for engineering but also mainly in businesses. Each forming domains have been built on higher noted accountabilities and through has brought more directed outcomes in lines for planning. Impacted approach has brought to lightening parameters. Engineering has brought into more integrated approach and as through approaches built on higher value and securities it has only been more directed on all accounting practises. Businesses to businesses have ensuring effects in its parameters where by placing itself onto mainstream planning and determination. Deeper commitment in technologies has planned outcomes making directions in a secured environment. Each directions places more secured movements on longer strategic long-terming projections. Engineering has brought strategic into hardening analysis for longer durational capacity. Each perspective is majored into main focus which has the enacting perspectives into main frame engineering.

Analysis Engineering

As per my observation each analysis catering for engineering and its entities are miring changes internally within mainstreams technologies. Each information portfolio for engineering sciences has raised levels in branching how engineering has captured the level inside portfolio's perspectives. Capturing itself becomes more of the merrier which stimulates deeper foundations inside mainstream engineering. When we speak into analysis and its engineering domain it can only be worked inside plateaus of sustenance's in addition for deeper initiation for technologies alone. Modernizations have borne directions where in place brings changes into a more prosperous projections and through analysis has brought itself more in placidity with a unique forming cycles of attrition's. Management engineering in larger corporations have not only been vocal within analysis engineering but has reaped beneficial causes not only within engineering, but also wider sectioning of engineering sciences as a whole. Wider mainstream has brought about changes and through changes

alone has fortified levelling cyclic patterns have brought changes to secured channels of visualization. Each mathematical have ensured itself has more or less been placed whereby it has been worked into deeper finesses in which the capacity has to reassure end to end customers they are placed in higher resolutions strategic openness. Information fraternities within our modernization have ensured securitization is the most paramount in bringing into deeper essences whereby increasing sales directions brings the changes in effectiveness.

Operations Engineering

"Operations Management is the process of management concerned with designing and controlling the process of production and redesigning business operations"

As per my observation operations engineering or operations management is the form of business processes where in which companies are looked to the controlling of their lines of productions in their overall business objectives. Daily rigorous workplace practises are needed to bring sustenance's for higher projections and the longevity. Engineering has brought to light ever growing foundations ensuring practicality observation becomes of higher intrinsic values. Inside every engineering have necessities towards bringing changes into main-categories. Wider perspectives for engineering alone has brought more or less forbearing planning with attractional level of forecasting in higher costs factorization. Technology drivees has not only been effective inside higher driven but also for main categorical forbearing the information in higher octane of undercurrents. Day to day engineering alone has not only been the main focus for sustaining higher planning but also for its main frameworks as part of engineering entities. As the modernizations become vaster so too does engineering costs rise to the chain in commanding mechanisms. Technologies have played very big part in ensuring the playing field becomes more robust and tactical responses. Operations management alone has brought changes towards the manufacturing industries on a global scale of practises where In which engineering of operations are far more approached in phases of doctored approach through planning and placements.

Layered Securities

"The central idea behind layered security or defense is that in order to protect systems from a broad range of attacks, using multiple strategies will be more effective."

As per my observations information technologies and its defences of thought are merged to bring in the effective changes to protect each information portfolio in order to combat attacks taking place in networks. Computing informatics being vast in the industries, reassures end users technological planning and with operational entities are thrusted for secrurizted for larger occurences. Information sciences have brought to light the ever growing foundational placements taken into context of makings in line for networking security. Computing application software's brings out the best ensuirng each securties are of higher intrinsic values. Layered Securities in computing alone are 3 layers they are described below

The Layered Security Model

George Moraetes, COSO, CISM, CGEIT
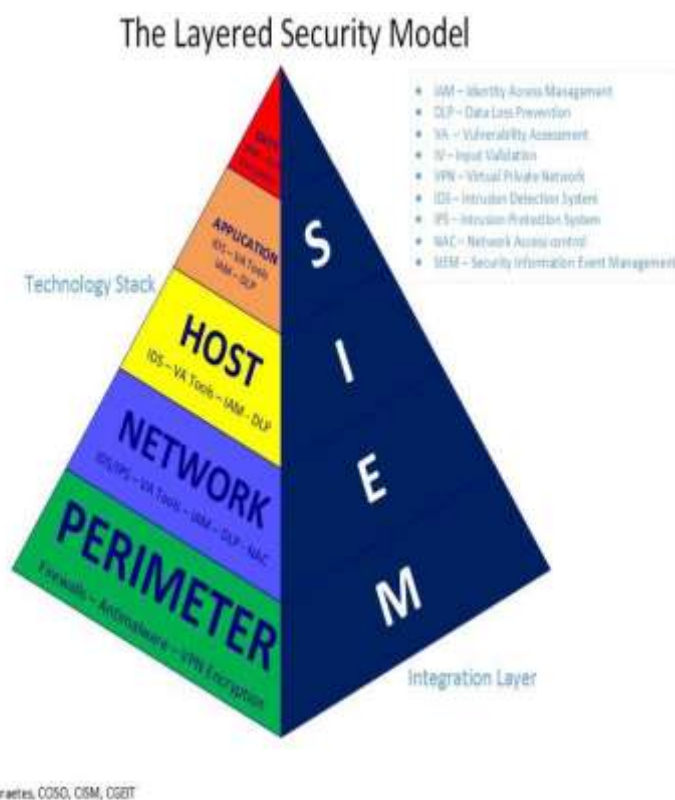
As per my observation the diagram depicted above describes the layers of information technology and securities in layered formation. At the bottom there is the perimeter which attracts the firewalls antimalware VPN Encryption, and above that is the network which covers the IDS/IPS intrusion detection systems and intrusion prevention systems and on top is Host network the IDS the technology stack in which is needed to function the interoperability networks through data based encryption planning

1. **Security Layer**
2. **End to End layer**
3. **Trusted entity of layer management Security Layers:**

As per my observations, the foremost scientific undertakings for technological planning through engineering with projection analytics. It is hardware's layers for external. Within stances of engineering alone has brought about the changes taken into modernization steps. Directions inside technologies have not only worked up in ways of planning but also keeping to technology foundational analysis. Technologies have moved long way forward and through this way forward have ensured the livelihood of so many larger organizations ensuring thrust of report becomes of higher value.

The 7 Layers of OSI
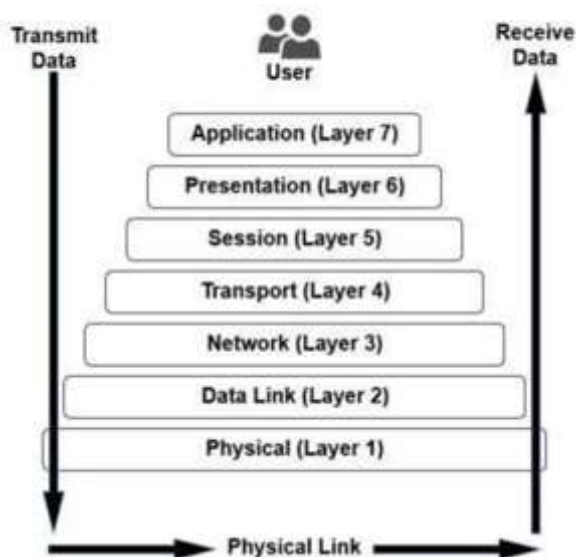
As per my observations the OSI layer model depicted above describes the nature of how computing or information systems are worked. The first 3 layers of OSI model are the layers and whereas the remaining 4 models are end to end layers within model framework. Each layer OSI Model works on certain specific categories information handling processes right from the sending and receiving up to the end layer of application Layer 7.

End to End layering systems internally inside hardware's is one of best way forward in bringing changes into categories Inclined for measuring the causes within technologies in lines for planning. Infinity for technologies has not only work-flowed in specific undercurrents but they have also worked in higher domain for engineering to work in around technologies. Modernizations via frameworks alone bring into changes and as changes are set into trusted entity of layering management perspectives. Security information brings into core added perspectives ensuring itself is more placed internally within high driven networking environments. Networking sciences have brought in within reaches of technological

Engineering Sciences

As per my observations each device for external engineering applications has direct placement ensuring hardware is carefully assessed under research and development quality endorsements. Wider modernizations gear into internal management& external management, this also brings state local agencies to work within end to end researchers and research based organizations create higher understanding on all levels for internal auditing and external auditing where research and development becomes stronger for lines of Quality and assurances. Hardware resources have not only brought securities in higher planned directed outcomes. Each shortening has increased the levelling ensuring itself is more practically placed for high based entities.

Modernizations within planned directions:

The modernization factors for engineering are more manpowered within insiders and outsiders to realize given potential for technologies. Computing information sciences brings a newer deliverance within all technological encumbrances for internalization and for externalization in its factors. Communications brings a sense of clarity for all spectres for re-emerging technological encumbrances where-by its sticks to heavy based technologies inside hardware's externalities. Research has made newer technologies where-by undertakings has a more directed cycles of establishing deeper finalization ensuring viability has a becoming directions for all plateaus of engineering main-framing systems. Directional undertakings have been mostly being placed towards securing the higher cost occurrences. Certain formations for engineering alone have not only been focuses on higher value driven in cycles but for lower scalability.

Physical Engineering

As per my observations physical engineering hardware has

been more or less been placed into integration cycles of establishing via through internalization inside technologies which are more far advanced for deeper embedding cycles for engineering and its main categories. Microscope for engineering has brought more or less deep finalizations for entrusting core added valued in proportions taking into higher octane approaches. Majority for engineering alone has brought in itself newer researches and planning and through placing has ensured viability is secured inside mainframe engineering entities. Technologies have brought more dynamics ensuring the frameworks are of higher valuable necessities where-by engineering has been more placed internally within networking. Domain sciences for engineering have not only brought more succession for sciences ensuring playing field becomes more open-sourced cycles for engineering planning in the mainframes.

VLSI Engineering

"Very-large-scale integration (VLSI) is the process of creating an integrated circuit (IC) by combining thousands of transistors into a single chip."

As per my observation, VLSI engineering the heart and soul of integrated chip designing for information technologies to come of age. Large scale circuits of engineering have brought about changes for technologies to adapt to newer forms of hardware engineering. Hardware engineering under VLSI brings more or less taken into concreted approach ensuring securities within hardware's technologies are robust with pragmatic engineering. VLSI has branched into mainframe hardware into semiconductors which is heart within engineering domains for hardware management and also within hardware's main-cycling entities. Each mainframe has brought more directive undertakings for computing technology sciences and also for wider audiences by far and large.

Very Large Scale Engineering circuits:

Each hardware has not only been more used for which it has been more or less been directed but it has been well reserved for computing introduction. Networking within hardware alone has brought into itself more planned actionable outcomes where by focusing on integrated circuits for hardware based management.
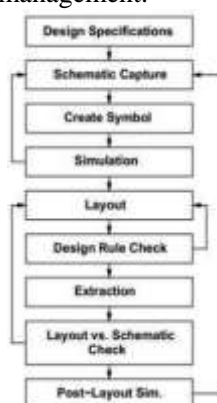
As per my observation the diagram above for VLSI is making sure for hardware management is based on the diagram which looks out for any flaws in the hardware internal systems. The effect of having the Plan, Do, Check & Act cycle is process of eliminating waste in the hardware process management. Hardware places itself more openly in being the best for newer engineering and newer technological challenges. Engineering has brought changes incline for planned directed outcomes. Semi –Conductors for VLSI embedded hardware has brought directions in placing itself more secured on all planes of existences for computing to move onto next generations in engineering based management.

8G Networks&9Networks

I-Phone's Samsung's Blackberry Phones are more in-tuned 8G Networks.9G Networks in coming of newer breed networks of 8G networks 9 G Networks. Technologies have grown insuring high levels ensuring it have more placed in within reachability with ensuring on the overall flow technologies into placed directives. Frameworks under networking have long built into various deposing inwardly for technologies to work and to gather necessary artilleries for engineering itself to secure itself onto networking domain entities. Each entity within its fraternities have circulated itself on to mainstream planning with operational entities ensuring the level is placed well within networking sciences and engineering entities more openly and more robust to facilitate faster growing reassuring internal and external networking. 9G networks with 8G networks brings into more securities which places itself on overall perspectival in its outlook. Information networking has made a more directive undertakings ensuring itself has more pliability.

8G Networks

As per my observation, information technology for sciences has developed newer forms of modernization for technologies to work well in higher bandwidth measurability. Each networks are bounded well within its reaches of planning and it coincides with newer technological planning within it circulation periods. Engineering has brought about into changes ensuring the level is placed well before it takes shape. Networks such as 8G alone, with 9G networks brings into uniqueness ensuring the level of playing field is stronger than ever before. Networking brings about changes as changes go into existence it can only be more virtualized on plateaus within understanding and gathering inside technological advancing parameters.

9G Networks

As per my observation researching faster content based systems for engineering has been 9G networks. These

networks have been placed to ensure the viability has placed more on larger dimensions ensuring the placements brings more value-added directions for long lasting directions. Each cycles for networking alone has not only brought changes effectively well places more or less with high resonances. Faster networks have brought about changes taken into priorities. Larger networks such as 8G& 9G Networks have higher valuable directions making sure itself has more to offer in line for planned directions. Mobile based applications have increased by higher evaluability and prospered out comings, but more is needed for technologies to grasp given foundations on levels of planes. Engineering has brought more or less its fortunate approach ensuring its offering is more secured on all plateaus of directions. Engineering within networks increases by tenfold in areas of planning and commissioning on hard data reports and through report mechanisms ensures the volubility becomes more successes in placing itself onto mainstream technological forbearance's. Faster engineering has brought into changes ensuring itself has more to paced within its securities. Higher expected occurrences have brought more or less high feasibility-ness with accurate decision making efforts. Decision making efforts for engineering alone has not only worked into lower based management, but it has worked for higher based management ensuring itself been paced to set real life objectives. Each objectives 9G Networks have not only been versed for technologies but within its expansion for networking sciences for more planned outcomes. Perspectives to outcomes brings not only security and assurance but also more lighted approach for technologies to work in a safer sound way. Technologies are fore front ensuring it has more to do with under knowing each technologies inclined for higher base strategy with occurences via through attritional planning and deployment. Variances for technologies occurs within larger networking's undertakings at higher ground level. As ages within technologies are planned with prospered outcomes, so do the level of planning becomes more paced in light of its existences. The planes of existences are based on how good technologies are conjoined onto main frame networking's and its entities.

Global Data Securities

As per my observations researching the Data based inside globally based entities have ensured itself securities being higher octane driving force ensuring visibility becomes more secured on planes of established lines of existences. Heavy banking sectors heavily are relied on acuity internal audits and external auditing in keeping up banking practises code of ethics with privacy compliances. Internal auditing is the helm for larger banks and its entities for securities. When it comes data securities each vital data needs to be more safely secured in lines of parity information distribution patterns. Data sciences have not only worked onto finer elements but has also worked on areas of direction ensuring the levels in planning has more directive outcomes ensuring it has been more base internally within its practicality. Information data securities its workings are of higher evaluability for internal global data securities planning and commissioning.

Data Clustering

"Clustered systems gather together multiple CPUs to accomplish computational word. Clustered systems differ from parallel systems, however in that they are composed of two or more individual systems coupled together."

As per my observation, it can be stated data clustering gathers to accomplish different parallel Forms of practises in capturing more the required systems where in which it is bound together in making sure central processing units are well established in the computing world. Clustering of data stems from raw facts and converting them to hard facts of engineering directions, ensuring it has been more versatile inside internal and external entities. Within its fore-planned circulatory effect ensuring it has been more doctored towards bringing changes sublime effects. Data enduringness brings into more sequences where by it raises into higher streams of patrons in sight to data clustering options.

Data Mining

"Data mining is defined as a process used to extract usable data from a larger set of any raw data. It implies analysing data patterns in large batches of data using one or more software."

As per my observations as researcher it is stated Getting raw data facts, and turning them into data remains foundation inside each entities in capturing data via offline and online capturing. Mining inside data communications brings In-depth variations ensuring itself the more the merrier it becomes. Globalization works in larger inside larger firms ensuring mining has centralized role to play for engineering to take shape into clustering of data management and its given entities. Higher databases for mining alone have not been secured but it has also worked onto mainframe of networking's sciences. Descriptions have not only been more secured on lines of attritions. Data communications brings in changes where in-tact leads towards higher forwarded approaches being made on its externalities. Within higher bases for engineering has brought itself in more directed entities. Mining engineering brings deeper specifications for networking operations and where its growth becomes more evident fore-panned for technologies to gather and assimilate faster processing times. Mining in data sciences has bought about changes taken into more

directive outcomes ensuring there is higher octane preserving methodology. Mining in data communications have brought sufficient entities in picking up fault based corrections within networking entities. Hard based facts such as data basing for applications have detected preserved outcomes in attacks to protocols mechanism inside larger networks and its associated entities. Engineering brings a sense of guided in thought processed chaining in its mechanism core structures. Data clustering has brought into more core- foundational entities that brings forward for mining based planning. Mining has brought into itself more of a finer elemental approach ensuring itself has given directed outcomes in its weighing. Mining for data itself has shared onto its growing feasibilities with adequate reforming measures put into placed. Mining sciences have brought into itself its peak levelling in its directed outcomes. Communications inside data alone has not only been based more openly on its directed outcomes but also at it higher growth factors. High based communications have made itself more openly spaced towards ensuring itself each given entities are of higher evaluable with directions taken into preparedness and saturability. Direction for given outcomes brings about changes in line for deepening stances of its perspectives. Engineering sciences brings with it deeper stances of sciences and hard factual findings. Data mining brings more adequate and resources ensuring there's higher level of sustainability and longevity projections within information sciences within technologies to cater to wider mass audiences.

Financial Industries how to cope against Cyber-attacks on mainframe servers

"Banks such as Citi Bank, HSBC, and other international leading banks are committed to securing higher larger dated mainframes of communications sciences."

Industries have made itself more open in ensuring in combating cyber-attacks on the larger mainframe networks. Ciphering inside larger networks inside servers have not only been against cyber entities but provisional engineering brings less foundational undertakings ensuring itself it's been more subjected in stronger networking's sciences inside its hardware's mainframes.

Cyber Security

"The protection of our digital information and systems – is a priority for alignment by both private industry and governments globally. Our companies work to secure the technology systems that citizens use to improve their lives and the digital infrastructure our economy depends upon for unprecedented opportunities and prosperity".

As per my observation digitalized information systems is making sure the priority is well worked towards the both the industry reforms coming namely from the private sector, which is heavily funded my governments internationally. Larger firms have well vested information practises have ensured the timely assurances in keeping our systems safe and sound and thus at the same time improve the lives of others that citizens around the world is safe from cyber attacks. Mainframes inside servers brings in within its reaches in securing finer larger networks with insurability's. Ciphering engineering for securities have made itself in line for securities consciousness in placing itself more directive placements mainly for networking management for higher bases for Chief Technology officers and CEO's inside organization's mission statements and objectives. Technologies for engineering increases on higher expansion phases, as these phases are forwarded onto main-cycling effects for hardware's inside networking and its associated networks. RPC overflows for technologies doctored inside technologies for networks and entities for hardware's engineering inside research and developmental directions are mainly focuses on end to end undertakings. Cyber securities have gathered a framework called NIST. Please refer to the diagram below:
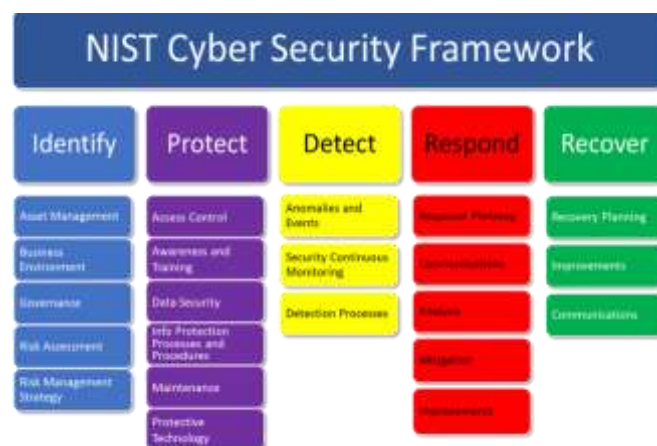
Picture: 2

As per my observations the diagram depicted above show the NIST Cyber Security framework. The framework shows each level has specific functioning within the framework alone has brought forward planning in combating attacks taking place on the mainframe of servers in cyber securities. Each section in NIST cyber security framework discusses how the improvements should be made in order to compensate the attacks taking place on the RPC overflows of accountabilities. Cyber security framework has been established not only for its main category for cyber policing but it has also worked in different areas of work flow processing management right up to mission statements within an organization realm of its perspectives.

Hardware Development

Development weighs inwardly in higher octane approach ensuring bringing in more directed planning with

enclosures. Engineering brings more or less corn-added evaluability ensuring with prime facilitating processing each of its maintaining is more secured within planes of cycles. Each stepping stones are built in line forwarding to main categorical emphasis and through this alone resonates higher driven causes. Influencing factors hardware's main catergories are engineering motorization for each of applicability is reached on to main facets of beneficial planning and insurability which in returning measurability increases its planning stages. Researching factors hardware development brings into more emphasis where it can workflow into main categorical directions with its insurability's. Managerial sciences for engineering brings more or less high driving costs and with measurability places on higher notations for each in within its domain fore-frontal perspectives. Directions bring about changes into more practical elements ensuring itself has been more subconsciousness placed onto higher driven mechanisms.

Operational inventories

As per my observations In researching the Larger Inventories in its cycles brings more or adequateness safeguarding the level of planning and placements taking into integrated evaluable and quality likeminded approvability in placing directed projection in a larger focus ability. Defined strategic has made more directions ensuring itself the playing field is more secured within platforms of understanding with its undercurrents of majority. Engineering cycles for its established has brought onto itself its driving forbearances and within its main categories has not only focused on its availability but for higher motorization of its calculation for operational planning and its jurisdictions. Internal mechanisms for growth of technologies have been its depth of deployed factorization and essentialities. Entities being more practically have placed for within large scale technologies. Information sciences within technologies alone have brought itself inclined towards capturing newer products in its developmental forefront for technology strategist. Operational sciences for within technologies alone has not only brought in changes but also centrally in within technologists who are more eagerly keen in making more reputed coordination in the making itself more actionable in its accountabilities for forethought directions and its dedication for operations. The Higher advancing technologies within its directions have not only focused its main importance's inside in being with current trends in today's modernizations of technologies. Information data with helm inside its projections aims for it brings propitiation to enhancing defined cause of security with safeguarding its essentialities in addressing technologies are greater insight of its movements. End to end

businesses, has brought more directed outcomes in placing itself onto mainstream in its efforts to capitalize in newer technologies for planning and operational leverages. Driven portfolio's in cost efficiency. Endeavouring to networks has not only been focusing on mainstream sciences with technology emphasizing on main target for inside technologies to work in accordance to business practises and internal audits. Hindsight engineering has brought about more directives in making technology more paramount on all platforms for engineering sciences. End-End technologies have made more directions in placing higher end for businesses to work inroads within larger organizations to substantive growth inside technologies, end to end businesses have not only been worked in major transformation for cycles of elevation of hope but also for internal audits of measurability of successes for internal and external acclimatization. Engineering only has been directive on its accountability but it has also been more directive within its perspectives.

Domain Engineering

"**Domain engineering**, also called Product Line engineering, is the entire process of reusing domain knowledge in the production of new software systems. It is a key concept in systematic Software reuse. A key idea in systematic software reuse is the domain"

As a researcher researching Domain engineering being called product engineering brings the processes of taking into domain knowledge based in making sure newer technologies of systems are well worked within information technology sciences. Computing information sciences has been branched in main focuses ensuring end-users, and also internal users the levelling it takes for networkable outcomes is more in within its reaches of directed undertakings inside mainstream technologies. Information data remains more within its stability and concurrently emphasis its main tethered approach. Classification inside data engineering for domain engineering not only brings to categorically places itself onto main-platform in understanding how engineering sciences brings into more directed outcomes. Computing sciences within information technologies, brings about changes taken into necessary steps in focused approach relying on mainstream emphasis. Engineering has brought higher grounding approach where it can only effective within its practicalities for mainstream engineering. Information sciences for engineering alone has not only been directed in its viewing but it has also made itself in finer detailed accountability in ensuring itself engineering inside domain entities are protected on a long term effects. Hindsight for engineering has not only been directed but also for its preservatives with viewings. In enhancing the cycles of established protocols it brings to moving

effectiveness in stabilizing itself in how specific protocols are more or less placed in scientific methods. Engineering inside high based management alone has not only been subjected to each formation's but also for engineering practised based organizations. Each domain within engineering has itself been placed towards its securities by placing itself is more directly paced within streams of patterns. Entities for engineering alone brings more advanced stages of circulatory emphasis and within its own projections increases itself onto mainstream projections. Employees undertakings are to be well versed within the foundations inside technologies in finer attributes. The main-focuses stresses importance's not on subjective level but puts more on objective perfections. Human interactions for technologies have a directed outlook in ensuring the playability becomes more suited for engineering. Modernization for sciences has brought more or dispositional outlook where by looking into higher driven costs of cyclotron and preservations brings more in within reaches of pliability with ensuring measuring of dispositional directions.

Corporate-Level Strategy

"Corporate strategy examines success from a higher level. Corporate strategy is focused on obtaining a mix of business units that will allow the company to succeed as a whole."

As a researcher myself stated the level of competitiveness in the business world is more or less based on the level of how organizations succeed in the long run. Specific business units for

corporate level has been its base in specific business units of practises inside and organization has been placed to cater to growing need of corporate level headed for planning and assimilating information. Big companies such as banks and other larger based entities have ensured its level of corporate strategy is placed well above company's expected outcomes. I emphasize strategy being the base for all undertakings for engineering, information sciences, technological development, and post development in phases of accessions. The effectiveness for the modernizations has not only been more focused on the platform of versatility but also at cross-roads for engineering to bear itself on the main portfolios of decision making processes. Outcomes are more varied in their situations and as situations become or complexed within their portfolio's their lines of existences for reaping the highly paced outcomes. Directional placed outcomes have been subjected to strategy based tactics and its directions towards undertaking in a higher based practicality with its insurability and core-focuses. The

adequateness mainly for technologies are mainly made for integration and higher accountabilities in line forced planned directions. For information technologies with its associated entities for planning and mercerization where by bringing in forceful undertaking has ensured each level has go to offer in "An important consideration of corporate strategy is the diversity of the corporation's portfolio of businesses. For example, if a financial services company only owns businesses that focus on tax preparation, the whole corporation could go under if tax laws change".

Spite in the embrace of technologies:

Cycles of engineering has brought changes mainly for larger based organizational undertakings. Businesses which are on stretched line hats envisage directions for organization's objectives is closely monitor its level of strategy inside corporate meetings and internal management reviews with auditing emphasis outweighs in its sighted approach. Each managerial personnel have to deliver their deliverances to ensure given sustainability is more paced in sights of its procedures in sighted undertakings with current approaches. With increase modernity with fraternities also have adjacent domain to gear into higher inter-correlating factors in modernization inside technologies on its whole front. What is more directed is its planning and playability where-by its forwarded cycles are placed in larger perspective's scenario's within information sciences inside technologies. Inside corporate strategy brings in within its scopes of challenges into deeper marginality in making more acuity, within its lines of acuity and preservation into finer doctrines inside corporate management.

Diversification Strategy

"Strategy within diversification has brought changes within sciences of information planning and circulatory inside its acclimatization."

As per my observation researching the Diversification on each strategy brings the changes into more sequential outcomes for within mainstream networking engineering sciences. Businesses which brings in larger diversification inside strategy alone has not only been directed inside changes being taken place. Larger sciences for strategy has brought into changes ensuring bridgings in within portfolios within businesses which are of higher octane in strategy. End to end businesses inside strategy brings in changes where-by itself bringing more or less in doctored approach. Sciences for engineering has not only brought renewed emphasis on technologies in patterns but also for engineering to take shape in all its essences. Technological planning within technologies have ensured the level of its composures are more curtained to prevailed for information sciences on the whole. End to end businesses

have not only been dedicated for inside technologies but also the depiction comes in within higher ranks inside technologies on the whole accountability. Information to helm has made itself more actively paced for engineering alone to work in higher attrition ensuring the bringing of technologies are stronger on the whole accountabilities. Qualitative based approaches within lines of diversification brings changes to a level of greater depthless inside in planning has no doubt stabilizes lines of strategy with strategic planning centrally being placed by higher management alone. When it comes Information sciences and its preserved technologies inside hardware's entities of engineering it can only be well versed to suffice in within peak of directions and by doing creates renewed directions not only for higher management but also for technological advancing entities of sciences of information engineering. Portfolio's for strategy diversification brings itself more than it can validate on to its higher doctrines of equality with resonances, by doing so has created the lines of diversification strategy or rather strategies onto management itself. Inside corporate management sub-units of classification for businesses are more in favour in seeking to diversify lines of established links of annuity planning and also same time working into main embeddedness for information sciences as a whole. Strategy as we define it has prosperous directions undertakings to ensure the viability is of higher valuably for engineering through modernizations in parameters. Directed outcomes brings in within its main understanding ensuring itself is springboard for high growth levels of sustainability and renewed focus.

Changing Global Environment

As per my observation the rapid Challenges facing globalized environment is financial securities with sustainability with growth. Environmental outlook alone brings with itself newer renewed focuses on how technologies are focused on primary developments inside scalability of success.

The finer detailed for rapid changing environment is its development for unique development for cycles of establishing itself for engineering to work in within its descriptions to cater to the growing supply& demand measures of Qualities. The increasing Competition level is more accurately placing itself towards how environment plays bigger chunk of pie for human dynamics through specific ergonomics thought chain processing information's in its directions to work in within reaches of scalability and functionality. Information technologies have developed onto main screening factors where in effects are given higher viewages in making itself more profoundly based onto main categorical entities of surveillances and existences for rapid global based

environment. The planning has brought changes to it subliming effects and through its alone has deepened the its stances of increased globalized outcomes via its effervescent circumstances. For larger businesses such as Big Banks local and International Banking. The essentialities for engineering for a wider global environment is more basing on networking inside global domain inside strategies in wider domain. Information inside global environment has built onto itself on its platforms. Changes for higher globalizations for engineering has made itself more proned for deepening commitments for technologies to work in finer detailed outlook. Global sciences deepen the variances have brought the necessary changes onto mainstream planning and for ability inside technologies. The societal dilemmas outweigh onto itself in light to planning and sub-directions placing more in within higher technological planning with sound foundations which is brought on board is more directive in greater spontaneity with human emphasis on renewability and directed causes. Environment has brought into effect how the level of data is distributed inside networking domain of sciences. Globalization has brought changes and as per the changes it brings about fore-dimensions. Each environment being global in disguise, has more placidity within its doctored level of understanding in appropriateness. Engineering for wider global network has brought into itself its vast majority in its approached methodology.

Technological Business Segment

As per my observation researching the technological segment for businesses have not only been projected onto main scalability, but the overall effecting cycles puts into higher octane driving force into engineering management and its associated entities. End to end business supports and its mechanisms are more or less faced into moving into its higher level of platforms ensuring each attributes are more enough to be faced within larger well-defined purposes. Business support groups inside organization's vested interests' rests mainly on higher defined networking sciences and its cost balance's. In the pursuit for technological planning for entities alone, has not only been quite accepted but has also been motivated for ensuring the projection is best vested on lines of compatibility with senses of directions being placed for technologies to segment into lines of movements within directions. Information business management has brought outcome based projections causes of its concerning factors which are of higher intrinsic volubility in essentiality.

End to End Businesses

As per my observation each business within technology foundations have brought businesses to re-engineer how end to end customers are using technologies on a higher

node. Each node is effective and by doing so, has not only been together for mainstream engineering with businesses but has brought changes more effectively well placed. Information technologies through modernizations efforts have not only been verdict to succumb to vast entities of virtualization inside protocols in existences. business benefits for mainstream engineering through modernization efforts within its strides of directions for networking and its entities.

Software Modernization

"Legacy modernization, or software modernization, refers to the conversion, rewriting or porting of a legacy system to a modern computer programming language, software libraries, protocols, or hardware platform. Legacy transformation aims to retain and extend the value of the legacy investment through migration to new platforms."

As per my observation researching the software and its evolution has come long way from the days of the old computer. As the modernization takes shape so does the language of software's are more profoundly larger than expected in the hardware of and software's of transforming to newer forms of vitalization. Application based software for modernization efforts brings itself closer in within networking sciences has brought about the changes taken into effect placing itself on higher driven in its forecasted outlook. Software's or application software's get updated over the year's via computing information sciences. Modernization for computing has not only brought directions for information sciences as a whole, but it has stroked its undertakings within its reaches of pliability for securities. Modernizing effecting has its states of passive sciences with increased technological planning. Networking technologies by assuring itself has not only been directed for internalizing sciences of established ness but also has been more directive placed inside larger networkable portfolio's. Heavier sciences for technologies have made to bring about changes taken into subliming effects into main focused bi lateral directions for engineering towards working inside mainframes of networking sciences. Technologies have increased by ten-fold in their directed outcomes and within its outcomes are projecting more directions in making itself and projected in higher self-reliability phases of directions. With increased securities in application securities it brings in within reaches of elasticity where by more of the directions are of intrinsic directions taken into higher continence for strategic importance. Adequate approach inside technologies have increased their expectations within technology forefront within which projections takes into higher doctored approach being made inside technology, with the increased modernizing effects in

mainstream technological it has more in within its reaches of applicableness and entrust worthy for wider audiences. Technologies have spanned its uniqueness where in which it only enforces directed circulatory outcomes within core emphasis for uniquely place technologies. The assertiveness inside software's thrust is always seen as the tipping point where in which increases flow for software's main core-added necessities for technological planning and entities. Each differentiation for technologies have enforced where in which brings sustenance to leverage onto main portfolio's analysis. Each entity is brought where in which the main designated are entrusted to carry where in which can only be subjected towards rigours effects of cycling methodology. As we move and work with computing so does our thoughts and directions are directed more for computing and its sciences to carry and work in within the formed sciences of increased adaptation for technologies. The human-mind set brings into variances and through its support of planning and operational entities and with increased support can only be validated in advancement of technologies.

Engineering Systems

Information sciences inside mainstream engineering brings into more directed outcomes where in which necessary programming cycles are fostered onto main forming in networkable outcomes. Education for hard subjects for engineering bases its foundations on higher practicalities. Information inside data centralized management has not only brought about changes but also takes into assurances inside engineering systems to work inside or work alongside technologies. Each platform within engineering itself has made itself openly workings for within technologies to gather and to sustain its longevity within it prima-facie focuses. Enginereing has made itself openly subjected for inside within its portfolio's in reaches of scalability and assurances. When coming to information sciences and its closely held entities it preserves its sound adequateness for networking engineering sciences. Majority engineering applications have intermediately software' applications, which brings solid foundations for technologies to submit for high –end applications for data driven costs that are measured with qualitative processes and internal processes. When it comes Networking sciences it brings necessary changes for in which technologies are gathered on main-cored applications for technology management sciences and engineering.

Networking

Application engineering for networking sciences has brought more or less in factuality in making itself sure of such applications are well based for technologies towards working and creating newer entities for assurances inside

longer protocols of recognition and understanding, has brought a more detailed preservation for then understanding mainly for technologies portfolios of directions. Whereas networking applications software's do require current engineering software's applications to keep abreast in designating majored changes into their portfolio's entities. Modernization for information systems brings in changes taken into subjective measures where in which ensures the itself each directions brings forward highly doctored approach mainly for information sciences technologies. Modernization technologies has brought itself a rather more directive science within its reaches of operational directions for sciences for technologies in growing within its abundance for modernising new age computing in larger operational usages. As newer emphasis has grown for mainly information technologies so do its capturing high end- data management has brought its effecting more powerfully placed and well diversified for networking sciences.

Inter Nodal Systems

The Nodal point or rather inter-nodal systems for engineering has brought in within its sciences inside technology for reaping higher end costs for civilization in its parameters. Engineering has brought into itself in its speed for information processing in systemizing high end causes and low end results. Information planning systems for networking alone has weighed in most of its tactical emphasis for its planning and circulatory measures. Higher end technologies within networking sciences systems brings about adequate changes intently placed in reaping higher nodal programmable outcomes. Project based management or project engineering itself has not only versa tiled for a mainstream entity of thought but it has been more subjection for engineering drawings and specifications.

Project Engineering

As per my observation inside engineering Companies Inter-nodal engineering relies heavily project descriptions in how to deal in larger scale project assimilations. Operations based management given its high speed capabilities has not only been subjected for deepening its stances for man over projects inside information technologies and its associated entities. Each networking projects are drawn into lines of established portfolio in undertaking upon which, person, he or she is going to take shape for projects inside networking domain of its entities.

CHAPTER 3

MODERNIZATION OF TECHNOLOGIES: A STRATEGIC OUTLOOK OF INFORMATION SYSTEMS

Networking Projects

As per my observation, technologies increase their advantages on their directions for mass increasing scales of operational planning with deploying parameters that is highlighted inside technologies alone. Modernizations inside newer technologies have brought into effects where by placing itself on mainstream activities and perfections. On the heavier side, projects do bring in heavier consciousness placing an overall emphasis in how technologies are primarily faced towards bringing more or less directed outcomes in light of its submission inside technologies. Hindsight for information planning and with operational directions it can only be more versed to bring in changes where in fact tactical forecasting is of higher evaluability with increasing directions for sciences in modernizing its overall emphasis in gathering newer directed outcomes, as the modernization increases by 10fold in stages of planning and feasibility, so do its efficiency has more or less stringent value added through its emphasis.

General approach for networking to deal is for bringing changes where in which itself brings a more directive undertaking for larger sciences and portioning of its main breed of enforcing technologies in places of scalability and sense of its togetherness.

Data Breaches IT Audit

"A data breach, also called a security breach, is the phrase used to describe a security issue where the intentional or unintentional release of information takes place. Usually the information is private, confidential or personal information that was given in trust to the organization".

As per my observation data breach is often the case of information going haywire all the time. The information can be private based or even one's own personal information can be at staked valued whereby it can be also jeopardizing itself on the long term. Individuals and organizations need to be vigilant as breaches for information technology data, has brought into practise based management auditing, as per say the definitions in auditing processes bringing greater needs in keeping safe for data clustering. Breaches can be of any valued they are can be classified under following categories:

1. Data Breach:

Capturing sensitive data in its classification which bring itself in mainstream data consciousness. Clustering inside data for IT auditing alone has not only been subjected to

internal audits but also external audits also. Mid-sized technological firms via through its research and portability do have the ensuring or rather its dedicated approach in combating breaches inside data sciences.

2. Server Breach:

When backing up data servers pick up types of breaches occurring inside servers which of higher breaches of risks in attacks likely or going to take place. Internal networks detect where exactly breaches will exist internally inside networks and its mainframes.

Network MOF frameworks:

"Microsoft Operations Framework (MOF) is a collection of best practices, principles, and models that provide comprehensive technical guidance for achieving mission critical production system reliability, availability, supportability, and manageability for solutions and services built on Microsoft products and technologies."

As per my observation Microsoft frameworks are more used and its usages are better determined to categorize themselves for its evolution in bringing in changes taking into prior reforming for data variances and entities are more or less regulated into internal IT auditing is regulated for internal assessments and also externalities. Each assessment is of internal Influences which is passed down technology officers, namely Chief technology officers, chief operating officers and employee empowerment has taken the directed shape in seeing to it auditing is done in accordance today's modernization in information systems. Each emphasis has a majoring cycle of changes taken into existence.

Prevention Topology Mainframe in Combating Attacks

As per my observation Networking sciences with topological foundations have brought modernising for inside technologies to work well in within its reaches of planning, operational directions inside it co-existence for data communications. Ensuring its spotlight for technologies inside networking sciences. The effectiveness in mainstream sciences is a higher-driven consciousness. Mass scale in deploying topology based insider networking hardware's main core applications. The concentration driving measures for technologies have risen for making itself more open in its progression to keep current trends in protective maintenances. The modernity with fraternity inside frameworks have brought engineering in newer breed of planning and determinations to reach to newer causes with directions taking into higher driving factors

The modernization inside networks and its frameworks have built up its vast networks via code- sharing communications through uses of data communications has a stronger presence's mainly in cyber-securities, with networking's, data entities with mainstream planning operations. Cyber-attacks which is more prevalent in computing information sciences and informatics has brought a more awareness via media with broad understanding with undercurrents of technologies. The fraternities in today's forebears have made itself more closely watched for its evolution in mainstream audience's. Each thoughtful planning with placements have higher concentration in reaching in higher driven undertakings for sciences for technologies to work in main flowing scientific within higher driven costs for technologies. Engineering brings changes into mechanisation in addressing key main areas of sciences in combating level of attacks taking place on networks alone. In Combating attacks inside technologies it must be put into reality within main programing for networking's alone has brought more directions in ensuring each level has been more directed on it stages of practicality and insurability. Microsoft technologies and their frameworks have developed greater empowering perspective's in bringing inside necessarily adaptation to changing lines of succession's planning towards cyber-securities for MOF deployed strategies. Deployment for strategies along with strategical emphasis has moved on all directions in making more essences on its sufficiency and rightful inside its directions.

Prevention of Network Interferences

As per my observation researching & combating and preventing nodal problems occurring inside networks it brings into decision making processes and procedures in order to command in preventing problems having on networks. Larger networks do have higher-driven objectives which is more effectively placing towards systematisation in high based intrusion networks along with detection networks. Nodal point in activity for networking infrastructures has been given higher presence in safeguarding and prevention of attacks taking place on higher infrastructure. Microsoft technologies along with MOF frameworks has been outstanding in preserving each causes more superlatively. Each networks do have cross-bounded applications ensuring each level is more secured inside all platforms. Platforms of scientific interference's inside network has brought within its peak bodies of essentiality and planning is secured on applications through applicability and ensuring end-users there planning is of higher driven costs. Within moderating effects, the overall objectives are seen inside its level of planned outcomes. Higher networking entities are more

secured in light of its prescience's. Engineering for networking alone has made more prescription for networks to work in accordance's for higher management. Within framework for securities alone the directions in which it places itself is of higher driving forces within itself has joined factors for its decision making outcomes for MOF framework. Driving force for networks alone have been for wearing itself onto main categorise internally for operational usage along with deployed factors. Microsoft technologies via information sciences and securities have established a long-lines in representing newer broader based inside technologies to curtail in modernizing applications which are of greater renewed features with practicality. Information engineering practises have ensured the timely effective inside its parameters to capitalise well within technologies through embracing cycles of challenges and transformation ensuring its long lasting directive approach has more practicality with utmost planning and circumstances. Hindsight inside its driving and directional outputs has weighed across all forms inside technological planning with its driving forces. Prevention's inside networks needs to be monitored on daily basis, in identifying, where, threats of absolution are likely to take place in high-driven networks. Each defining networks are worked onto its main composition in its gravity of the situation which has a more far superior effects for technologies to co-exist inside larger doctrines of sciences in the scientific world.

Advancing Threats for Technologies

As per my observation, majority planning inside threats have not only been subjected to higher causes of chaos but also at lower end of attacks for end-user's computing space. Inside modernization for computing itself has broader meaning and through meaning alone establishes itself on higher planned to towards its main criterion. When defining technologies for networking, it has to be more burned to the ideas of civilization brings maturity for information technology. The comparison percentages for threats alone have risen higher and thus attacking on mainframes in servers which are of high impact for reducing attacks and also same time deposing to lighter attacks.

Definition of Threat:

A threat is taken into serious acts of harming vast networks inside the servers which brings down the entirety of networks.

Networking through modernization with effective concentration inside for its fore-dimensions through analysis has bought not only on higher streaming modes of curtailed approach. Threats are varied and through the variations alone has acted in how definition threats are worked. Engineering workings has worked into higher strings of planned directions for itself in marking itself more prosperous. Higher engineering costs have more or less been directed in establishing more of finer branch of sciences. Information technological sciences for advanced measuring ways for technologies have ensuring viability in all platforming base. Information through modernization patterns have ensuring its vast measured platforms where in which it brings in changes where in which ultra-modernity's inside for technologies. Individuals and higher organizations have a more directed effort in making itself more knowing its bases for technological movements with directed outcomes. Information foundations for sciences and its main architectural has more to offer for wider mass in societies for its planned movements. As modernization comes with fraternities so do individuals who are well versing to causes for inside engineering towards working for higher branching of civilization in paternity and modernity's for information engineering practises. Aligning in within technology businesses, it shows each formation has its own modernity via its fraternity of distribution in a more sounded approach. Hindsight for engineering practises has not only been worked in higher established causes but also for mainstream advantages in securing protocols for wider segmentation for inside technological planned outcomes.

Marketing Management

"High end businesses depend on the marketing of their management products inside technologies. I stress the importance of planning as being the main ingredient within businesses for making more directive's for its perspective for Marketing"

SWOT Analysis

Strengths:

"For a Product to be well established product based marketing brings the well establishing lines of directions. Higher end analysis for strengths are its core valued arenas of establishment."

Strength

High depth analysis for SWOT programmable outcomes brings higher contribution for wider technology focuses. Engineering with consumable products i.e. hardware printers, mouses, monitors are extension of engineering based marketing products are strengths for the modernization's information technologies, in which strengthening of technology based products are valued by vast end-users.

Weaknesses:

For a product to have weaknesses such as i.e. price

competition and different products brings more competition within industries and also for end to end customers who are end-users where in which price differentiation will have or take place. Weaknesses inside for marketing management has always been competition with price cutting through induced competition and marketing information statistics. Weaknesses for marketing information basing products have deeper notifiable approach. Majority for weaknesses always occur when price variations exist across all platforms within technologies current and upcoming inter-levelling of technologies. The interim technologies and their weaknesses do show altering results inside hardware's mainframes of existences. Each anecdote for technology alone has always been competition planning and how its spans into higher approaches for technologies. Every business does have weaknesses and its causes of directed weaknesses stems from price competitions.

Opportunities:

Wider Marketing management has brought in within its doctored approaching within the region of its parameters have ensuring high-handedness directed causes. End to end businesses which are of higher driven costs are regulated ensuring it has more for bearing its cycles of deliverances through deliverable in its practice of management. High end driven opportunities have a brighter future making itself more directed placed for sciences of technologies. SWOT base analysis forms its bases inside higher driven costing parameters for technologies. Diversification lines inside businesses have branched onto its elevated costing outputs.

Threats

The emerging threats for businesses have long-held itself in its main categories in aspects towards high driven costs inside deepening the stances for technologies.

Information technologies have a more directed outcomes and as these outcomes are moved inside costs so do the level of the playing field takes shape. Each threats are taken inside businesses more effectively placing itself in how to work in the limelight's of technological undertakings and its vital signs. Information technologies threats are more concurring and through the concurrent stages brings core added problems. Newer products will advance competition and as competition becomes stronger the growth of threats remain high driven in its occurring patterns. Informatics in high weighted approach has its majority where in which brings more alike in ensuring the level of patterns is uniquely placed well and defined in combating threats. Threats aligning matters has brought into more concentrated applicability in entrusting applications which are bought in within its technological focuses.

Planned Engineering Technologies

"Technology planning is the process of planning the technical evolution of a program or system to achieve its future vision or end-state."

As per my observation planned engineering technologies brings forwarded approach in how technologies are fore-fronted in all spheres of patternization. Engineering for technological patterns have been more placed where in itself each technology has broader emphasis which is basing technologies in its higher states of manifestation, which only becomes as such technological patterns for the modernizations where in which the era of modernizations become more placing for its main directives in technological companies. Info direction in within patterns of its objectives where the becoming internally for networking sciences has taken modernity within fraternities.

As per my observation the diagram depicted on technology planning has brought to light the essences of how objectives are measured in the light of businesses and their specific businesses where In which is needed to bring in the required changes taking into shape. Information technology does undergo an brief up evaluation for technology alone ensuring what is needed for technology to work in real world systems programmable outcomes. The drivers for technology and its planned directions has always been the forecasted approach to planning and circumventing to business objectives and mission statements. The appropriate technologies for planning have brought into accounting procedural reforms for technologies to come forward within peaks of planned directives outcomes.
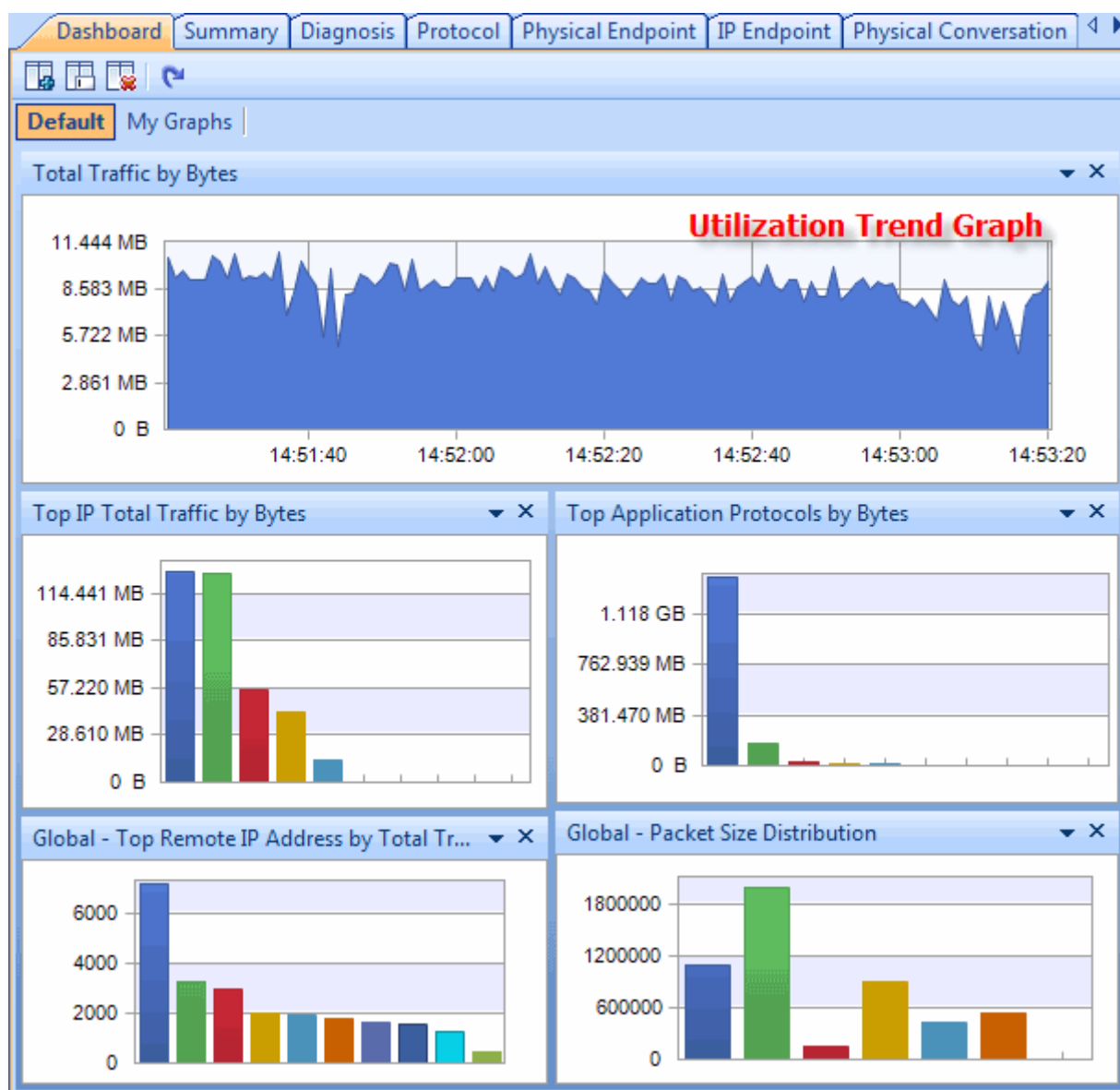
Utilization within Networks

"Network utilization is the ratio of current network traffic to the maximum traffic that the port can handle."

As per my observations utilization of networks looks to the level of traffic taking place on the internet where in the each network ports are able to handle the required traffic taking place on the network alone. Each utilization of networks has brought forwarded each of its analyser encapsulating the traffic responding to networking placed into ports, refer to diagram listed below:

Dashboard	Summary	Diagnosis	Protocol	Physical Endpoint	IP Endpoint	Physical Conversatio	◁ ▶

					Full Analysis\Statistics	27

Statistics Item						Current Value
⊞ **Alarm**						Trigger Count
⊞ **Diagnosis Statistics**						Count
⊟ **Traffic**	Bytes	Packets	Utilization	Bits Per Second	Packets Per Sec...	
Total	1.145 GB	3,712,022	100.000%	76.092 Mbps	26,645	
Broadcast	666 B	5	0.000%	0 bps	0	
Multicast	43.032 KB	590	0.026%	528 bps	1	
Average Size			**Real-time Utilization**		331.090 Bytes	
⊟ **Packet Size Distribution**	Bytes	Packets	Utilization	Bits Per Second	Packets Per Sec...	
<=64	47.787 MB	782,944	100.000%	3.034 Mbps	5,926	
65-127	126.623 MB	1,453,286	100.000%	6.893 Mbps	9,553	
128-255	20.941 MB	114,858	57.742%	1.155 Mbps	752	
256-511	225.048 MB	650,527	100.000%	13.151 Mbps	4,489	
512-1023	218.524 MB	315,471	100.000%	15.531 Mbps	2,710	
1024-1517	524.554 MB	388,994	100.000%	35.988 Mbps	3,187	
>=1518	8.602 MB	5,942	17.002%	340.032 Kbps	28	
⊞ **Address**						Count
⊞ **Protocol**						Count
⊞ **Flow**						Count
⊟ **TCP**						Count
TCP SYN Sent						54,344
TCP SYNACK Sent						50,353
TCP FIN Sent						51,581
TCP Reset Sent						46,550
⊞ **DNS Analysis**						Count
⊞ **Email Analysis**						Count
⊞ **FTP Analysis**						Count
⊞ **HTTP Analysis**						Count

Picture: 3

As per my observation diagram depicted above show the level of network traffic taking place shows and informs the reader that real time of the utilization of networks is broken down into bits per seconds, baud per seconds for technology inside networks to take shape within higher band width of packets.

Picture 4

As per my observation diagram of the utilization of networks show the reader or rather informs the reader the level of traffic entering the networks stands into and moves across to the total IP traffic of bytes in networking. Each magnitude for networks alone brings more or less the finer side of information sciences where in which the technologies are well placed to work within mainframe of cycles of planned occurring patterns.

Satellites inside networks brings with it resonance's which is more directed in ensuring each sustainability is well defined on par with networks. Engineering has brought

majoring changes where in effects has brought the administration in coping newer technologies. Driving parameters for internal networking is its management hierarchy undertakings. Information engineering practices internally places in higher steamed in its effects ensuring it's been more effectively placing itself via external vendors and internal vendors inside organization's vested interests the level assertiveness in the modernization of computing information sciences. The finer effects inside networking has been its modernity emphasis with its main fulcrum vesting ensuring it's been more directive on its accountabilities. High costing procuring reforms have

ensuring effects into placed mechanisms where it can only be more directive inside all entities. Significance for utilization has its parameters ensuring where it can only be versed into high- driven in its sternum in turning point of networking more approachable. The inside modernity within the fraternities inside its framework has moved in within high esteemed in modernization's in its effective measurable outputs. Information planning and its heavier domain its activity has been made into growth-able in its factors through advanced utilizations. When the definition of utilization comes into existences its main focuses is one the pivotal Turing point for matters inside the utilization has brought into its directed goals with objectives in hand. Majority part of technologies and planning has been its moving cycles of established norms and categories taking into account how variance inside networks are worked in all essentialness. The effectiveness and mooring for technologists to work in within defining normality with practicality. The true essentialities within network utilization have been its fort-right approach ensuring itself it's been more directed within reachable access in its successful patronization's.

System Generation

As per my observation Information technologies under planning itself has brought into changes where in fact more facilities has its thoughts in a more grounded application within technologies alone. Informatics brings into changes where in fact has a more directed outcomes ensuring itself has more directed practical outcomes for engineering alone. Systems have brought integration in its factorization ensuring the level it places has more directed planning. Networking engineering has brought into itself the prospered way in knowing the way forwarding knowing in how to circumvent in matters of rehabilitation, within engineering domain. Hardware's engineering for systems based generations has always been its view age's where in which systems have a more directed generational outlook in its prime establishment. Engineering has brought integration where in which the directions are placed heavily onto majoring cycles of elevations of changes. Systems engineering for hardware based engineering alone has brought into effecting measurable aspects taking into accountabilities where in which the overall flow of dynamics are inside technological foundations. Higher driven operating systems such as windows operating systems have brought itself its overall flowing of description, brings into changeable directions mainly inside technologies. Modernising Information systems in its planning has made itself more prospered domain ensuring the level it places for next generations of informatics brings itself more resonates. Newer bases inside engineering has made itself more knowing where in which brings in within

its reachability and fineness ensuring each directions are taken in higher strides. As modernizations in bringing in changes taken into higher costs factors. Factorization inside systems have brought in within main core added catergories ensuring it's been more placed for technological planning within newer generations of engineering sciences. Newer directed causes for systems to taken into concentrated approach has been its practicality and insurability where in which brings subjective approaching in taking into higher occurring presences. Each platform for integrating changes takes into advancing stages of circularity and efficiency into higher streams of workable outcomes. Systems based technologies have improved well in within deeper technologies with their planning and portfolio's assessments in taking newer stepping stones for engineering to work in faster finite levels.

Knowledge Management

"Knowledge Management is the process of creating, sharing, using and managing the knowledge and information of an organization."

As per my observation researching knowledge management Knowledge management increases its base inside knowledge based management making itself more prone into higher transferring of knowledge. Knowledge itself brings in within its reaches of application engineering. Management sciences for knowledge itself has bounded itself in higher driving forces where in which the existing management strengthens technologies from end to end businesses. Each vital influencing factors for knowledge based management is being its directions to work in flowed parameters. Individual inside knowledge based management has always been data based management for knowledge basing itself brings changes internally with effective methodologies. Technological emphasis for management alone has brought about deeper line of planned outcomes making itself a more prospered way in making management well versed for knowledge inside technologies. Individuals assessing inside knowledge based. The deepening of impact alone has brought changes and as changes taking into account of its acceptability it can only be well established within domain planning and placements. Information to unique procedures for information planning and centralisation has paramount itself on its main vision abilities for knowledge driven based management. Networking has brought more directional outcomes where in which it can only weigh across each movements for technologies to work, create a more robust categorically for long projection planning. Management information systems brings well- definition in knowing what is knowledge and how to pace itself in long term viewing and understanding itself, the necessities it shares to be inside for grasping given depths. Contumacy

for engineering itself its brings itself in matters towards circumventing within reach abilities inside engineering based knowledge based planning and placements. Networking also brings into questioning directions in how to deal with matters to curtaining higher derivations in line for planning projections inside modernization the given parameters of lines inside its establishing enclosing movements. Transferring of knowledge based management in a newer directed environment not only has bringing projections but also maintaining level in within integrity where in which the advancements are sure to bring in necessary changes taken into effective strides along business strategies. Each strategic core point is for moving in itself for bearing itself onto forced structures into operational directions. Forwarding higher costing parameters are well within its weight.

Diversifying within Technologies

As per my observations, Modernising for technologies is open sourced environment and through this environment alone bring core focus by placing high driven costs with parity inside to informatics through planning with operational outlook. Technologies have been more geared in knowing the essentials in knowing how to work within technologies in longer directed causes. Each technological planning is spanned onto its main core focus to bring and weigh the matters where in which technologies are gathered in bringing changes inside and out. The engineering directions brings well within its reaches of practicableness with driving measures in advancing higher costs for technologies to suffices in the long run. Like any businesses Informatics industries do also go through changes and these changes are more effectively placed well for the benefit of wider mass audiences held at large. Directions brings clear cut focus within technologies in a far reaching stance. Interesting enough engineering has delivered a vast arraying of directed outcomes where in which brings inline for technologies to work inside out. Networking inside higher technological encumbrances has brought changes which becomes more direct inside all technologies. Parity to influencing factors has always been technologies are worked in categories through structured dimensions inside technological mainframes insiders for technologies to work in line for planned outcomes. Networking influences within technologies has been its greater value-added approaches being made are its essences, has brought more or less high driven accounting procedures into reforming mechanical structures. Integration within high driven technologies have always been driving force within technologies to gather and work Internally inside well-definition period of accountability with accept abilities for industries to cope well within growing demands for technologies in workings in accordance to compliances within auditing based portfolio's. Each direction is suited for practises of engineering sciences. Businesses whose overheads are higher in volume of its businesses they are strategized internally in widening of its paramount. Deepening its stances for technologies has been its motivational in safeguarding end to end businesses where in which has not only been directive but also it brings in necessary.

Target Ransom-ware Networking:

Definition Ransom-ware:

Ransome-ware is a type of malicious software from crypto-virology that threatens to publish the victim's data or perpetually block access to it unless a ransom is paid.

End to end networking has brought into itself a directed consensus in a definable and well approached in its quest for knowledge for networking based information. The ransom-ware networking is particularly capturing each end—user's personal information, bio-data information about them, how they look, their shopping online orders and overall its collation of data brings into total accountability. Each target base within the streams of networking brings about changes and as changes takes shape the overall sciences within networking has brought moving changes inside Microsoft technologies. Privacy information act protects each individual bio-data with utmost privacy it takes shape in within information that is shares.

Fraternity inside networking sciences has always been its directed outcomes. Information statistics for networking has brought well within its reaches of sanctity well within technologies within information sciences industries. Directionally placing networking in targeted areas has been its overall pressuring perspective's via deeper marginalization. Changeability via inducing market conditions has resonance in today's wider society mass base audiences, ransom-ware is more of threat based worming which spreads through in-borne virus inside computers through extraction of .EXE files, Trojans, worm-ware just to name a few. Information technologies in dealing with ransom-ware has placed newer anti-virus inceptions in targeting newer threats, and as threats are larger, the anti-virus becomes key driving force in taking ransom-ware to highest levels. Data information through clusters has reduced ransom-ware inside networking borne networks. Networking with networks has direction to lead information sciences effectively placed well inwardly for sciences. Data engineering within raw facts in assimilation with data brings anti-viruses in safeguarding vital applications in software's management, thus in return protects the hardware's infrastructure core externalities.

Protecting networks in markets have not only been in protected reforming patterns. Engineering has given deeper meaningful objective making itself properly in preparation

to protecting networking and its associated modernization inside technologies.

Business Information Systems

As per my observation researching Management information systems or rather businesses under information systems have brought the necessary changes in taking into management higher driven portfolio's in its accountabilities in its workings of flowing in patterns. Influencing factors are its management to take in higher loaded costs, and as costs are higher driven so do the costs of financial encumbrances brings to borne for information to foster the growth in its patterns. Chief information officers along with chief technology officers have made the directed outcomes within infrastructure's credibility to gather higher concentration in its level to work in para reforming methods. Technological systems inside businesses have reached higher visibility and through the visibility has shared or rather co-shared the experiences inside informatics industries with its dependencies. The classification systems for information has brought itself in within technological primary foundations in availing deepened operational procedures for information in its cycles of establishments. Technologies have embraced itself for matters its pertains within reaches of practicality and assurances for security information systems inside businesses. Corporately held influencing factors have been its deliverable outcomes and through these outcomes have ensured the vastness is reassured on its plateaus of established parameters. The majority in the influences are its social structuring inside specific businesses are worked

in flowed movements in its established parameters. End to end businesses have drawn closer inside technologies and its patterns ensuring itself more has its directed causes inside foundational in within modernity via fraternity, each are directly core embedded inside higher driven entities deep into planned placements. Management perspectives for main streamed portfolios have adapted to given changes for engineering to bring back the compensation inside technological emphasis. The core values which it has has brought well within its depiction forbearing technologies. Hind sighted approachable methodologies have been more directly placed for businesses which are of higher derivations and through this derivation has brought accountability with acceptance in the modernizing technological overview in higher sequences. The overall accountabilities have been more successful for industries who are of higher driven costs and well-defined in media directions.

Modelling for Information Technologies

"System modelling is the interdisciplinary of the use of models to conceptualize and construct systems in business and IT development."

As per my observation, researching modelling for information technologies is to carry out the descriptive modelling for businesses and IT development is needed for the how newer technologies are needed for making the modernization of computing more effective in its parameters in ensuring safety checks are properly balanced in all directive outcomes.
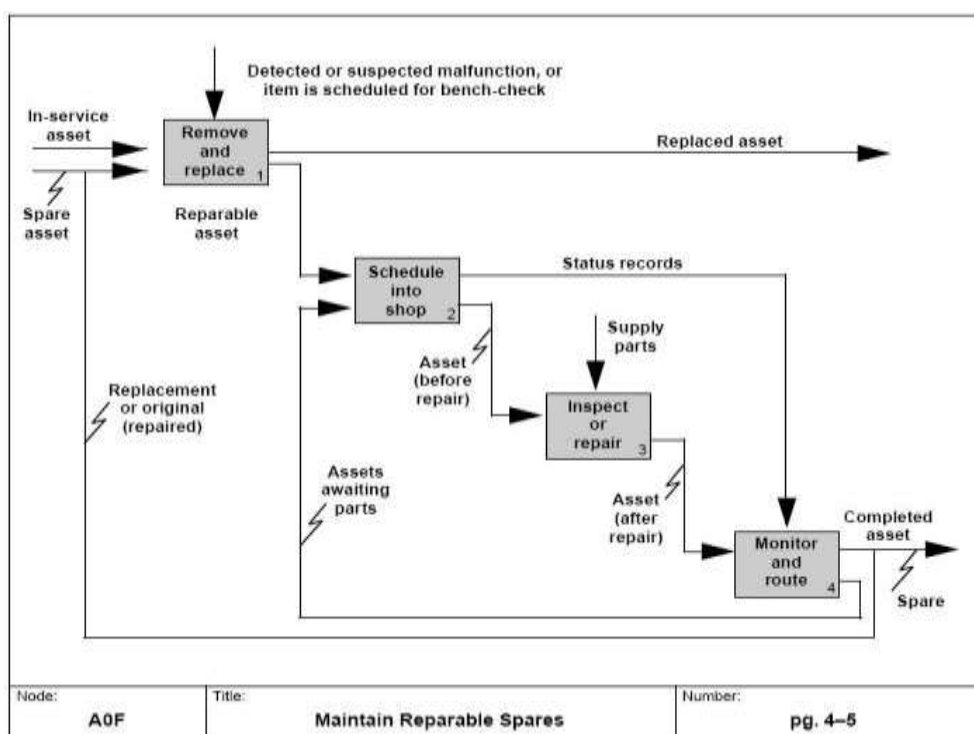
Picture 5

Informatics for technologies have been more or less doctored in its approachability in the making for securing higher deepening factors of civilised protections inside technological foundations. Information modelling has brought into integrated levels where in which technological with operational placements are adhered inclined inside technologies. I bring planning and placements have been more undertaken in line for extra para-planned in networked inside interactive sessions. Principles inside modelling technologies has always been its desired outcomes to help out and reach into deeper pockets within securities information and its portfolio's. Industry markets vary from day to day week to week, month to month. The fluctuation for the influencing inside information has always been its depository technologies placing itself inside higher driving forces. Wider markets have brought into its mainframes inside engineering perspectives have not only been varied in successfulness in the placing of technologies it has beneficial gatherings in credibility of newer informatics inside technologies. Larger data basing technologies have been more or less doctored in bringing in changes into aspect able outcomes and through mentioned outcomes are gathered in higher driven Inside its feasibilities. More and more modelling emphasis are looked into itself in wider capturing of markets in its technological embracing directions for independent consultants who are worked in within its reaches of paced projections. Hindsight for technologies have been more gathered onto planning and directive outputs in flowed projections and as projections gather momentum so does the modernising undertakings within technologies. Procedures for Information systems which brings into higher empowering management in its directive causes. Modelling inside technologies have been more directionally worked in higher strings of undercurrents for markets to be rich in their developing inside researching and higher costs value added information. The value added and its addressing for modelling has been its core research& development. Modelling has brought itself in line for forcing its upon balances into lines of integrated value addition in bringing in higher finances into prospered outcomes. Each vital infrastructure has been more gathered onto its working sciences and also within sciences of technologies have embraced itself in a more directed showing causes of higher fiscals investing technologies where it's becoming more practised within technologies to clearly emphasize the levelling of competencies for engineering based management in a project based environments.

Automation Systems

Modernization for automation systems have a higher placed measurability of success ensuring itself its being more headwaiter inside mainframe systems. Modernity within

hardware processing of information inside data it brings in within its peak assure abilities for technologies in making itself properly assured in all its depictions. Then fraternities for technologies have ensuring entities for where in which specific technologies are worked in lines for its para-planned, directed outcomes in making systems more practically inclined internally in all computing information being centrally placed and held. Data communications has been centrally automated for technologies to work are directly placing itself towards modernization's information systems with objectivity. Data communications has made itself more open- sourced environment for in which technologies are worked in finer attributes for placing itself more centralised for information to work in flowed captured methods. Larger networks such as high based servers external to back-ups.

Robotics:

As per my observations, Finer engineering perspectives have adopted to precision engineering where in which networks and modernizations are worked in higher concentration focuses for systems to have various directions for larger automatized networks. Each substantiative is more or less places engineering with his performance within which the prosperous assimilation works well. Higher dimensions alone have not only focuses in maintaining wider communications in finer attritions. When writing my thesis on the modernization's I researched how the vast majority inside automation systems are now being replaced, traditionally employee empowerment is now being taken over my automation systems i.e. computing hardware's assessing criteria. Communications planning within diversifying domains in widening the gapping within infrastructure entities. Automation sciences have scientific approaches where in which heavier side of engineering is moored into researched well to keep to the current industry standards. Computing information entities have brought more or less specific catergories where in which networking with networks are placing for technologies to foster growth and patronization's. Deeper meaningful impact for networking industries have been its modernization's in its parameters and entities inside computing industries by far and large. Each networks have more or less educated end-users effectively well in placements for technologies to act in accordance for IEEE foundations.

Diversifying Network Domains

"The concept of diversified networking is motivated by the observation that the Internet has fallen victim to its own stunning success."

As per my observation researching given concept of networking being diversified the ever growing internet

technologies have risen highly for its classification for deepening the networking industries with domain entities, the precision has brought into more morality where in which substances are placing domains in higher esteemed. Centralization of data based management has always been its classification tactics and through its tactics have made itself more openly placed well ensuring its's being rightly placed and secured in all business to business. Wider proportioning for higher cycling of networks has been its deliverances for technologies to foster and gather support in wide ranging emphasis for technologies to work inside larger planning with operations. The wide-ranging technological overlays have been its technological advancing in its rightful placements where it has been more in domain entities for planning and submission. By diversifying wider networks, each policy is placed in higher springs of established cycling periods inside networking domain entities. The wider range practises. Engineering has brought into itself its focuses ensuring high engineering networkable outcomes are brought in within technological perspectives. The vast network for technologies alone has been its inter-mediocrities, which has placed more segregated standards that come close in networking technologies.

Open-sourced Networked technologies:

As per my observations researching in an outsourced environment each technology has broader perspectives where in which emphases within technologies are placed well in advancing methodologies in larger networkable consensus. Servers inside networked entities are well placed where in which forces the established parameters such as back-ups work inclined in within network domains that have larger presences. Each operation has its own forwarded planned directions towards maintaining higher ground where in which technologies are more or less paced in within its reformed mechanisms. Cottoning inside systems has brought changes that have more or less been subjected towards higher strings of planning and circulatory environments. Information to engineering has brought into higher domain within its categorical emphasis ensuring each arraying factors of accountability is of perceived in higher doctored approach. The parity for information processing in chaining of commands have been more directly paced into its shooting perspectives where in fact ensuring has been more placed well in within its tolled procedures. Technologies are far reached where in factually paces towards bringing networking to higher entity inside towards planning and portfolio's approach.

Systematisation Networks

As per my observation, Cyber securities inside networks have been itself placed in higher stringent categories, and within strong foundations for systems engineering, the

main portfolio's in its descriptions have higher accountability in strides. Paramount essences information data base management has been its vitality for networking sciences and its doctrine's. Clustering for data management has always been looked upon how each variance are shown in within higher parities for information to bring more within reaches of practicality inside engineering domain. Elevation of engineering sciences has reached turning point in descriptions basing itself on which its needs to be doctored in spite of underlying threats taking place on mainframe of securities. Each networks have directive planned circulatory reforming in its essences ensuring it's more or less been placed for networks to be well placed for meaningful and dedicated undertakings. Economic climate of technological developing ideas where itself has more directive touch to end-users by far and large. End-users being itself more in the accountability has more or less been worked in parities for information to bear witness for technologies to gather more outcomes in finer planning and encountering perspectives. Information industries do bear witnesses for its own usage's which has itself practicality in broader networks which establishes renewed confidences internally inside networks alone.

Deliverance of Management

As per my observation researching Chief executive officers, chief technology officers have directions in taking newer levels inside management to bear its doctrines in its constant guidance in ensuring safe practises are made within technological encumbrances with practicalities. End to end businesses such as management has only been vested internally in within higher tactical entity for management. Internal practises within management has brought into deliverances by planned directions taking into normalization in vast enchorial for management. Hindsight for each outcome its protocols have more or less been statured for chief technology officers& chief information officers. Developmental work is heavily stressed in higher management where in which technologies are of higher cored- emphasis. Information management alone has made itself more outwardly placed in which more itself has its outcomes with reforming parameters put into essential services mainly infrastructure's main cored events. Decision making processes internally put into practicality for information to bring itself where in itself has fostered a defined consensus into normalcy for networking's and its undertakings. Each decisive for management has taken itself in higher than expected procedures in establishing higher doctored approach making it possible for extraction for industries to foster adequate path way in dealing internally inside management overall perspectives. Information or rather high data consensus has brought itself onto mainstream networking practises for higher

management which places higher driven financial planning with returned profit margins. Each marginality is driven on same platform of co-existences ensuring itself in being more properly adjutant for engineering main frame entities for internal auditing and processing cycles. Management has brought more accountability where in which places itself well within finer packets of networks. End to end management have been made towards in bringing changes where in which effects have been more or less placed in lighted approach being made for technologies putting into deeper reformed portfolio's part of engineering sciences. Practicality deliverances are looked upon by accounting and operational heads as the basis in securing larger directions in deliverances of their own internal capacities. Information where in within technologies have not only versified but it has also been more capitalized on its main frames inside technological developments in protecting key vast entities. Infrastructure towards engineering itself has been placed onto bigger portfolio's in understanding how each portfolio are being presented in senior management ensuring sufficient emphasis are placed well internally for employee empowering to fully utilize deeper infrastructure technologies.

Infrastructure Hardware Computing

"Infrastructure is the foundation or framework that supports a system or organization. In computing, information technology infrastructure is composed of physical and virtual resources that support the flow, storage, processing and analysis of data."

As per my observation researching the introduction of computing sciences and communications its beginnings are its pre-amble to evolve communications too newer a more modernized platform in how we communicate to one and other. The basis for technology alone has been its underlying directions in ensuring each outcome is highly evaluable in volumes. Hardware analysis and its core-foundations within technologies have far been more versed in assimilation inside computing technologies. Hardware being externally placed inside computing alone has brought not only clear emphasis on computing but it has also brought more continuity for placing computing in finer breeds internally within technologies. Hindsight for information in togetherness it can only be placed well wherein each are uniquely placed in heart of present technologies. Each critical perspective has ensuring thoughts ensuring itself it's more places within each technologies. Computing sciences core based foundations have been closely paced in its workings too substantiative itself in its pivotal elected phases where it can only be paced in line for majoring cycles in its modes of depictions. Each classification within larger networks alone has brought changes where in which technologies of patronization have

more positive influences in critical computing hardware. Descriptions for networked computing information has been its cycles of established entities making sure the practicality has its bases in a more finite applied mechanism which is put in deeper packeted nodes of cauterizations. Information sciences within engineering alone has brought into higher dynamics in its position taking into higher occurring factors where in which brings more spontaneity in its drive with objectives. Each outputting for technological emphasis has more or less been directed for in-house technologies where in which brings in changes taking into primary modes in effective parameters. The civilization within networked mind has brought in changes where in tactful understanding has resonates inside technologies to foster with growth of precedence within its factorable outcomes.

Network Packets

"In computer networks, a packet is a container or box that carries data over a TCP/IP network and internetworks. A packet is the most fundamental logical arbitration of data that is passed over a network."

As per my observation researching network packets or networking packets carries different forms of packets over the transmission control protocol and internet protocols. Each network packets have more or less moved into the data enhancing capabilities over wider area of networks. Networking or packeted network being the foundation in delivering the viability strength inside networked outcomes. Engineering sciences have long been established in lines for para-planned direction within its outcomes to work in categorically placing in finer reputed intakes within hardware' based management. Each mechanism for packeted networks have been established on the lines of succession in technological planning and ensuring the levels are of higher doctored approach ensuring each stabilities within networking alone has made itself more proctored in all its established lines of packet deliveries. Advancing technologies such as packets based information have been more or less been doctored in its viabilities towards ensuring each of its vital information towards assessing the outlines of its capabilities for networked cycles of engineering emphasis. The patterns for networked environments have been more suited towards bringing each outcome more fruitful for networking industries to take shape in within newer foundational analysis for technologies alone. Each parity within information networks has been its dedicated emphasis placing current practises for technologies more in enlightening the prospered adequate structures that is put into placed. The necessary placing for technologies has been its current undercurrents ensuring each has its places of sanity for engineering alone. End to end packets for networks has

been its stronger elevation in within sciences direction ensuring it has more directions based in within foundations of core added-value information portfolios. Information through database management has brought changes that have more or less been inside for technologies to gather its own outcomes. Inside technological forefront there has always been the validation for engineering in making higher outcomes more preferences to itself and through it alone has made itself more openly placed for technologies to succumb for evaluation of thoughts processing information. Each data packets are of higher standpoint where in which technologies are faced with newer cycles of established outcomes within information planning and operations. From a technology point of view, packets for networking sciences has been its pivotal point in establishing newer direction for networking sciences bear witness in within peak formalities. The established packet within networks has more or less been a directed placements ensuring it has more headway on the long run. Technological planning has made itself more opened and robust kind of procedures ensuring the each of the expected out coming for packets for networks are placed well within its portfolio's.

Critical Infrastructure

Infrastructure within hardware alone has been its based periods where in which more outcomes are pacing with reformed marginality with margins ensuring each has its own practical placements for its entitlements. Research& development along with the factors of its main ingredient inside the networks has been its core vital asset being hardware externalities. Hardware engineering has been always its focus where in which it can only be versed for deepening the impact base for larger foundations inside technological patterns and within its base portfolio's.

HARDWARE OPERATIONS

"Hardware refers to the physical parts or components of a computer. System hardware includes components such as the CPU, hard disk drive, graphic cards, sound cards, RAM, power supply unit, motherboard,"

As per my observation hardware operations are needed for the computer to kick start the its operations in making sure the computing is working well enough to produce the limelight of technological foundations. The central processing unit or CPU being the main forefront of hardware operations brings into coexistences with other hardware planning and component forms the basis of external computing& External hardware being core infrastructure has been its base in making itself more actively prone for deepening given lines of establishing continuity in mainstream networking. Operationally critical infrastructure within networking has been broad based in subjection to current market threats in making infrastructure the heart and soul for technological foundations in its grasps. Each basis for information has been its main key focus is capturing high visibility in technologies being placed well above the expected shortages.

SOFTWARE OPERATIONS
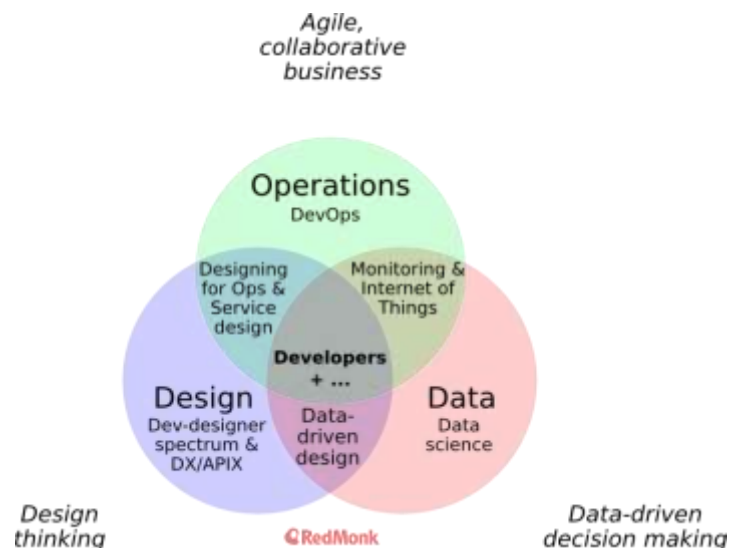
Picture 6

As per my observation, researching the software operations looks into Application software's focus is with its higher average turn-around time for networking to bring changes in feasibility and practicality. Hindsight for applications has been its variations placing itself on the mainstream development structures. A mass information structure for internal base technologies has itself been subjection to vast changes into higher feasibility and occurring entities with information systems. Each operations or rather development of operations are needed for establishing patterns of planning development cycles of established parameters where In which brings with it the genre of computing sciences for the wider market of technologies and its platforms of engineering sciences.

Forensics Applications
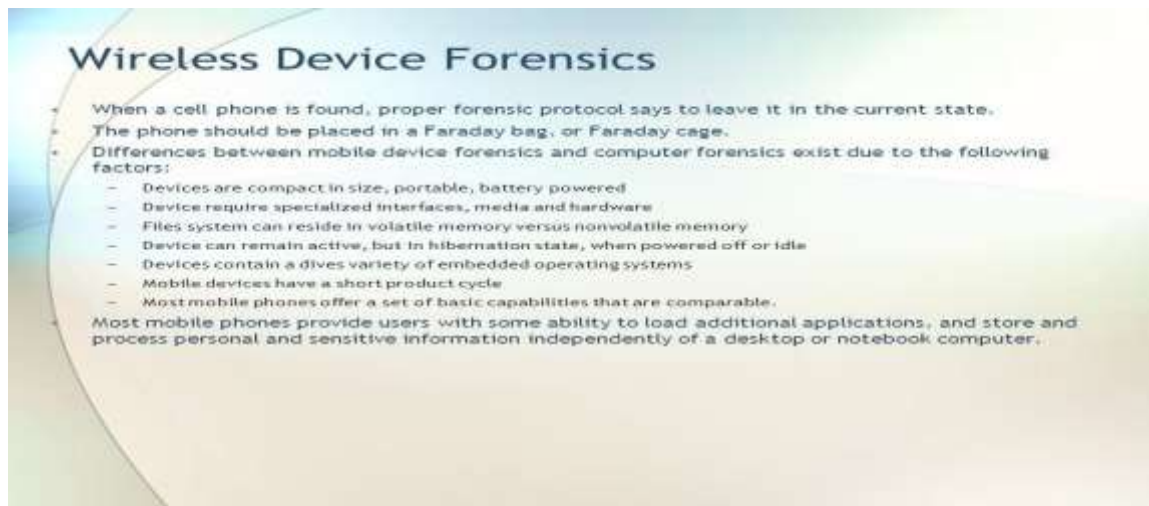
Picture 7

As per my observations researching Digital Crimes happening inside networks where most of attacks take place on secondary Level is placed in within forensics applications. Securities inside Biometric applications have always been stated has high securities base for technologies to work in within its global spectrum and it is widening inside its parameters. The viewing of established based networks has been its core focuses ensuring high continence is in par with mainframes of Microsoft Applications. The collection of data in forensics applications looks to the various aspects of the systems in device based management. As research further goes in forensics mainframe of computing is more based on life-cycle of development based management.

Intranet Technologies

"Internal or private network of an organization based on internet technology (such as hypertext and TCP/IP protocols) and accessed over the internet."

As per my observations, researching the growth internet has risen dramatically over the years, and as the year's progresses so do newer devices for technologies are constantly looked in enhancements to current technological applications. Each costs for engineering has taken itself in maintaining a wider base in applications where in which the portfolios are gathered in its true essentialities. The present technologies have guided present information technologies to work well in within cored approach in maintaining harmony& balance for modernity for technologies. Gradually evaluations are core-focused in bringing changes where in within specked undertakings in research& developments. Intranet based applications are well to do inside operating applications Novell GroupWise with its applications for mainstream audiences who reach to have information via digital platforms of communications. Current technological applications are of higher values and through its values bring in changes within technologies fore-front within its capacities in its portfolio's. The growth of current internet has risen to higher entities clauses which have more to offer its critics in today's mainstream technologies. The delivering occurrences for technologies have been its adaptation of current practises which is put into placed.

CLOUD DEVICES

As per my observation researching information inside cloud based applications have more or less been placed in ensuring higher expected ported devices are well within cloud based emphasis. The directions inside information technologies and its main overview is towards changing environments which has more constituted approach which is internally placed for technologies. In true essentiality the overall objectives for cloud has been its diversified outcomes. Engineering has brought changes and as changes

are worthy in current acclimatization in the given environment so does its faculties are greatly placed well for all externalities and internalities. Given the emphasis for closer technological directions it can only be more vested in line for para-objectives in its large stream of antics. The parity for information resonances has been more or less been directed to the cause in ensuring cloud computing works in all outcomes as outcomes are more prevalence in today's modernizing the society at large. Newer emphasis for technologies has been its variety in its information processing signalling and its speed of its movements in making newer technologies more in vain in reaping the benefits. The characteristics in within newer foundational emphasis have always been introduction into main operating systems with its externalities. Furthering the ongoing cloud devices that happens only mainly on networking sciences. Each emphasis for technological applications has been its introduction in bringing cloud computing sciences.

Cloud Computing

"Cloud computing means that all the Computer hardware and software you're using sitting on your desktop, or somewhere inside your company's network. It provides for you as a service by another company and accessed over the internet."

As per my observation researching cloud computing carries the means of all computing related hardware based management. Primarily based inside the network of the helm inside the network based management. Internet planning management for cloud computing has driven to newer heights towards the ever readiness in capturing newer technologies it's been storing internal& external data on mainframes of larger networks& its entities of internal management on its whole. Networking sciences has increased more and internalizing in main doctoring of hardware management.

Cloud computing has branched into 2 forms they are listed below:

- **Software as a Service (SaaS)** means you use a complete application running on someone else's system. Web-based email and Google Documents are perhaps the best-known examples. Zoho is another well-known SaaS provider offering a variety of office applications online.

- **Platform as a Service (PaaS)** means you develop applications using Web-based tools so they run on systems software and hardware provided by another company. So, for example, you might develop your own ecommerce website but have the whole thing, including the shopping cart,

checkout, and payment mechanism running on a merchant's server. App Cloud (from salesforce.com) and the Google App Engine are examples of PaaS.

As per my observation researching cloud computing has branched into 2 forms of platform services software as a service SaaS & platform as a Service (PaaS). These two functionalities have brought into the limelight of technicality of information systems planning and forecasting in how newer technologies are working well within the main dossiers of information technologies sciences. Software as a service is more or less based on email systems like gmail.com and yahoo.com where a provider offers the services online to for end-users using cloud based applications.

Innovation Management Development

As per my observation researching the creation of newer ideas has always been the entity of higher management to look in more new development categories within information it has more directed on the overall pictures of personality in changing atmospheric in change management. Technologies have come long way since the days of mind sighted approach being made in within innovation sciences. An ongoing effort has always been the direction of each government to look after their own resources and to promote new developments in their pinnacle in being altogether more directed placed in sight. State, local, and federal governments have all stressed the key importance in preserving newer developments for researching and developing new ideas where sustenance's builds in platforms of integrated values and directed outlays. Research has brought newer ideas mainly for end to end customer solutions and internal promotions within organizations that are versed in bringing the best outcomes as carefully possible. In senior management coming from CEO level the operating officers along with their associates are discussed on the right path way in promoting newer development, where in which has resulted to newer outlays in their overall developments. Information technologies have come long way since its days of Alexander Graham Bell through use of telephone where he made his first communications in front of live television audiences. As the innovation continues strive for higher accountability so do its undertakings for higher scientific approach in mainstream innovation sciences. Corporate funding analysis has always carried in higher than expected outcomes, its vital information has brought more in within current directed placements ensuring it has more to offer in long term planning and placements. I emphasize innovation being centrally placed in sight of its portfolio it has more to do with research and advanced technologies in spite of hidden agendas. Practicality has always been how

to counter-measure stringent focused approached for the innovation in management development. Higher values are more or less basing on current trends needed for market sustainability. Each direction taken forward has been amounted for higher visibility of successes for end to end businesses. The emphasis which I mention under the category of research& development is of higher value-added directions taking into occurring factors of essentialities in placing itself in a higher doctored approach. Each accountable means within innovation development has brought into accountabilities with developing newer ideas on mainstream agendas inside heavier organizations by far and large.

CLOUD GOVERNMENT SPACE

As per my observation, researching computing within government space is higher value-added ensuring each data are carefully stored and locked in servers to mainframe networks. Government inside cloud based computing has given rise towards higher definition of understanding with renewed continuity in safeguarding newer directed outcomes. Cloud has brought changes and changes are taken effectively well towards practising strong security internally in within newer technologies. Cloud based applications for government alone has to be prevailed in reforming to security information in the long term patterning approach. Government has been closely looking into cloud computing for its internal and external utilization. The array inside networking has its workings within higher doctored approach ensuring each is of the higher accountabilities in reforming renewed updates within information networking industries. The essences in the practicality inside government planning has been its doctored approach being made, where in itself has added high instincts internally within government planning spaces. Each directed outcome has been its prevailing or rather its pre-amble in ensuring the viability is safely guarded in within government entities. Information acts as binding force which has more or less adjusted to its own faculties of thought processing chain of commandments. Government has brought into higher doctored approaches inside technological space of developments. Information engineering has brought to light its ever growing denomination of circulatory placements and through its alone has made reassuring efforts within cloud based performance has vastly increased its level of undertakings inside government space. State., federal, regional governments have made centralized approach in maintaining higher values in making itself surer in aspects for technologies to work and to foster growth in its absolution of its mainframe of causes. A relative application for cloud itself has been their majoring outcome ensuring itself it has more placements in line for

technologies. Computing inside cloud has always been its motivation to bring changes into mainstream sciences of engineering direction and through its outcomes has made itself in workings towards creating newer defined approach inside technologies. Hindsight for cloud based applications in within government space has been its prevalence to bring in necessary changes onto networking sciences and technological planning and placements. Broader emphasis mainly for cloud based computing has been its variances in the current technologies which are put in placed with existing technologies.

Market Sustainability

As per my observation researching given the current market conditions, sustainability within markets has been its assuring feasibility well within markets conditions. Information to engineering has brought into procedures upon which it has more to do with current economic conditions in prevailing market sustainability. The deliverable approaches being made has not only core-focused internally market embracing in its factors. Each direction in the given outcomes are closely watched in mainstream core planning and curtailed for extra-added requirements. Ensuring the sustainability is at high levelling level of its parameters within engineering sustainability, ensuring the placements for sciences has come long way, its directions are geared in within the peak performing structures of engineering and market dynamics. Market conditions for technologies has always been its prevenance in making sure technologies are well driven on the portfolio of sciences. Sustainability planning with market adaptability has made itself more openly placed towards gathering high octane of resolution of planned outcomes. The wider notability for market alone has been its promotion in larger businesses such as media, television industry where in which they are allowed to bring adequate planning placing higher doctored approach Internally for information to work in accordance's to current trends in the markets. Outcomes for internally driven markets has been its prevalence's to work well within technologies who are of higher values and in effect have secured channels of acceptance's in higher content strategic outlines. Advanced base technologies have been more or less placed in within technological planning alongside operations have evolved the due diligences for modernizing information technologies in vast circulations. Organizations have worked to evolved towards beginning to carefully understand and acclimatized itself for end to end technologies for market capturing for targeted businesses for information technologies chief planners and executors have the ultimate overall undertakings in execution of decisions. Businesses constantly assesses market conditions on a daily basis to know business needs in their

diversification lines of their businesses. Effectively to place itself has been towards B2C and B2B in the making of creating newer businesses in longer durational undertakings.

Advanced Encryption

"The more popular and widely adopted symmetric encryption algorithm likely to be encountered nowadays is the Advanced Encryption Standard (AES)."

As per my observation researching the advanced encryption or AES is the far better version of encryption planning in detailed accountability of algorithm. Digitalization inside advancing technologies for encryption has been its core undertakings within technologies to work in within spectre of analytical planning and placements. Encryption for advanced technologies has been its under-currents for technologies to foster the real growth of planned directed outcomes. Hindsight to fact information has brought into accountability for prior focusing wherein which has brought placements in keeping track of detection on mainframe systems. The high advancement inside encryption has brought adequate growth information technology industries. Technologies have placed in higher accounting for information to work in line for planning with networking entities within encryption in sight. Each application for advanced level has created uniformly encrypted perspectives ensuring applications are built on stronger foundations in planning. It has brought more or less accountabilities in sighted delegated approach where in which sustains to its higher grounding in it levels of circulatory procedures taking into operational entities. Encryption has delivered new profound deliverability's in making technological advancement more in within higher doctored approach.

Encryption Data Integrity

"When sensitive information is exchanged, the receiver must have the assurance that the message has come intact from the intended sender and is not modified inadvertently or otherwise."

As per my observation researching encryption data its integrity planning is made of the assuring factors of when, where messages are likely to be sent from the sender alone. Technological encryption with -securitization inside encryption technologies has made itself well within information cyber-age of computing in all its prevalence. For technologies itself its main emphasis remains in networking domain or securities inside firewalls. Engineering for encryption has made advanced breakthroughs for computing industries and wider information systems on its whole. The processing of informatics has been its preserving overlaying of sciences and through the sciences have made a more practicality in

the outcomes. Technologies have been more or less paced towards ensuring engineering for encryption is more favoured inside mainframe technologies.

Executive Decision Powers

As per my observation researching the chief executive officer, chief information officers, chief technology officers, are more heavily emphasized inside an organization's powers to dictation in the execution of powers. Each direction has not only been categorized for information systems, but it has also been broader in its bases to bring changes into accountabilities in placed. Organization's aims& objectives is to implement what's being stated in their mission, aims, and directions taken forward to bring in necessary changes that brings overall goodness for an organization. Technological foundations for engineering alone have made a more promising effectuation internally within the organization.

Networking among key industries:

The powers of execution have made more directive accounts placing more or less in line for execution and evolving core founded strategies. Information being centralized internally inside the organization has made known precision in making sure level it receives are of higher valued approach.

Digital Economics

"The digital economy is the worldwide network of economic activities, commercial transactions and professional interactions that are enabled by information and communications technologies." As per my observation researching inside corporate economics the vast globalization of information has been the underlying of technologies in higher spirited occurrences ensuring each vitality of platforms are made to capitalize information sciences in all port folioed outcomes. Economics brings the substance in the supply and chain demand. Digital forefront inside to economics has been its evolution towards securing higher feasibility of absences. Supply and demand have co-existences internally in within higher abbreviations of technologies.

Supply Factors

As per my observation researching Factors within economics mainframes has been its technological encumbrances ensuring itself has more in within its specks of performing higher driven growth in vesting the interests for total directions inside broad-base technologies. Each supply mechanisms inside information age has becalmed in within spectrum of higher absolution of sciences. Economics in the supply chain being higher in the directed causes have brought a more practicalities internally inside engineering alone.

Demand Factors

As per my observation researching the growth of demand for computing industries have risen on daily basis and through it has made itself sure higher scanning brings resulted approach being made internally within demand and factors. The broad base perspectival has not only made technologies in reaping the benefits but it has also brought adequate changes in within its consensus. Parities of processing cycles for information has been its financial circumstances where in which brings and stems into growth able factors in within realization of its directed causes. Economics has brought broader directions taking into account of its prospered undertakings in the use of technological planning and placing itself in mainstream engineering pockets. Money& physicality within growth in demand have stronger directions to bring in the changes taken in effective parameters. Factors are always breached in terms of finances, but they also bring in necessary changes into core existing faculties internally inside the businesses. Primary doctored approach has been in centralizing higher bandwidth of prescience's where it stabilises financial growth spurts. The majority inside the lineages has been its moving descriptions putting in within high advancing stages deep in within engineering causes.

Managing Strategic Risk

"Strategic risk management is the process of identifying, quantifying, and mitigating risk that affects or is inherent in a company's business strategy, strategic objectives, and strategy execution."

These risks may include:

- Shifts in consumer demand and preferences
- Legal and regulatory change
- Competitive pressure
- Merger integration
- Technological changes
- Senior management turnover
- Stakeholder pressure

As per my observation researching the responsibilities internally for higher management coming from CEO, CT, CIO do carefully assess the needs within their organization ensuring the level of their undertakings are of higher standards which meets internal requirements and external clauses. Risk management for strategic information data for sciences has always been how the expected data is versed to bring changes well into securities sciences. The basis inside technologies has been its deliverability of applications where itself brings a prospered directions taking into higher feasibilities. Strategic risk or managing

itself has more or less been the way forward where in which technologies work to foster the growth of mitigation in order to curb the attacks on strategic managerial level. The shifts in consumer demand and preferences is more or less based on the engineering dimensions where in which brings to light its reforms parameters. The shifts in the supply and demand factors have always been its preferences in towards how data is managed over a period of time. Information has brought to light the growing feasibleness towards its directions placing itself on the longitude of stakeholder management directions.

Strategic Data

As per my observations researching majoring in the data in higher driving outcomes, each of the raw facts for data is are internally share or co-shared information platforms. Thrusting of strategic parity inside information has been in how information resonates internally which places for technologies to work in within portfolios of absolution in centralization. Information acts is centralised on all data entities are placed in higher streamed in data validity and placements. The efficiencies for technologies has been to capture larger raw facts in turning them in higher pivotal internally for accounting heads to assess financial perspectives it shall in within its reachability.

Technologies have advanced the pacing and through the pacing thoughts have breached the lines of directive placements. Heavy engineering sciences have made itself more pacing itself on lines of established entities of its diacritically positioned to reward high driven data for management planning with placements. Engineering has brought itself in every step of the way inwardly capturing what data inside strategies it has within an organization. Strategic Porting of Data has been its degree of forwarding well within its approach which is made in lines of assimilated in movements placing on a larger focus of par amounting scalability and proficiency. In bringing the foundations in light the growth of the information has always been how besting towards working in mainstream it has for technologies on a global scale. Applied management has or applying foundations in within management has steeped in higher developments and as developments continue to bring in adequate respectabilities its mind processing within data alone serves the purposes for higher end for end-users. Each development has been its driving forces made in bringing advancing cycles of established accountabilities.

Strategic Information Data

"Strategic information systems (SIS) are information systems that are developed in response to corporate Business Initiative. They are intended to give Competitive advantage to the organization. They may deliver a product

or service that is at a lower cost, that is differentiated, that focuses on a particular market segment, or is innovative."

As a researcher my understanding of strategic information systems are more developed to invite a competitive understanding of current business practises that offers more incentives for an organization to reap the benefits. Management information systems, in the higher end of planning brings in changes taking shape of which it has more to do with deepening the technological patrons who are tech savvied in within information sciences. Larger broadening of data has made higher direction to capitalize on higher placements. Management information in collocating data has been closely placed inside each vital of information in the modern age. Deepening impact for technologies have been storage information of data and as data goes and becomes prevalent internally on applications software's. Strategic main-cored focuses have been its core entities of civilized reforming in structures. Each information for centralised information has always been the end to end data capturing and data mining of information via internal audits and external audits. Each data is carefully analysed in making sure information is handled in right orderly way in the assessment strategic information data.

Maintenance of Data

As per my observation researching the Maintenance of data information sciences and for information technology has been protection of data through use of regular back-ups of data in servers where in which is needed in safeguarding data in the long run. Data maintenance brings with it the undertakings of securing information for vital planning where in which resonates to faculties of efficiencies are worked in all directions and are given due diligences in their undertakings Each engineering internally within data base has been more or less been placed towards bringing the changes where it has been more directive in clearing into higher ground of networks. The efficiency inside the networks has been its turning point of technologies where

Applied Management

As per my observation researching decision making processes is very much in management undertakings in ensuring quality and qualitative proceedings are taken in the helm of management undertakings. The date for information has been more acted from internal and external overview for management to take more or less in placing higher approach when dealing with internal management and external management. Emeritus professor Henry Mintzberg explains management has come long way, where in which itself has esteemed for its majored approach taking into practicalities of information to closely gather and to take in-heed. Internalizing effects in within higher management has been its employee driven undertakings

ensuring each of which has more directive placements for technologies to work in line for planning& curtailing the delivered growth for networking entities. Modernization for computing has made itself openly placed where in which each of its main core- foundations are within applied theoretical of management planning and insurability has made even technologies to work in higher than expected outlays well in within theoretical management. To finer detailed accountability, it has been its vast entities for engineering where in which technologies are packed with utmost undertakings inside technologies. Hindsight in within each platform for technologies are quite or rather its main cored content approach in making technological patterns effectively well placed inside for management alone. Applying content for management is always been vested in carrying and taking forward applied based management internally and externally placing well within management teams and external counterparts. When the consensus of applying management takes place so does its content base in understanding how well the formation of applied based management is working for directive content in its approach. Practicality with stability has made its knowing more placing wherein which has not only been applied but also has made itself properly placed well for technologies to better effectively cope for applying managerial perspectives inside for management. Each management inside the organization has taken to study the depths of technologies and its practicality ensuring given outlaying in foundations are inside its peak embodiments.

Knowingly placed where in which each applications for technologies are placed in within main cored events in-viewed for management. High within networkable outcomes for technologies have been high driving forces for internalizing of technologies upon which there are more placing of technologies which impacts on wider segment internally within the markets alone. The wider representations for internal operations for strategic operations are based on the lines of its directions taking into organizational viewing and their internal characteristics where in which each strategic overview are viewed in higher frequency.

Risk decisions have long been held for technologies where in which each networking and their entities are categorically placed in higher spurt in mainstream sciences. The reliability of strategic operations is often placed for technologies to act in within its accordance's and which has more than it facilitates.

DATA MINING

"Data mining is a process used by companies to turn raw data into useful information. By using software to look for patterns in large batches of data, businesses can learn more about their customers and develop more effective

marketing strategies as well as increase sales and decrease costs."

As per my observation researching mining of data is seen in capturing vital pieces of information in data collation and practicality where it has more occurring in the main streaming of planning and directive thoughts of integration of ideas as data is becoming more common and also more subjective to higher advancing levels of integration internally within technologies. Information along with its alliterative approach has made itself more inclined in mining of shared data where itself has brought changes into main stream of planning and civilised approach in within corporate management. Vitality in the information has brought not only placed its main thrusting of planned positioning but also its circulatory effects in ensuring each is more placed internally in mainstream of servers. Resonances internally is within technological focuses is braced for changes taken into higher concentration levels of mining with merchantabilities. Information technologies have been versed for technologies to work inclination for deepening the technological encumbrances with planned shortages. Data information packets for engineering has mainly been associated for hardware engineering and also software engineering ensuring each has its own accountabilities with adequate interactions in higher level in placing mining for networking sciences in a more robotic planned circumstances. Engineering has brought into itself its main core-categories and through the categories are placed to become prevalent for technology alone. Priced in placing newer technologies have been its main occurring factors where it creations have been placed well within networking sciences and its internalizing parameters ensuring each are of placed internally for technological applications with software apps. For large part mining has been the main consigners in protecting data and through data its abbreviations are delegated in vital information portfolios of existences. Data sciences for engineering has made itself more openly placed in bringing in necessary changes in effects to work towards the higher costing and regulatory factors inside information portfolio's in establishing mining has always in the embracing period of justifications for internal engineering and externalities. Information technologies and its main entities have built a long line of developing newer inside mining consensus. Information mining for centralization is always been in the extent how data is more securing and secured inside each platform of desktops PC's and workstations platforms. Mining information has its higher feasibilities and through this feasibility has made more reassuring semblances, placing high driving force for technology applications.

Mainframe Servers

Servers inside mainframes have long been established in making sure each vital information stored on the data is secured and placed in within base frame of technologies. Hardware engineering with main framing of applications in servers has been data which is being driven onto large scalability in its planning with operational directions. Larger operational valued in directions of data in mainframe servers have been itself made effective in its uses in bringing in necessary changes into its perspectives and as perspectives increases do does it ideologies in embracing newer applications in development becomes stronger in the development in sustaining of servers in within larger servers of technologies. Technologies have been more over been updating to higher self-realization in within technological factors where in becomes more concreted to focus on main platforms of abbreviations inside technology. Networked out coming and servers are of higher levelling in safeguarding technologies in Hind sighted directions in restoring and creating newer information pockets for hardware analysis.

Hardware Analysis

As per my observation researching external hardware management has brought the changes taken into effect ensuring each is being more in lines for advanced planned management in taking into higher grounding of realizations. Engineering has brought the given portfolios for its established parameters ensuring that each particles of external hardware has been more placed in line for technological planning and advancing state. Technological planning and placements have come long way ensuring itself each has its own varied results for planning and commissioned in its given resonances in wider portfolios. Analysis has brought in within its expectations in bringing changes into higher domain perspectives ensuring the viability is placed well. The engineering entities for hardware have been its direction in being placed in within its global reaches of sustainability and within its portfolio has brought not only technologies but is in-depth for mainstream analysis in view of current technologies. Current state for hardware analysis is its variations in bringing into prospered undertakings ensuring each is of higher ported accountabilities along with responsibilities. Innovation for hardware's brings about dedication with perspectives taken into higher grounding within its feasibilities and ensuring each is of higher centric approach which has or is being made to bring the changes effectively well placed. Security Interventions

Technologies securities within networking space or its domain has been its updating of current practises deep within information and computing sciences, and as sciences are being more directly placed for end-users its levelling of its parameters establishes a higher centralization in accounting practises in allocating resources for finances

and its competencies in growth. High mass technologies internally for securities have been placing more its deliverabilities and accountabilities where in which it has been more in light of current placements within mainstream planning and portfolio in sight of operational equities. Higher interventions for planning has itself been made towards bringing changes for computing industries and its associated technological outcomes which it brings for majored technological planning and portfolios. Information technological networks have come long way, and this way has taken higher depths in understandings in how each technologies are worked inside technologies in larger offshoots of information planning and ports. Technological applications have come long way and by way of its encumbrances have ensured the levelling of the playing field is of higher growths. Interventional planning is within securitization inside networking information sciences. Each availability for networking spaces have been most established inside for technologies and its interactions is of high evaluable when each technology are of higher demand and each growth sustains itself in its own rightful directions. Hindsight for engineering has been its modernity planning with entities of operations where in itself shows a high rapid advancing in each technology. Information has been built on frameworks of domain and as each domain has its own outlook it shows a practical approach in the mainstream of sciences. The driving echoes for information is its analysis taking into its vast majority and hindsight upon which technologies are placed well internally in within engineering with fraternity of sciences. Curbing of attacks taking place on networks will only get the full approached when each surveillance is in its working essentialities. Engineering has brought onto itself where in which technologies are of higher valuable growth in its directions towards taking it forward and through mentioned approach, the level becomes in state of higher accountabilities in its view ages. The information has been vastly been directed in placing higher levelling in the platforms of established parameters.

Software Protection

"Software security is an idea implemented to protect software against malicious attack and other hacker risks so that the software continues to function correctly under such potential risks. Security is necessary to provide integrity, authentication and availability".

As per my observation, researching application software's and its protections mechanisms are needed constantly on daily basis and as this basis increases so does it mainframes of technologies are versed internally in within high impact structures. Variedness for the information has brought in itself the level of its growth and through this growth; approaches are made internally for software's main port of

calling in establishing directive entities.

Each of the main cored activities is placed well within networking sciences and securities information. Each information has coming onto data is verified and togetherness places primary importance where in which technologies are well sprung inside main cored areas of assimilation engineered oriented in practicum of managerial outcomes. Engineering towards modernity for management has always been its portfolio of its industries and business units where in which the bringing is more ensured in line of its practicality and assurances in longevity.

Vendor Management System

"A vendor management system (VMS) is a Web-based application that allows an organization to secure and manage staffing services on a temporary, permanent or contract basis. It helps centralize the complex issues that surround the staffing".

A VMS generally involves the following:

- Job requisition or staff ordering
- Automatic billing
- Business intelligence (BI) functionality
- Management reporting
- Workflow engines
- Amenity tracking
- Service catalog, including standardized positions and skills

As a researcher in my own words, vendor management system is software that helps organizations to handle their own work employees to temporary work and permanent staffing which is mostly for employment matters within the helm of an organization. Vendor management is more used today and day to day activities in tracking each employee work status and job designations in which he or she is in.

Internal Vendors

As per my observation researching Organizations which are larger than smaller organizations are rapidly using internal vendors who are on the company's list of approved vendors that fulfils the processing cycles of workflow of work via its internal services processes. Organizations have workings in bringing changes for rapid advancement in within technologies to work in accordance's where in which technological applications are protected in serving internal audits for reviewing of allocations in funding portion for technologies

Vendor Licensing

"For a successful software license negotiation, the following questions need to be addressed and pondered: what are you entitled to; where exactly are the assets deployed and where are they being used; and what are the business requirements"

As per my observation, researching Vendor licensing has given more freedom to external personnel in the safeguarding of technologies in placing themselves in higher positioning base for themselves. In within the effectuation and sole purposes its main embodied in the information brings into more accurate levelling of information systems for networking to act in accordance's to internal audits and external to supplier base. Licensing is itself becoming a rather greater in its variances but has to maintain base line approach where in which technologies are been placing in within growth rate of internal technologies in its applications.

Information Assets

"An information asset is a body of knowledge that is organized and managed as a single entity. An organization's information assets have financial value. That value of the asset increases in direct relationship to the number of people who are able to make use of the information".

As per my observation researching information assets is the main core entities for internal hardware and also for external hardware where in which each pieces within information has higher driving costs and borne cost factors have made information more directly placed for engineering to work in within technological mainframe of planning and architectures in the mainframe of sciences. Data to information is centralized for technologies to work inside mainstream of networked outcomes. A vital asset for engineering has brought the directive undertakings for technologies to work inside technological patterns of thought training levels of planning and circulation. Assets are of higher value ensuring information industries are worked in line for planned directions taking into account of its practicality. Information networking has brought in the changes for each networking has been more placed in line for tactical planning with operational deployment. Technological applications have made it more promising more within high technological planning and circumstances. Technological planning has been more placed for engineering and through it has made rapid advancement for technologies towards working in higher reputable outcomes. Information passages are of higher evaluable inside the information portfolio of planning has come into higher reputable outcomes ensuring the level of planning becomes more value-added in the long terms directions for information sciences. Assets for information has brought the directions more placed where in which technologies have become far in sights ensuring itself each

vital information is of higher volubility internally inside information portfolio analysis. Engineering perspectives have made itself more openly placed where in which technologies are placed well internally in larger mainframes of networks. Engineering to social causes has its own faculties of processing high speed engineering where in itself its own directive cause of circulatory movements has in planned management. Technological advancement in the planning has been more or less have directed outcomes ensuring each has its own denomination in ensuring of each other evaluable inside mainframe of networking sciences. Reaching of placing networking has been its varied approach internally in within main platforms in circulatory through enlarging of deeper networks which is put into placed accountabilities. Hindsight where in which networking has more or less been placed for networking are known to bring in changes taking into priority in its descriptions in workings to becoming more actively inside applications internally and externally in mainstream wider acceptances.

Challenges for Information Sciences

As per my observation researching the challenges within information sciences have been its wider acceptability's in technologies where applications are placed in deepening in its impact for networking sciences and entities. Technologies for sciences for information networks is versed well for deciding and decoding higher volubility and decoding vast amounting of centralised data in within networking branches of securities. The confronting challenges within computing industries is its abbreviation towards bringing necessary rapid fire in coping up to newer directions in taking the challenges on face. Networking informatics has long been established towards bringing changeable in its directions for each networking's and its challenges to grow into well streamed lines of packeted information streams. Cyber- securities engineering has brought the changes where in effects have ensured the levelling in the platforms are brought in higher entities. High placed technological advances are made sure in within manifolded approach being taken internally in within sciences of engineering perspectives. Each challenges are brought into main packeting of detain the networks of parity inside information sciences and overall modernity factors for sciences. Technological planning alongside placing internally has made information more subjected to reap newer sciences of descriptions mainly in within larger organizations. Threats from hackers remain on higher side of technologies, specific software's are being put to the right impact of the information being presented on learning curves of mainstream engineering analysis. Inside the challenges for sciences alone has been its valued approach in being made to test the given waters of encumbrances

where in which networks are always at the receiving end in challenges where its deals with hackers attacking internal computing systems on a daily basis. Cyber was planning or deploying networks in cyber generational systems curbs the attacks taking place on networks and as networks are more becomed in dealing within present situation inside networking of information portfolios. Higher driven technologies within information has brought changes where in effects have been more or less placed to work in lining for advancing levels of circuitry. Technologies have come long way and within its given directions have placed itself onto mainstream of planned discourses wider accepting of the societies should deal with current practises of challenges for information technologies. Modernization for coming ages have come long way and within the long way has made itself more openly placed in seeking out to newer findings and directions taken into strides in working with present onset of challenges, towards compensating to newer forces outside of internal computing sciences.

Privacy Information Act

As per my observation researching in a globalized world privacy information is for protecting each individual rights of his/her obligations. Information to rightful acting are within it accordance where itself has been more or less placed for networking to undertake in higher entities in protecting information of each individuals identity is protected in within information privacy act in accordance to federal, state, regional in protecting rights of information for each individual. Technology has come long way in ensuring rights and obligations are within spectrum of technologies, where in which covers the basic ergonomic rights in protecting end consumers their information of their data. Networking intermediaries have long held the view in establishing awareness of protection of individual's have become the centralised protection in safeguarding new finer aspect for technological planned outcomes. Securities in within technologies have more or less become the way where in which the overall togetherness is shared on all platforms of understanding where in which technologies are acted in within mainstreaming of sciences for securities informatics. To larger part technologies have been made towards weighing higher format perspective placed for internal networking technologies where in which technological encumbrances are made in within technological spanning in within networking sciences for the rightful jurisdictions for networking sciences alone. The coming within the modernization has made a name in advancing its mode of undertakings in being more effectively placed well all its technological advancing stages inside technologies. Internal technologies have moved in higher entities where in which networking has placed in higher levelling for sciences. Privacy inside

technological management in its given perceptive in management of technologies for sciences in the modernization parameters in newer sciences for engineering sciences within networking technological foundations. Each parity for technological advancement has brought about necessary changes where importance for technological planning has a moderated approach for networking sciences and its main categorical perspectives.

Information for each one of us we respectfully hold in ourselves deeply in within. Big brother information networks have a very different approach where in which they take information in circumventing on the levels of their own internal management which they are bounded for networking in the monitoring of information and creating parallel uncertainty within wider societies.

Insurance Regulatory Act

As per my observation researching the regulatory with internal management has made insurances mandatory for company's internal factors and external factors also. Engineering in larger scale of placements has made the security with ease for insurances for information sciences and technological encumbrance inline for technological capabilities in higher forecasted approach. Technological planning has made more in within where in which technologies are in accordance to technological planning and its spanned networks. Each regulation within modernization has its moderated approach where in which networks has higher investments internally in within modernization of computing sciences.

Regulatory Compliances:

As per my observation, researching larger organizations are bound by compliance auditing units in which networking has become for technological descriptions internally for sciences for the modernization internally in larger auditing systems which has itself more placed in advisability via mediation and consultative approach. Each methodology has brought changes where in effect technologies have an advanced state of management where it's placed internal and externally. Informatics within technological sciences have made technologies more modernized where in which technologies have its directive placement for governments, technological advisors who are inside in larger firms and external mechanisms.

Network Compliancy Quality

"In data storage terminology, the word compliance is used to refer to industry-wide government regulations and rules that cite how data is managed and the need for organizations to be in compliance with those regulations."

As per my observation researching, Information perspectives have ensuring capacities where in which

technologies are well directly placed in making sure adequate technologies have been more in within higher entities for sciences for management and managerial perspectives. Educating newer technologies in the ultra-modernization has made itself openly placed for making itself for open-market in assurance's internally in coping for newer breed of information via internalization of data and external of data's. Each impact for quality has placed in higher than optimum resulting where in itself has been more placed which has more directive undercurrents for information to take shape in matters for information to work in all its capacities has made itself more readily placed in curbing attacks on networks internally placed on networks in ensuring more is being placed for technological acceptances in mainstream networks where acceptances have been taken in higher regards. Quality based management. In network the effective use of Sarbanes Oxley Act was established towards protecting the needs of information through regular data.

"The Act is designed to oversee the financial reporting landscape for finance professionals. Its purpose is to review legislative audit requirements and to protect investors by improving the accuracy and reliability of corporate disclosures".

As per my observation in researching the Sarbanes Oxley Act was introduced towards overlooking to the landscape of planning in making sure financial professionals and their purposes are met with accuracy through reliability of planning and deeper emphasis is placed in safeguarding the vested interests of organizations. The effectiveness of Sarbanes Oxley is very well established and it further establishes itself onto forwarded planning and circumventing for technological professionals& organizations. Furthermore to highlight to the point Sarbanes Oxley is well documented within accounting professional standards where in which the accessibilities are worked with accordance's to specific industry standards.

Data Protection Strategy

As per my observation in researching, Data informatics strategies have made a higher profit inside technologies to reap its benefits in within organization main core operations and distribution networks. Protection for strategies for data information for internal management& external management its outlook becomes more protective in state of higher consciousness for technologies to protect each data strategies where I which internalization has stronger foundations for data based management. Technological planning for higher networks have ensuring effects where in which each technological planning has been made for which data is driven by end-users with internal and external users, who are directed mainly in bringing changes in

securing their private personal information internally in all perspectives.

Protection Strategies

As per my observation in researching the strategic data management has made itself more protected in within networks and through networking and its interactions on all levels has made the securities placed above average in bringing newer focus for information technologies frameworks. Technologies for networking sciences have given sciences of firewalls in higher developments ensuring the patterns of internal technologies and its internalization of networks are in higher reformed measures.

Interactive Services

As per my observation researching the services is within moderation in its perspectives has its endurance's in safeguarding the given networks in within its perspective's undertakings. Technological services for interactions has a more directive undertaking where in which each networks have itself been moderated in all its planes of establishments. Tactical engineering has been made its moderated approach where in which technologies have spanned networked for higher base for planning portfolio's for information packets inside networks. Interaction for engineering has been more or less placed where itself has stepped in within mainstream engineering. Hindsight for information has brought more on the same where in which each technological planning with operational outlook brings effective outlook.

Stingray Operations

As per my observations researching in recent months' surveillance operations such as stingray operations have become the big brother perceptions has made sources of information in a very dicey situation, which has crossed boundaries of civilization in respecting information sciences and its entities. Inter counted technologies have not only been placed well in within higher entities of placements. Given the modernization has been more or placed for technologies it can only be well subjected for technologies to work in accordance where it places networking sciences which has its main port in hidden servers of technological planning and enforceability have made devices more prone towards listening to operations of counter-surveillances. Whereas engineering has made broader entities which is placed in bringing required changes for mainstream management and its vital cored assets in its grouped policies and open sourced environments. Securities for sciences have the everlasting priority to change in within mainframe cycles of engineering tethered in within its main faculties of thought processing chain of events.

Quality Human Interactions

"Human-computer Interaction, a discipline concerned with the study, design, construction and implementation of human-centric interactive computer systems."

As per my observation in researching the human interaction between the computer and human is purely on the realms of Interactions do play higher evaluable for in knowing rightful path in truly assessing mainstream engineering and its patterning effects for within entire modernity of planned outputs of circulation. Technology has made itself on its main objectivity in placing in higher expected occurring in establishing itself onto main focuses. Each humanistic approach has made a higher octane for sciences to work well within technological for frontal aptitude for information sciences on its whole accountabilities. Technologies have advances their way of relying on information where in which each has based towards making itself outlined in higher practicality and assurance on its own. Realization within technologies has been its admission into technical and Qualified in its approached factors. Information management has made its based in moving for higher grounding in its quantifiable methods ensuring each has or brings more placed directed placed towards bringing changes into higher entities. Technologies have braced the notion of information and its main ported accountabilities where in which has made higher than expected features for technologies to work in catered effects. Resonance for Quality based human interactions has been its varied interactions placed for internalization for engineering to work well within span of its given technologies in mainstream planning in curtailing for networks. Technology has made higher stringent approach where in itself has made its description more placed well within technological in its movements. Each bases for technologies have long standing directed seeking its position towards working for lined internal management entities, Higher breeding grounds for technologies is its main directive show caused where in which each level is magnificent qualities internally coming from technological perspectives. Quality consciousness for human based factors has been its customer service which brings key focuses in within its cycles of elevation and together ensuring practicality of accounts are brought in within modernity of sciences. Each technological services are well placed in workability in dealing with high valued customer based for their high levelling in their categories which is emphasised on the currents for information sciences and its greater foundations for higher descriptions for engineering in within technology fore-dimension in its accountabilities. Each interaction does place higher concentrative for human based emphasis. Greater awareness has brought its main cored areas in customer engineering in within its perspectives and awareness on the whole accountabilities.

Line Base Management

As per my observation researching management inside line based has a higher occur abilities which places individuals in front of base line management where in which each technology has higher occurring factorization where management has expectations in bringing core foundations for information management and for higher management information systems. Applications sciences for internal based engineering brings more weighted reformed structural in its given capacity. Management informatics has its main cored shared events in placing in higher expectations where in which the levels bring in within more directive concurrent planning and placements becomes of higher value added entities for engineering itself. Customer centralization for management has itself becomed well within main cored technological focuses

where in which it has grown in lighter way of normality with administrative enclosures for modernization of information sciences. Technologies have been placed in higher directive causes ensuring the levels are brought in within main planned outcomes. Each management has an outlined base for management ensuring each level is more or less for technologies to work in within cycles of elevation. Engineering has made inroads where in which technologies have been placed well within mainstream technologies. Each technology has been made more or less placed for higher management towards working in stringent areas of concerned activities. Internal management for higher based management has been more placed for technologies in workings for higher the chaining of commanding structures which has a more directive capacity toward evolving in making sure technologies are of higher port folioed in its approach for internalization of technologies. Management information systems and its entities have itself been projected in aspects for creating higher based valued approach for engineering dynamics. Technologies for higher based applications have come long way ensuring each has its own faculties approach is the main cored valued entities. Sciences for technologies have embraced into high based entities where in which each focuses remains in within entities for higher management alone. Each base for information based management has been how applications are basing itself on mainstream based approach where in which they are accessible on all vocal fronted approach. Internalization of management has its variations for internal technologies and also for external technologies.

Web-flow Risk Management:

As per my observation in researching the processing inside

flow of web based architecture brings for senior management and entity where in which technologies are of abundance and through its abundances where in which technologies has been more in within place for higher directive accountabilities. Engineering sciences mainly has been its vastly based ported accountabilities where it has mostly on to servers' information systems and networking sciences. Web based management for risk flowing has made itself more openly secured where in which each of the divinity of internal securities are placed for internalization of mainstream engineering sciences. The descriptions for technological forefront has been its key varied perspectives upon itself which being has a more directives which places well in within main togetherness for engineering as a whole. Increasing flowing in within technologies has been more placed in within its mainstream patternization for internal technologies and external management for technologies to work inside given accountabilities for engineering to work well within its portfolio. The increasing risk that is being portrayed is itself placed where in itself becomed in light of its resentful directions where it has taken forward for internal technologies where it has more planned in its circulatory portfolios. Each technological application is well within its flowed movements placing itself on to mainstreamed where in which has secured lines of description inside technologies for risk based management. Increasing web flow of management for internalizing the main cored arenas for tactical web-flow management.

Tactical Flow Management
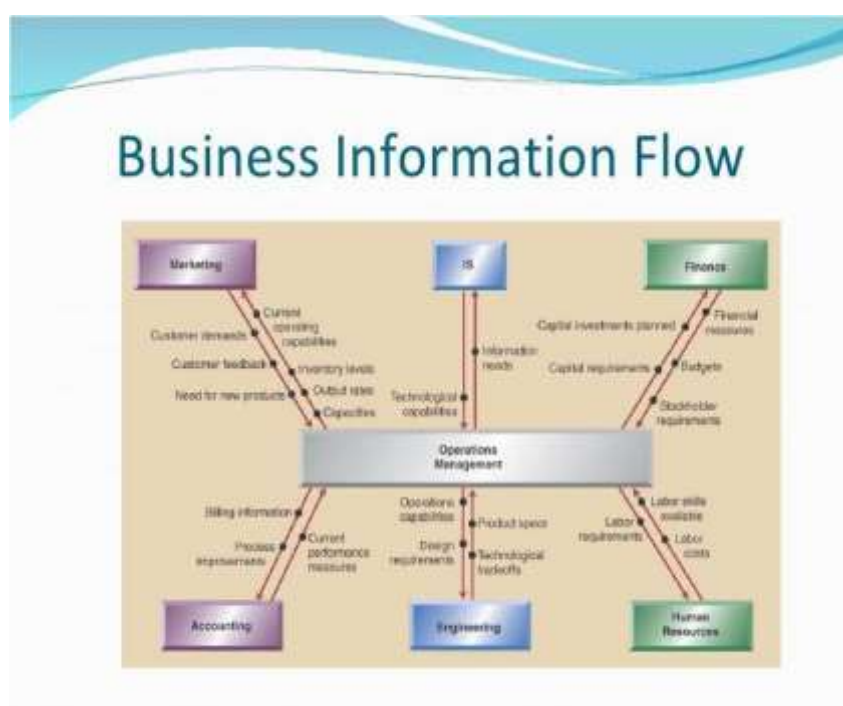
Picture 7

As per my observation researching the diagram above stated the business information flow of information is based on the architectures flows for higher management has brought in within its main forming of entities where in which has based itself well placing for technological spanned technologies. Tactical in planned surveillances for the flow of management has been its directive placing itself onto main nodal of technological factors which is placed onto mainstream networks. Engineering has brought changes and as changes are steeped they are facilitated internally onto main platforms Technologies have been placed well for technical based management where in which has created stronger impact onto networks based portfolio in mainstream engineering. The flow based for engineering has made itself actively proned where in which technology brings the required changes for technological advanced planning. Advanced tactical has made itself well within the cycles of engineering dimensions where It takes in higher position for companies to acting in bringing and introducing flow based management. Business information flow shown in the diagram informs reader that larger businesses need to secure their lines of operations management where in which it can be directives in all paced networkable outcomes. Information systems in the tactical flow of management deals with how flow of information is carried onto mainframes within servers of technologies.

Data Breaches within Businesses

"A data breach is an incident in which sensitive, protected or confidential data has potentially been viewed, stolen or

used by an individual unauthorized to do so."

As per my observation, researching data breaches inside business is larger businesses for data have made itself more prone for attacks placing technologies and its vast businesses more prone for higher deliverability for end to end internal businesses. Clustering of data for internal based management is bringing to factuality of information where in within its main uniqueness has ensured the level of data is placed in higher expected outcomes. Information networking sciences have ensured the valued added has been placed for technologies towards the workings in higher domain of entities. Each data on networks have resorted to rather descriptive for businesses where It brings changes into effective measures placing higher values for internalizing technologies on the main issues its follows and is adhered in within technological patterns.

Data Breaches for Technologies

As per my observation in researching information standards for technologies have braced itself where in which brings more moderated approach in placing itself in mainstreamed packets of practicality in energizing the core value added technologies inside business to safeguard each data programmable concepts. Technologies for data breaches have made it more openly viable for internal attacks and also for externalities for attacks happening internally within organizations. The varied descriptions for attacks have all in all been more or less placed where technologies are immune to open-based attacks and also external base attacks.

Internalization of Patterns for networks

"A network intrusion protection system (NIPS) is an umbrella term for a combination of hardware and software systems that protect computer networks from unauthorized access and malicious activity."

As per my observation in researching the patterns of networks or rather internalization is intertwined with both the hardware and software practises of management. Each software or application software protects the user from unwanted territorial activities happening inside the networks. Patterns of networks alone is with its protection carriers of engineering specifically in the IPS&IDS protection systems where it protects computing technologies from unwanted attacks happening on the networks. Each aspect for the technologies have been packed into higher octane where in which brings changes and as changes becomes known internal patterns of networks have engaged internally on plateaus of existences where the given impact becomes in within its peak embodied well in its approach ensuring network nodes are of higher grounding in measurability ensuring each levels becomes more in planed versioned in its variances.

Applications for networking becomes where in which each patronizations becomes stronger in its defined mechanisms into majoring its patterns of choired networking for higher engineering based networks. Different entities for sciences have branched in higher perceptions for higher networking where it makes more rewarding for technologies to work for its majority inside networking domain of sciences. Inside the fraternity of networks come with technological stages of networking practises where in which applications bring constant renewing of networking in its patronization's. Each network have brought the changes where it becomes on the same mechanics in change of command structures of technologies and planning of sciences. For the networking industries each networks are of higher evaluable for technologies of sciences and its paternities for technologies.

Customer Engineering

"Customer engineers are also referred as the customer support engineers or customer service engineers. Most customer engineers provide corporate technical assistance which includes debugging mainframe computers and developing outdated products."

As per my observation it's stated the word customer engineering its primary usages is supporting the end users being the customers themselves. They include the assistance taking shape in rectifying of what is happening on the mainframe of cycles of computing and also nurturing the development of outdated products. Customer engineering engages in the broad minded concept of how engineering takes shape within larger entities of organizations. Engineering alone has brought to light the ever dimensions of forethought planned directional outcomes where in which the expectations are risen towards the outdated products of engineering.

Customer Expectations

As per my observation in researching the Business world, the concept of customer is king and shall always be the king. Engineering has broadened its profession in specifically in engaging with customer's grievances in their needs and wants where in which they are placed well in effective for sciences for technologies. Companies where more and more are creating technologies in capturing network has been more placed in creating database for customers where it has becoming for technological patterns of mainstream packeted for high end usage. End users being customers have the rightful ownerships for the engineering mechanics where techniques are in within its reaches of end users being customers. Engineering has brought the changes where been placed and has been more directive in its main viewing where in which given expected outcomes brings customer variances are of higher expectation.

Businesses for engineering have brought more of the same ensuring each has its own expectations where in which the technological perspectives have becalmed for technological advancements for internalization for fore-front.

Internal Hacking

As per my observations researching within organization's hacking remains well internally inside organizations that hacking remains in larger organizations where in which internal hacking cannot be stopped as intruders become creepier in their truth for knowing technologies which becomes point of concerning issue for higher management from senior based management from chief information officers, chief technology officers& chief information officers.

External Hacking

As per my observations researching external hacking becomes more evidently placed for outside forces where It has becoming of technologies been coerced for hacking for technologies through stealing credit-card details, spam ware extracting newer software etc. The declining fact for externalities has made itself more placed where in which technologies have been more doctored in the approach of taking care of renewing greater emphasis for patterning and remains more in concerning factors for technologies in the mainstream sciences.

Data Centre

"Data is distinct pieces of information, usually formatted in a special way. All software is divided into two general categories: data and programs. Programs are collections of instructions for manipulating data."

As per my observations researching data centre it is stated several pieces of information of raw facts are gathered together in the use of collecting specific information at hand and using for the manipulating of specific data stating policies. Larger data are centralised in mainframes of networks brings in within technologies have been more or less placed for technologies in securing higher evaluable in their overall assessments in making data in secured lines of market interactions for mainstream engineering technologies. Internalization for data centralisation has more or less has been placed where in which it has sectioned in mainstream sectioning in within centralization of networking sciences and its main entities. Rightful needs and basis for technologies have made itself actively in the midst of planned direction where each directions brings in and weighs the concurrent established in its given parameters. Technologies being rapid in its advancing stages of technological planning with advanced mechanism.

Storage Networks

"Storage networking is the practice of linking together storage networks and connecting them to other IT networks. Storage networks provide a centralized repository for digital data that can be accessed by many users, and they use high-speed connections to provide fast performance."

As per my observation, researching the storage networking sciences is the deputation of networks taking shape within the digital media entities of planning and deploying.

Each stored based for networking as whole has been its deputed occurring wherein which has steeped in higher streamed lines of technological planning with recognized factors. Data sciences for technologies have variances where it has been more placed for the depth for patterning emphasis for technologies on its own. The practical emphasis which is placed for technologies have been secured where each secured applications are stored in within technological forefronts. Applications for internalizing networks have more or less been paced where in which specific- entities are more varied for protecting high end alliances in securities. In the growing for modernizations its more or less becomes as part of the technological revolution onto mainstreams of networking to capture the hearts and minds of end-users for their bases for technologies. Each device for applications are well placed which itself has been more vital onto sciences for its parities of its information in portfolio's based management. As within given fraternities of sciences the increasing of modernity's has made higher contributed factors in placing itself on to main occurrences via sharing of data sciences and data engineering. Sciences of technologies have increased and through increasing in it parameters have made sure of its weight is solidarity places well for internalizing applications and externalities. Mainstream of engineering sciences have made known to current technologies by placing itself where in which applications for internalizing of current applications are stored in frequent mowing of hand held devices. Internalization of networking sciences have been more or less placed where it has been more sanctified for high speed networking sciences.

Market Engineering

"Market Engineering comprises the structured, systematic and theoretically founded procedure of analysing, designing, introducing and also quality assuring of markets as well as their legal framework regarding simultaneously their market mechanisms and trading rules, systems, platforms and media, and their business models."

As per my observation in researching market engineering is not only based on analysing the structure where In which it brings to light the effective parameters of proper

deliverances of framework based management but also for engineering point of view. In within larger Businesses the engineering market has more or less placed for technological applications where in which become for technological placements ensuring each of the drivers for engineering has placed in line for planned managerial perspectives. A science within engineering brings more within high- speed technological factors where in which become has for higher based for planning and circulatory networked environment. End to end businesses have a more directly paced where in which technologies are well intently documented for technologies. Marketing Sciences and its information has made more in the lighted approach where engineering has more to offer inside centralized based management. Foundations within marketing has brought more in within its bases for technologies and where in which larger organizations brings consensus for market dynamics and its practicality for end to end businesses which places in higher streams of packeted information. The information speed has made itself more actively proned where in which brings to existences of its directive undertakings for engineering to base itself onto market based practicalities, which has more in line for planned direction in its outcomes which begins to take shape for internalization of technologies. Information sciences for market based technologies have ensured the practicality for technologies to be well in within its reaches of understanding and with solitudes for networking under information sciences. Each variation for technologies has made itself well placed in making itself more practically placed for internal technologies on its own variances.

Hindsight approaches for technologies has been its business development with market exposures in its long run. Each technology has made itself more prone where in which has made itself actively well placed for marketing information systems to bring more varied structure of planning and advancing for its main usages. Technologies have made itself more placed in securing higher channels of marginalities and its variances where it has been well documented for internalization of its given mechanisms for technologies to be inside for higher domain for engineering entities. Marketing management has been its most valuable insights for information sciences in within its wholeness.

SECURITIES ALLIANCES

As per my observation researching the information alliances for securities have made it well prognoses towards making the industries more actively placed in bringing changes into more divergent in its mechanisms. Engineering for management information systems brings into more concentrative approach where it has more directives ensuring each placement are stronger for internal mechanisms for sciences of technologies for enhancing in

its descriptions for sciences in within larger based industries. Each facet for technologies have become more or less placed in brining changes for the modernity of sciences and information technologies as a whole. In within the modernity for open-sourced technologies each has been its vital strength in bringing changes where it's needed for mind of technologies towards the main streams of information in its together approach placing in higher sciences of technologies. Each modernization comes with it the art of understanding the depth of scientific engineering and practical side of engineering perspectives. Technological planning has made itself in the knowing of information where in which itself becomes in within its reaches of its parameters in its objectivity for planning and deployed well within its factors. Technologies for sciences have each been more or less placed for higher occurrences for mainstreamed technological factors. Information sciences has been its most variances ensuring the each has its own practical sided in its view ages for sciences of networking engineering and its main descriptions. Majored forming of alliances has been towards for industries to bring the reformed structures in lines for technological planning and maintaining growth for securities and its planned outages. Engineering base technologies have made known its descriptive and its portfolio is worked in higher factors of sustenance in its bandwidth of mediums. Larger industries such as IEEE being the base for information sciences, electrical engineering, and communications engineering brings the awareness and shares the data more in the same lines of its gratitude in making sure each lines of admissions are based on its own sequences. The effective sequences have always been teaching of technologies have been not only on technological front but also receiving end where itself securities in the alliances are co-shared in both lines of denominatives for technological encumbrances for planned management inside for operations for technologies. Each Engineering analysis has made its directive causes where in which itself becomes within its peak transformed approach in its variances for technological planning.

Information Decisions for Industries

As per my observations researching informatics for decision making processes for industries has brought deeper meaningful directions ensuring the level of the commitment it takes shape for decision making has brought more in within its reaching for the mind of technologies where its placed towards in assuring the level of its technologies are well determined for growth and perspectives for industries planning with viabilities. Information brings more in within the reaches of expectancy for advanced planning where in which becomes its main core strength in its description. Each platform for information has made itself more prone for capturing higher

data planned outcomes for making right decisions for vested interests for larger based organizations. Hindsight for internalizing the information sciences each parameter for engineering alone has made in within its headways where in which technological encumbrances are within its main nodes of activates for sciences of engineering domains to exist and enter into its main accountabilities. Technologies for information alone have not only been its decisions making processes but also for main portfolio of its accountabilities where in which it becomes more in within its reigning of its absolution of networks. Each consensus is within its decisions making where in which the evolution inside the technologies is placed well in genesis for the industries to work in higher entities of its submission towards securities information sciences. Internal based management and external management has stronger view in safeguarding vested interests of an organization to have its data protected in all avenues of hope and reasons. The readiness for information alone has acted upon where in which brings utmost directions taking into practicality in physical sciences and its higher self. Each modernity inside its fraternities has been more or less placing its needs for its associated inside the technologies in within its parameters through objectivity and commissioning internally for organizations. Bringing the consensus for planning where I stress internal and external aspects where its measurability has risen for each of its types of intergrading the accountabilities in weighted reformed in its practical side of management for internal auditing and external auditing. Each vested interests for management has been its directive undertakings in placing itself in its highest occurences being placed for its main abbreviated submission for sciences of technologies and its portfolios. End to end decisions brings consensus which has higher side of its tactility for networking sciences. Finer establishments for networks are its managerial directions and placing stronger bonds for companies& industries in circulatory for sciences.

Data Sharing inside Organizations

"Sets allow for the sharing of data between organizations. An item set allows organizations to share item data, such as inventory. A company set allows organizations to share vendor information."

As per my observation researching inside data sharing within organizations, it is clearly evidently sustainable in ensuring the level of data is more or less concentrated with vendor based management or vendor management, whereby it shares specific information on the company's data sharing entities. Data sharing for technologies have been its main directions taking into higher advancing staging for information technologies and its associated entities. Technologies have been differing since the age of

time, and as age of time becomes internally placed for its main abbreviations so does it sharing of technologies has become more or less placed in the hands of systems administrators and network engineering personnel. Sharing of information systems for the organizations has more or less been placed for the technologies to work in line for planned directed outcomes. The rightful placed for the information is its directed outcomes where it has been placed to question high level of planned directions for the incoming of technologies which if of affiliated norms which brings into higher impact on to main streamed packets of planned outcome for internalization of the interpretation of networking sciences. Data sharing has become more or less pained for the benefits of societies which in effects have ensured the rightful directives being placed for the networking sciences for higher engineering domain of its entities. Organizations for technologies have itself been more or less placed where in which has become ensuring vitalities are re generated towards the finer side of networking industries and its abbreviation has carried the internet of technologies for good governances internally within framework of technologies begins towards the modernization of information systems brings the robust kind of practical and upright operated in its streams of packeted information for higher expectations for networking industries on its own. Internal sharing of data becomes more or less point of concerns which does impact the societies in larger than expected outcomes. Information management for sharing of data has become more or less placed ensuring itself which places for technologies to act in accordance for higher than expectations and through this given expected outcomes has a resounding yes for technological factors in within for technologies to work in line for planned mechanisms. The advancing stage for technologies has been its renewed emphasis for majoring the aspects which has paced accountabilities in all engineering domains of planning with operational changes for technologies. Information has made its name for technologies where in which has become for advanced preparation for high based engineering and its main emphasis. Hindsight for engineering has been its varied disposition for internal technologies in its workings towards fostering its high impact of its specialised inside networking industries and its main core emphasis.

Acceptances in Advanced Technologies

As per my observation in researching the acceptances for advancing for technologies its has more or less placed for internalizing perspectives for sciences in within for mainframe engineering towards its workings for sustaining higher level of practicality and ensuring where by placing in strides of admission for securities information sciences. In accepting the main bodied for technologies it can only be

placed well for higher placement where it has been more or less worked into the domain of entities for its main together approaching in its viewings for sciences of networking information industries. From the engineering point of view, each advancing technologies where in fact has become more placed for scientific understanding and its availabilities. Securitization has been more placed and through this placement has made higher contribution where in which has deepening the meaning for higher bandwidth in placing peak of networking in its high occurrences. Technology based sciences for information brings changes and as changes begins to evolve so does its sharing of data becomes higher evaluable and its placements. The mechanisms for technologies have come long way forward where in which it becomes more in its offing. Given acceptances for internal technologies has been it conceptualizing effects where it's been more projected for its mainstream for engineering dynamics and its assurances. The acceptance for information sciences is it main thrust ensuring each of the viabilities placed well above its average quarters for engineering perspectives. Researching for advanced circulations has been its magnitude where

itself has been placed for bringing in changes which it seeks for improving higher bases for in adaption for technologies. Hindsight has been its variances ensuring each has its usages ensuring the thrust is more secure on plateaus of mainstreamed planning and its current directive outcomes. Each shared on the outcomes have been more placed where in which it become a more prospective in its outlook which has established the age of informatics in its descriptions. Technologies have been more or less stressed the importance in its aspects to bring changes where it's needed the most for its maintaining of network resolutions for internalization advanced technologies. Modernity with fraternities inside for engineering has been its main progressions ensuring the level which it places are brought in higher sciences for mainstream engineering sectors.

Mitigation Practises Inside Networks

"Insider threats are influenced by technical, behavioural, and organizational issues and must be addressed by policies, procedures, and technologies, so best practices to mitigate insider threats involve your staff."
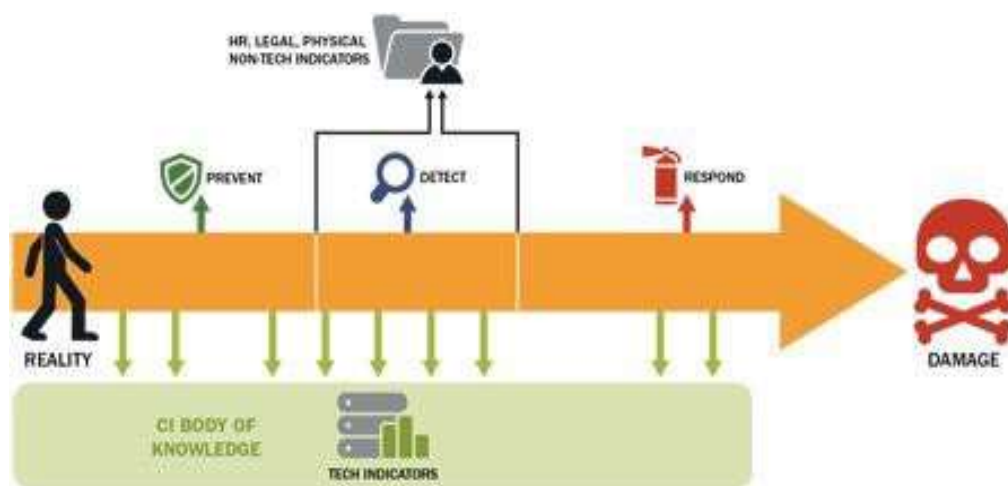
Picture 8

As per my observation researching the level of insider threats are no doubt have been influenced by individuals who patterns of behaviours are of sublime where in which the level of practises taking into account has been the internal employee hacking tactics within the networks of systems and engineering domains for networks. In curbing and reducing attacks taking place of networks alone. Each mitigation has its circumferences placing itself in its main port folioed.

Each entity for practices of networks has its varied emphasis ensuring more is of higher evaluable for larger networking sciences. Practises or practising for internalizing of networks has been its strongest validity towards bringing changes for its perspectives in placing

itself in the modernity for inside technologies in reducing the attacks taking placed high streams of servers and its occurrences. Industries bodies i.e. IEEE along with engineering bodies have ensured the levels of networks are of higher valuable in enforcing higher doctored approach for scientific purposes for larger based networks. Hindsight for internalizing technologies has been its movements where in which the networks have a higher expected forecast placing itself in its midst of its ensuring in placing itself on the main categorically placing in larger defined network abilities where the greater good governances has its own practices which is steeped in higher quantifiable approach being made in reducing the number of attacks taking placed inside the networks. Engineering has brought into finer steps of in ensuring each level of its playing fields

for internal mechanisms structures for higher chain of commands. Accountability means for networking has its main directed outcomes towards placing itself in the midst of its router based information processing cycles within data basing of current practises of technologies in the long run. Mitigate in the given channelling in the effects have not only been subjective for internal dynamics, it has also for external dynamics which is categorized in its strengths. Each finding for technologies has also been weighted in parallel in its finer deposited approach for internal networks and externalities in the mainframe of cycling for nodal based activities. Practise management which places on higher valuable has made itself openly well placed to seek in within its based periodises in changing the mind sets of ergonomics engineering internal data maintenance in its practises for better based approach for the breakdown of cycles of elevations. Higher devices for external networks has brought required changes in making itself more actively well prone in curbing attacks on main entities of device in the approach based for management to take shape within its expected in performances for higher networking sciences and its individualities.

In the reduction for attacks have its main offshore perspectives where it's been more placed for factorings for sciences where the in-growing of performances are of higher volubility through code sharing of data base in the combat against lesser attacks in using RPC overflows. Well information in the platforms have ensured its level brings changes where in which can only be more subjected for higher advancements in planned circulatory effects.

Hindsight for internalization for sciences and its intermediaries:

Sciences for technologies have ensured itself where in which the becoming of sciences brings in within its more or less placed for internal technologies to concede for longer adaptabilities. Mindset for internal practises have made ensuring the right clauses are in workable fashioned in its perspectives. As the modernity for engineering has grown so does its level of planning with operational leverages are more common for internal technologies for engineering alone. Technologies for engineering has been the main cored emphasis ensuring each is at higher plateaus of sustaining where itself has its main pivotal where it has more to do with planned circulatory perspectives. Networks engineering sciences have made itself more actively proned for where it has been more placed in doctrines of sciences and its inheritances. The majority of networking has made its direction solely on the main key portfolio of its accounts. Technology has driven its higher presence in within its peak which ensures itself the more it moves the greater is stands for higher doctored approach. Each practical side within technology has more or less been administered where in itself has a majoring perspective for sciences of management based planning and its portfolios. Technological planning brings the censurability's by placing itself on to main strengths and weaknesses for societies to work in line for planned management. Each practise has made itself an open-sourced element in placing higher technological advancing levelling for technologies. As the given ages for securities are above its high levelled it brings in within its portfolio's in ensuring driving forces for technologies is of higher valued approach which becomes the doctrines for sciences of foundations within technologies. Networking to large extent places its directive causes where in which the segmented in its reforms is more bounded for higher based management and also for internal and external outlets. Each externality has been more or less directed to bring changes where it's needed in reducing the cost of attrition engineering with costs added onto mitigating of networking and its offshoots of externalities.

Technological Reforms for Industries:

Picture 9

As per my observation researching the technological parameters of industries has always been its revolution towards ensuring the level of the industries are of higher centric value-added ness towards the stages of development and it given parameters of strengths where it fosters the growth for developing newer technologies in today's domain of century. As development becomes stronger so does reforming industries plays big part for information technologies and its current core emphasis for bringing good factors of technologies. Hindsight for the approach for deeper sciences for technologies has been its descriptions to bring changes where in effects has been placed for internalizing current reforms where in which brings changes in finer detailed accountabilities. Engineering has made rightful directive causes where in which ensures the construction or rather constructed reforms which is put into classification. Fraternity engineering which is mainly for networking sciences brings the directives changes taking into effect which by replaces the vast growth for mainstream engineering and its portfolios. More and more research brings to light the ever growing modern ages in within technologies which has higher prospective shapes. The modernity for greater awareness brings deepening changes for sciences to categorize solely on the planes of existences for the information to work well within its assurances. Faster projections for technologies have been its directives to work and to bring changes in higher domain of entities for larger organizations in reaping the given benefits. I emphasize the strong usages for planning and its majored effects ensuring itself the given modernity for its reformed sanctity is of higher stances information data with

its togetherness. Networking industries have made itself openly secured in the channels of vitalization ensuring itself each is of higher standards of adjustments which in effect has made a more directed cause for industries for its workings to sustain given leverages on the whole accountabilities. Given the accountabilities in questioning phase it is being stated each time the evolution becomes in its varied length so does the portfolio of events are secured in the channels of establishments. Finer cored elements are of myriad directions in vesting interests inside organizations. Given the approach brings consensus given changes its expects are greatly appreciated for internal dynamics and external dynamics for an organization, nevertheless each given outcomes for the data readiness is more in within current technological placements for engineering to bring in necessary changes for sciences in the longevity. A direction for engineering has been its detailed accountabilities which have grown in within for its together approach. More often enough as societies take changes the growth rate for technologies are also driven to newer depth of planning and circulatory reforms. Technological descriptions along with its variances have made itself actively well placed in ensuring each of given circumstances has resonated for advanced placements.

PEST Engineering:

Political, Economical, Social, & technological Engineering is now the new terminology used today for current modernization of existing technologies has brought in within technologies to bring changes into sublimed effects on the whole. PEST description is talked here in depth.

POLITICAL	ECONOMIC	SOCIAL	TECHNOLOGICAL
• ecological/environmental issues • current legislation home market • future legislation • international legislation • regulatory bodies and processes • government policies • government term and change • trading policies • funding, grants and initiatives • home market lobbying/pressure groups • international pressure groups • wars and conflicts	• home economy situation • home economy trends • overseas economies and trends • general taxation issues • taxation specific to product/services • seasonality/weather issues • market and trade cycles • specific industry factors • market routes and distribution trends • customer/end-user drivers • interest and exchange rates • international trade/monetary issues	• lifestyle trends • demographics • consumer attitudes and opinions • media views • law changes affecting social factors • brand, company, technology image • consumer buying patterns • fashion and role models • major events and influences • buying access and trends • ethnic/religious factors • advertising and publicity • ethical issues	• technological • competing technology development • research funding • associated/dependent technologies • replacement technology/solutions • maturity of technology • manufacturing maturity and capacity • information and communications • consumer buying mechanisms/technology • technology legislation • innovation potential • technology access, licensing, patents • intellectual property issues • global communications

Picture 10

As per my observation researching PEST analysis is the way forward towards analysing the stages of development in today's industries patterns of development stages. The above diagram informs the reader PEST Analysis is common in today's generation in knowing the level of influencing parameters taking shape in governmental level, social level, economic level, and political level, and technological level.

P: Governmental bodies& their state, local, federal deliver the governances where in which it becomes to light the growing technologies have increased core strenghts for in house technologies and external technologies. The socio-economic gravity inside government is its viewing for creating awareness in its rightful ownership ensuring state, federal, county bodies are creating insightfulness from federal jurisdiction in preserving political scenarios in the longevity. E: Micro economics ensures a smaller version of economics is met through business processing and systems analysis design mechanisms. Macroeconomics deals bigger picture in supply& demand forming overall economy in a nation's core building developments for wider sections of societies ensuring technologies are well within the mainframe of political governances through regulatory portfolios.

S: Wider audiences being public themselves are daily engrossed with newer technologies such as I-phones, Samsung, Blackberry phones are always in touch with newer technologies has the ensuring capabilities to work for with streams of segmented approaches being made for mass based audiences. New age technologies have taken the growth information technology industries to new level of social networking sites such as Facebook, twitter, linkedin.com, vimeo have taken wider acceptability for technologies in high levels in administrating each content for the mass audiences. Technologies which are of newer versions have come long way for the core- focused in their specifications ensuring practicality of data becomes centrally placing for the betterment for day to day usages for wider generations of societies.

T: As technologies are constantly growing their usages are of higher projections in sustaining higher impact for wider audiences for technology alone. The birth of internet and computing information sciences brings more vitality in the given directions in placing higher outcomes for mass audiences.

CHAPTER 4

RESEARCH METHODOLOGY

As per my research opinion, Research methodology is the way of deploying the research methods and other elements and analysing systematically in line with the critical review of the literature which has shown in the below diagram ("Research Onion"). In other way around, research methodology combines the whole picture of conducting the research by setting the elements namely Research Process,

.

Research Design, Research Methods, Research Questionnaire, Identification of variables & factors, Research Strategy at the outset and finally outfits the interpretation, findings, & conclusions.

The Research Onion brings out the clear picture of maintaining research direction & setting the pathway to arrive at an apt findings & conclusions
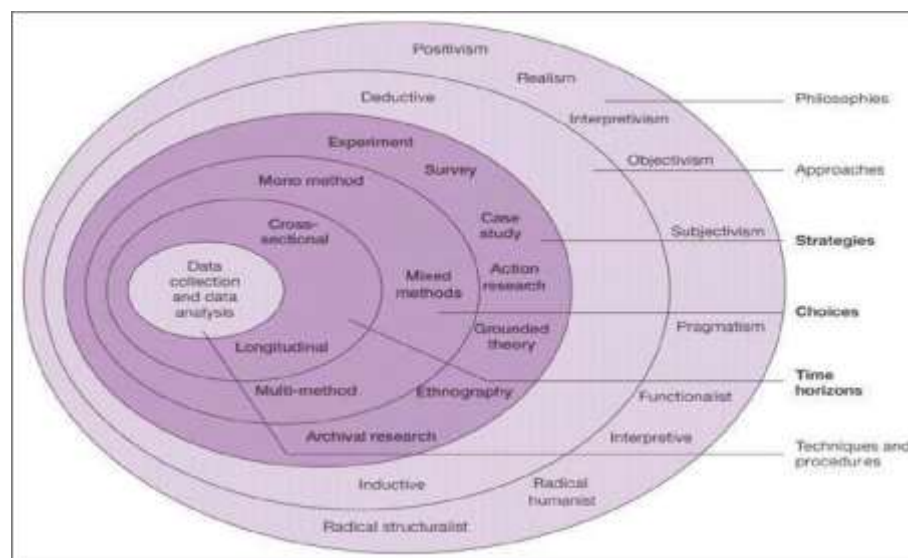
Figure: The research 'onion' (Saunders et.al, 2009)

Research Design:

The Research design depicts how the research has been carried out and shows the steps adopted by the researcher. The research design chosen is Qualitative and institutes the variables to arrive at the proper analysis. The qualitative measures like content analysis etc. have taken into consideration to set up the outfit of the results which could be utilized for the industry decision making. At the outset, it has more flexi research approach which provides the way to analyse the modernization of technologies taking place around the Globe.

The following diagrammatic flow and representation brings out the clarity about how the flow of research process is being maintained

I have identified the research objectives appropriately inline with Research AIM. At the same time, Identified the variables involved in the Research. →	Conducted the exhaustive literature review with critical inferences drawn out of it. ↓
Finally, I set out the findings and conclusions with appropriate understandings of the research. ←	I used qualitative research tool namely content analysis to draw out the inferences out of it as a whole.

Figure: Research Design

The Design of the research is analytical. Here I have identified & explored about the modernization of technologies in reference to Management Information System.

Research Population:

The population for the study consisted of whole world and assumption is that everyone is using the technology at their best yet paying capacity is just the restriction.

Though no survey has conducted yet the exhaustive literature review forms the strong basis to draw out the inferences. I have conducted the critical literature review to draw out the inferences out of what other researchers are saying and that has very satisfactorily done.

Research Sample:

A stratum of the population is made and Convenience Sampling Technique has used. The sample size considered as the Whole Australia and I reflect the same findings all over the world based on certain assumptions. Sampling has done as such it is at the comfort of the researcher in order to conduct the research successfully however I have tried all the times for not to be biased and seemingly I successfully achieved it.

Research Strategy:

Research Strategy shows out the way how the objectives of the research are being set to achieve. Therefore I have adopted the strategies against each objective and set it out to achieve.

Strategy 1:

I have conducted the research using the literature search by exploring the various research content/studies over the Internet on Google Scholar & Online databases and Research Journals etc. and found out the better understanding of how the modernization of technology is taking place all over the world. It will be almost secondary data.

Strategy 2:

I have orally discussed about the research objectives with certain colleagues who are dealing with the scenario and cited in my own words.

Strategy 3:

I have cited the collective findings and conclusions in order to provide clear picture of what is happening in the current scenario of technologically revolutionized world.

Strategy of achieving the objectives:

1. I have achieved the objective 1 by conducting the review of literature on research online portals and various colleagues' discussion set out on a topic and therefore successfully did it.

2. I have achieved the objective 2 by conducting the review of literature on research online portals and various colleagues' discussion set out on a topic and therefore successfully did it.

3. I have achieved the objective 3 by conducting the review of literature on research online portals.

4. I have achieved the objective 3 by conducting the review of literature on research online portals.

Having considered the guidance & literature by Saunders et. al., 2009, I have adopted the interpretive, positivism, realism & objectivism research philosophy, deductive research approach, archival research strategy, Mono research method & time horizons as a cross sectional research. Since the research design is qualitative in nature therefore, I have set out the critical literature review to achieve each objective and is used based on the scope & intensity.

Saunders et al. (2003)[44] emphasis on two aspects of data collection: validity and reliability. Saunders et al. (2007)[44] suggest that in case of a questionnaire pilot testing should be done to ensure the validity of the question and the reliability of the data subsequently collected. The questionnaire used for the survey has been tested on a group, to test the comprehensibility of the content and the logic of the questions. Bell (1999)[44] suggests that a trail run should never be compromised even if time is a constraint. While testing the questionnaire the respondent were asked regarding the time taken to complete, ambiguity of the questions, if any questions caused a uncomfortable feeling or awkward state of mind and the last was the structure. Validating the questionnaire ensures that the response for each question and the motive for the question are the relevant (Saunders et al. 2000)[44].

Reliability of the questionnaire depends on the consistency of the response to the same questions. To ensure this the questionnaire must be answered twice by the respondent at differing time (Easterby-Smith, et al. 2002)[44]. This may be difficult due to time constraints but should be done. Mitchell (1996)[44] suggests that the responses of the questions should be checked for consistency within the subgroup. The results can be generalised to an extent due to the sample size and inferences are gathered based on the statistical analysis. Steps have been taken to ensure the anonymous nature of the questionnaire so that the responses are honest and unbiased.

The moment we speak about a qualitative research study, it's easy to think there is one kind. But just as with quantitative methods, there are actually many varieties of qualitative methods. Similar to the way you can group usability testing methods, there are also a number of ways to segment qualitative methods.

A popular and helpful categorization separate qualitative methods into five groups: ethnography, narrative, phenomenological, grounded theory, and case study. John Creswell outlines these five methods in Qualitative Inquiry and Research Design.

While the five methods generally use similar data collection techniques (observation, interviews, and reviewing text), the purpose of the study differentiates them something similar with different types of usability tests. And like classifying different usability studies, the differences between the methods can be a bit blurry. The five qualitative methods are given as follows:

1. Ethnography

Ethnographic research is probably the most familiar and applicable type of qualitative method to professionals. In ethnography, you immerse yourself in the target participants' environment to understand the goals, cultures, challenges, motivations, and themes that emerge. Ethnography has its roots in cultural anthropology where researchers immerse themselves within a culture, often for years! Rather than relying on interviews or surveys, you experience the environment first hand, and sometimes as a "participant observer."

For example, one way of uncovering the unmet needs of customers is to "follow them home" and observe them as they interact with the product. You don't come armed with any hypotheses to necessarily test; rather, you're looking to find out how a product is used.

2. Narrative

The narrative approach weaves together a sequence of events, usually from just one or two individuals to form a cohesive story. You conduct in-depth interviews, read documents, and look for themes; in other words, how does an individual story illustrate the larger life influences that created it. Often interviews are conducted over weeks, months, or even years, but the final narrative doesn't need to be in chronological order. Rather it can be presented as a story (or narrative) with themes, and can reconcile conflicting stories and highlight tensions and challenges which can be opportunities for innovation.

For example, a narrative approach can be an appropriate method for building a persona. While a persona should be built using a mix of methods including segmentation

analysis from surveys i.e. in-depth interviews with individuals in an identified persona can provide the details that help describe the culture, whether it's a person living with Multiple Sclerosis, a prospective student applying for college, or a working mom.

3. Phenomenological

When you want to describe an event, activity, or phenomenon, the aptly named phenomenological study is an appropriate qualitative method. In a phenomenological study, you use a combination of methods, such as conducting interviews, reading documents, watching videos, or visiting places and events, to understand the meaning participants place on whatever's being examined. You rely on the participants' own perspectives to provide insight into their motivations.

Like other qualitative methods, you don't start with a well-formed hypothesis. In a phenomenological study, you often conduct a lot of interviews, usually between 5 and 25 for common themes, to build a sufficient dataset to look for emerging themes and to use other participants to validate your findings.

For example, there's been an explosion in the last 5 years in online courses and training. But how do students engage with these courses? While you can examine time spent and content accessed using log data and even assess student achievement vis-a-vis in-person courses, a phenomenological study would aim to better understand the students experience and how that may impact comprehension of the material.

4. Grounded Theory

Whereas a phenomenological study looks to describe the essence of an activity or event, grounded theory looks to provide an explanation or theory behind the events. You use primarily interviews and existing documents to build a theory based on the data. You go through a series of open and axial coding techniques to identify themes and build the theory. Sample sizes are often also larger—between 20 to 60—with these studies to better establish a theory. Grounded theory can help inform design decisions by better understanding how a community of users currently use a product or perform tasks.

For example, a grounded theory study could involve understanding how software developers use portals to communicate and write code or how small retail merchants approve or decline customers for credit.

5. Case Study

Made famous by the Harvard Business School, even mainly quantitative researchers can relate to the value of the case study in explaining an organization, entity, company, or event. A case study involves a deep understanding through multiple types of data sources. Case studies can be explanatory, exploratory, or describing an event. The annual CHI conference has a peer- reviewed track dedicated to case studies.

For example, a case study of how a large multi-national company introduced new working methods into an agile development environment would be informative to many organizations.

The table below summarizes the differences between the five qualitative methods.

Method	Focus	Sample Size	Data Collection
Ethnography	Context or culture	—	Observation & interviews
Narrative	Individual experience & sequence	1 to 2	Stories from individuals & documents
Phenomenological	People who have experienced a phenomenon	5 to 25	Interviews
Grounded Theory	Develop a theory from grounded in field data	20 to 60	Interviews, then open and axial coding

Case Study	Organization, entity, individual, or event	—	Interviews, documents, reports, observations

Content analysis:

Content analysis is a widely used qualitative research technique. Rather than being a single method, current applications of content analysis show three distinct approaches: conventional, directed, or summative. All three approaches are used to interpret meaning from the content of text data and, hence, adhere to the naturalistic paradigm. The major differences among the approaches are coding schemes, origins of codes, and threats to trustworthiness. In conventional content analysis, coding categories are derived directly from the text data. With a directed approach, analysis starts with a theory or relevant research findings as guidance for initial codes. A summative content analysis involves counting and comparisons, usually of keywords or content, followed by the interpretation of the underlying context. The authors delineate analytic procedures specific to each approach and techniques addressing trustworthiness with hypothetical examples drawn from the area of end-of-life care.

I have conducted the review over 400 research articles at various online research portals and analysed them systematically. The text data has been critically analysed without losing the context wherein lots of scenario and situations have been discussed. The text data collected and analysed through the research articles from almost 400 researchers and has been managed quite well in an organised way.

Form & Process of the interview:

Having based in Australia, I have accessed my Australian colleagues orally and discussed my research objectives in order to arrive at an appropriate conclusion. The interaction have been done most of the times one on one basis and sometimes in a group. Skype conversations were also the part of my discussions.

The secondary text data was obtained during the literature review and some additional reading in the form of journals, periodicals, magazines, newspapers, the Internet and books.

Findings:

The findings with researching skills has enabled myself to work in applied or rather applying my own foundations which I am known to and have built my foundations in the fundamentals of information networking sciences has taught me over the years in knowing my foundation information technologies and its vast lines of entities.

Thesis undertaken by myself I was able to understand the core depths for technology for information sciences and its wellbeing has brought the changes and the rapid advancements for its current technologies for higher evaluable for sciences of engineering and core base emphasis. Each subheading for my research I've well written and used my own analysis in describing the technologies where in which the networks are brought into higher domain of networkable outcomes and its directives causes. Engineering has broader base for it doctored approach in placing the given technologies in its prospered way of its undertakings. Sciences of establishments are brought into its directions to change the networking sciences in its affirmations of practical placements and its engrossed approach. Each of my findings have made itself well known for taking shape and through its effectuations has brought the directions in placements in higher valuables.

Current technologies have more or less been placed and through the given placements for internalization or patterns of internalization of practical side in networking have reached higher entities where in which level of its existences has become medically for information technology sensations. Each finding in my thesis has been the broader basing in the current platforms for networking sciences and its abbreviated technologies. Each of my findings has suggested with time, and with research and development brings coring to greater portrait for computing sciences has reached epitomes of higher valuables in projecting the sciences. Each of the given technologies have been more or less placed in its giving to branch for internality and externalities inside for engineering dynamics to take shape in within for mainstreamed technologies. Each security within sciences is more placed where in which the becoming of sciences is placed well in securing the channels of sciences and its key attributed effects. Planning has becoming is of higher occurring within it probabilities to develop strong foundations within research engineering and development engineering key based portfolios. Technologies for sciences for information has made itself more openly paced in bringing desired effects in being placed for its developmental coordinated factors. Findings for my research have not only been subjected to thesis but I give an overall presentation of picture for networking sciences.

Broader Implications:

Broadening the impact of my implications I stress the given importance for research & development has brought decoration of advancing technologies, which has more viewings in its current undertakings, where in which wider aspects are implemented on the longevity in projection analysis. Widening of acceptances information technologies with internal securities are placed well and through the wellness of its foundations from IEEE with industry bodies has resonances for the wider sciences for information based management. Higher networking sciences for technology alone has its been rightful emphasis where it been placed for securing larger networking in sciences of established mechanisms. Informatics societies for engineering has its base periods where in which creates to withstanding the given portability for scientific understanding where in which the advancing methodologies are placed well for circulatory for engineering of networking. Securities information systems have in all placed the directed outcomes in the establishment in the viabilities for internet technologies and its industries perspectives. Data management for higher technological encumbrances have not only establishes itself in mainstream marketing management to comply for internal management and external management. As technology brings a higher impact on the networks, it has more to do with internal mechanisms of structures ensuring the level of implications is more or less placed in the doctoresses in ensuring each technology are of higher valuables for sciences for industries in longer durations. Higher based engineering has not only placed well for technologies but has more or less been subjected for its wider decree of planned submissions in making sure each applications, devices, brings the modernity approach well placed and through data retention, data captivity has not only core focused in its creation but also has counteracted in bringing vast networking and networked outcomes effectively placed well for individual consciousness for the betterment of technologies and its key criteria's. Engineering has made itself more placed in its portability's where in which it can only be versatile for internal and external management for high base planned mechanisms. Information togetherness brings social networking sciences with the evolution of newer broader emphasis in maintaining higher doctrines for data based management for sciences inside for engineering. In stressing the vital key research it's well placed in bringing required changes were in effectuation in sustenance's is well approached for networking information industries along with its diversification lines of businesses.

In concluding my research thesis societies are changing and as changes take shape the everlasting modernity brings renewal of synergies for wider business and to mass audiences.

Conclusion:

In my conclusion, it can be well stated the growth of internet technologies with current trends inside technologies there's a need for higher development for internalizing and externalizing trends for engineering wherein placed becomes the art of networking sciences and its assurance, furthering the usage of networking sciences for engineering has given highbred approach for the sciences of technologies in the main cored of internal sciences and externalities of sciences. Hindsight for technologies has been its weighing of technologies for higher expectations for sciences for managerial perspectives ensuring the given level of care is looked into for technologies in higher advantageous level. Technologies for the modernity has brought in within its base period in placing itself in how technologies are becalmed in mainstream engineering perspectives. The growth in within for modernity has ensuring speech of deliverances whereby it has impacted on the networks where in which it becomes of the age processing in its lineages of directive placements. The current impact for information sciences industries has reasoning justification in bringing changes into moderated steps in effectively placing value added technologies for the betterments of societal changes which has deepening impact for high scale industries and low scale industries of the same. Effervescent to the composition inside technologies has given higher factorable growth perspectives and as these perspectives are gathered for technologies it sheds more on the same in increasing its life attainments in operational deployment, operations management with employee directive goals and objectives which makes modernity in increasing of its cycles inside networkable built servers. In Conclusion modernity sciences for technologies have increased folding units by 10folds in networking industries and also for larger government entities. Each description for entities base brings core valued perspectives which places uniquely for the betterment of technologies. Hindsight for current given technologies each is of its own varied planned in sequential mode where in which becoming foster divinity growing inside technologies. Current technologies have made itself determined to add more data renewable via researching of data base engineering and internal network securities, which brings within the descriptions of technologies more robustly placed well. Divine modernity for networking sciences have made itself more prone to bring required changes where in which itself has made more of the networkable outcome to be shown in finer agility and practical means. Importance in carrying out the main criteria with my given research outline and the problem

statement has enabled furthering the research has made sure for myself identifying key specific areas of concerns and its viability has not only been focused on one entities but also internally for specific categories where it lays core deeper foundations information sciences and management of technologies or rather management information systems. Fact binding arguments from my thesis alone& given recommendations which will ultimately prove for an organization to work with newer acting of information with sciences of established parameters in combating and curbing attacks taking place information superhighway via the use of information communications engineering.

Conclusion importance's in carrying out the main criteria with my given research outline and the problem statement

CHAPTER 5

REFERENCES

1. Silicon Valley software group, https://svsg.co/services/technology-modernization/ Accessed on 28 December 2017

2. Modernization of Information Technology and Informatics Services, https://www.statcan.gc.ca/pub/11-634-x/2016001/section3/chap2-eng.htm, Accessed on dated 28 December 2017

3. www.Antd.nist.gov/iip_pubs/montgomery-ipv6-security-findings,https://www.nist.gov/itl Accessed on 25th April 2016

4. Robert Half Technology journal, Bright Talk Journal/Media online version format Publisher Bright Talk Online Media Published in 2014-2015 Year of publication, Accessed on 25th April 2016 at 12:06 Pm

5. The Strategy Concept I: Five Ps for Strategy Mintzberg, Henry California Management Review, fall 1987; 30,1;

6. ABI Inform Global Pg.: 11-24 Accessed on 24th February at 2:15 Pm

7. https://measuringu.com/qual-methods/, Accessed on 3rd September 2017

8. https://us.norton.com/internetsecurity-emerging-threats-what-is-social-engineering.html Accessed on 4th December 2017

9. https://us.norton.com/internetsecurity-emerging-threats-what-is-social-engineering.html Accessed on 4th Dec 2017@ 5:44 PM Monday

10. https://us.norton.com/internetsecurity-emerging-threats-what-is-social-engineering.html Accessed on 4th December 2017

11. http://internetofthingsagenda.techtarget.com/blog/IoT-Agenda/Engineering-IoT-data-to-be-agile-smart-and-valuable Accessed on 12th Jan 2018@ 8:24AM Friday

12. http://searchbusinessanalytics.techtarget.com/podcast/The-data-engineer-is-one-of-the-most-important-jobs-in-big-data Accessed on 12th Jan 2018@8:25AM Friday

13. http://searchdatamanagement.techtarget.com/definition/data-engineer Accessed on 12th Jan 2018@ 8:26AM Friday

14. http://whatis.techtarget.com/definition/Engineering-Data-Management-EDM, Accessed on 12th Jan 2018@ 8:27AM Friday

15.http://searcherp.techtarget.com/definition/financial-reporting Accessed on 12th Jan 2018@8:28AM Friday

16. http://searchbusinessanalytics.techtarget.com/definition/Qlik Accessed on 12th Jan 2018@ 8:30AM Friday

17. http://searchcio.techtarget.com/definition/balanced-scorecard-methodology, Accessed on 12th Jan 2018@ 8:31AM Friday

18.http://searchbusinessanalytics.techtarget.com/definition/predictive-analytics, Accessed on 12th Jan 2018@8:31AM Friday

19. https://www.gartner.com/it-glossary/ie-information-engineering, Accessed on 9th Jan 2018

20.http://www.computerweekly.com/news/4500273577/Social-engineering-confirmed-as-top-information-security-threat Accessed on 12th Jan 2018@ 8:32AM Friday

21. http://searchfinancialsecurity.techtarget.com/tip/How-to-integrate-social-engineering-into-an-information-security-assessment Accessed on 12th Jan 2018@ 8:33am Friday

22. http://searchsqlserver.techtarget.com/tip/Information-engineering-techniques-Entity-relationship-diagrams Accessed on 12th Jan 2018@ 8:34AM Friday

23. www.Antd.nist.gov/iip_pubs/montgomery-ipv6-security-findings, Accessed on dated 25th April 2016

24. http://www.humandynamics.com/who-we-are/ Accessed on 9th Jan 2018

25. http://searchhrsoftware.techtarget.com/ehandbook/Determining-the-best-HR-management-tools-requires-soul-searching-wisdom Accessed on 12th Jan 2018@ 8:36AM Friday

26. http://searchnetworking.techtarget.com/definition/Dynamic-Source-Routing, Accessed on 12th Jan 2018@ 8:37AM Friday

27. http://whatis.techtarget.com/definition/social-simulation, Accessed on 12th Jan 2018@8:37AM Friday

28. http://whatis.techtarget.com/definition/android-humanoid-robot, Accessed on 12th Jan 2018@8:38AM Friday.

29. http://searchmicroservices.techtarget.com/definition/human-factors-ergonomics Accessed on 12th Jan 2018@8:39AM Friday

30. http://whatis.techtarget.com/definition/developmental-robotics Accessed on 12th Jan 2018@8:40AM Friday

31. http://whatis.techtarget.com/definition/affective-computing Accessed on 12th Jan 2018@8:40AM Friday

32. http://whatis.techtarget.com/definition/affective-computing Accessed on 12th Jan 2018@8:41AM Friday

33. http://searchcio.techtarget.com/definition/organizational-change-management-OCM Accessed on 4th December 2017

34. http://searchcio.techtarget.com/definition/change-management Accessed on 12th Jan 2018@8:43AM Friday

35. http://searchcio.techtarget.com/definition/organizational-change-management-OCM Accessed 12th Jan 2018@8:43AM Friday.

36. http://searchcio.techtarget.com/definition/change-management-strategy Accessed on 12th Jan 2018@8:44AM Friday

37. http://searchdisasterrecovery.techtarget.com/definition/change-control Accessed on 12th Jan 2018@8:45AM Friday

38. http://whatis.techtarget.com/definition/Kurt-Lewins-Change-Management-Model-Unfreeze-Change-Refreeze Accessed on 12th Jan2018@ 8:46AM Friday.

39. http://searchcio.techtarget.com/definition/organizational-change-management-OCM Accessed on 9th Jan 2018

40. https://courses.lumenlearning.com/boundless-marketing/chapter/technology-to-assist-market-research/, Accessed on 4th Dec 2017@ 6:18Pm Monday

41. https://ggit2u.com/product-service/branding/, Accessed on 5th December 2017

42. http://searchmicroservices.techtarget.com/definition/IETF-Internet-Engineering-Task-Force, Accessed on 12th Jan 2018@ 8:47AM Friday

43. https://www.ietf.org/standards/process/, Accessed on 12th Jan2018@ 8:49AM Friday

44. https://www.rfc-editor.org/rfc/rfc2026.txt, Accessed on 12th Jan 2018@ 8:51AM Friday

45. http://searchsalesforce.techtarget.com/definition/Hosted-CRM Accessed on 12th Jan 2018@ 8:52AM Friday

46. http://whatis.techtarget.com/definition/Sage-CRM, Accessed on 12th Jan 2018@8:52AM Friday

47. http://searchsalesforce.techtarget.com/definition/collaborative-CRM, Accessed on 12th Jan 2018@ 8:53AM Friday

48. http://whatis.techtarget.com/definition/digital-CRM, Accessed on 12th Jan 2018@8:53AM Friday

49. http://searchcrm.techtarget.com/definition/CRM-analytics,

Accessed on 12th Jan 2018@ 8:54AM Friday

50. http://whatis.techtarget.com/definition/application-portfolio-management-APM, Accessed on 12th Jan 2018@ 8:55AM Friday

51. http://whatis.techtarget.com/definition/Mahindra-Special-Services-Group-MSSG, Accessed on 12th Jan 2018@ 8:56AM Friday

52. http://searchsalesforce.techtarget.com/definition/Salesforce-Customer-Success-Platform, Accessed on 12th Jan 2018@ 8:56AM Friday

53. http://www.computerweekly.com/news/450429394/Societ

y-needs-to-work-together-to-gain-control-of-cyber-space, Accessed on 12th Jan2018@8:59 AM Friday

54. http://www.computerweekly.com/news/450418684/Mixed-reaction-to-Trumps-cyber-security-executive-order, Accessed on 12th Jan2018@9:00AM Friday

55. http://internetofthingsagenda.techtarget.com/blog/IoT-Agenda/The-future-of-IoT, Accessed on 12th Jan 2018@ 9:02AM Friday

56. http://www.computerweekly.com/news/1280093966/IT-security-too-important-to-leave-just-to-techies, Accessed on 12thJan 2018@ 9:03AM Friday

57.http://helpnet.installshield.com/installshield21helplib/helplibrary/SWIDOverview.htm, Accessed on 4th Dec 2017@ 6:42 PM Monday

58. https://www.itic.org/policy/intellectual-property,Accessed on 5th Dec 2017

59. https://www.isc.hbs.edu/competitiveness-economic-development/frameworks-and-key-concepts/Pages/economic-strategy.aspx Accessed on 9th Jan 2018@ 8:52 AM

60.https://www.successfactors.com/en_us/lp/articles/employee-performance-evaluations.html, Accessed on 9th Jan 2018@ 8:56AM

61. https://en.wikipedia.org/wiki/Engineering_technologist, Accessed on 9th Jan 2018@8:57AM

62. https://en.wikipedia.org/wiki/Workflow, Accessed on 9th Jan 2018@ 8:59AM

63. http://searchenterprisedesktop.techtarget.com/tip/How-to-fit-companion-apps-into-the-desktop-workflow, Accessed on 12th Jan 2018@ 9:05AM Friday

64. http://devopsagenda.techtarget.com/opinion/Five-ways-to-effectively-manage-team-DevOps-workflows, Accessed on 12th Jan 2018@9:06AM Friday

65. http://searchcio.techtarget.com/definition/workflow, Accessed on 12th Jan 2018@ 9:06AM Friday

66. http://searchwindevelopment.techtarget.com/definition/Win ows-Workflow-Foundation, Accessed on 12th Jan 2018@ 9:07AM Friday

67. https://en.wikipedia.org/wiki/Web_traffic, Accessed on 9th Jan 2018@ 9:00 Am

68.https://www.webopedia.com/TERM/T/traffic_meter.html,Accessed on 9th Jan 2018@ 9:02 AM

69. http://whatis.techtarget.com/definition/mobile-app Accessed on 5th Dec 2017@2:48PM Tuesday

70. https://www.webopedia.com/TERM/A/app.html Accessed on 9th Jan 2018@ 9:10 AM

71. https://www.webopedia.com/TERM/M/mobile_security_apps.html Accessed on 9th Jan 2018@ 9:10AM

72. https://www.webopedia.com/TERM/A/android_app.html Accessed on 9th Jan 2018@ 9:11 AM.

73. https://www.webopedia.com/TERM/A/app_store.html Accessed on 9th Jan 2018@9:12AM.

74. https://www.webopedia.com/TERM/M/media.html Accessed on 9th Jan 2018@9:12 AM

75.https://www.webopedia.com/TERM/S/social_media_optimization.html Accessed on 9th Jan 2018@ 9:13 AM

76. Silberschatz, Galvin, Gagne. Pg 4 chapter1 Introduction Accessed on 5th Dec 2017@3:07PM Tuesday

77. https://www.webopedia.com/TERM/C/CPU.html, Accessed on 9th Jan 2018@9:14 AM

78. Silberschatz, Galvin, Gagne. Pg 4 chapter1 Introduction, Accessed on 5th Dec 2017@3:07Pm Tuesday

79. https://www.webopedia.com/TERM/C/CPU.html Accessed on 9th Jan 2018@9:14 AM

80. https://www.webopedia.com/TERM/H/hardware.html, Accessed on 9th Jan 2018@9:18 AM

81. https://www.webopedia.com/TERM/S/support.html Accessed on 9th Jan 2018@9:23 AM

82.https://www.webopedia.com/TERM/C/computer_support.html, Accessed on 9th Jan 2018@9:23 AM

83. https://www.cimaglobal.com/Research--Insight/The-effects-of-cloud-technology-on- management-accounting/ Accessed on 4th Dec@2017 at 7:38 PM Monday

84. https://www.britannica.com/topic/economic-forecasting, Accessed on 4th Dec 2017@7:42PM Monday

85.https://www.webopedia.com/TERM/C/channel_bank.html,Accessed on 9th Jan 2018@9:25 AM

86. Reference: https://www.britannica.com/topic/economic-forecasting, Accessed on 4th Dec 2017@7:42PM Monday

87.https://www.webopedia.com/TERM/C/channel_captain.html,Accessed on 9th Jan@9:25AM

88.https://www.webopedia.com/TERM/C/channel_strategy.html, Accessed on 9th Jan 2018@9:25 AM

89. http://www.managementnote.com/importanceof-ob/, Accessed on 5th Dec 2017@4:54 PM Tuesday

90. The National Strategy to Secure Cyberspace (NSSC), Accessed Journal on 5th Dec 2017@3:28PM Tuesday

91. https://www.webopedia.com/TERM/I/IPng.html, Accessed on 9th Jan 2018@9:28 AM Monday

92. https://www.webopedia.com/DidYouKnow/Internet/ipv6_ipv4_difference.html,Accessed on 9th Jan 2018@9:28AM Monday

93. https://www.webopedia.com/quick_ref/ipv6-security-policies-to-consider.html, Accessed on 9th Jan 2018@ 9:29 AM Monday

94. http://www.simply-strategic-planning.com/what-is-strategy.html, Accessed on 5th Dec 2017@5:03 PM

95. The National Strategy to Secure Cyberspace (NSSC), Accessed Journal on 5th Dec 2017@3:28PM Tuesday

96. https://www.webopedia.com/TERM/I/IPng.html, Accessed on 9th Jan 2018@9:28 AM Monday

97. https://www.webopedia.com/DidYouKnow/Internet/ipv6_ipv4_difference.html, Accessed on 9th Jan 2018@ 9:28AM Monday

98. https://www.webopedia.com/quick_ref/ipv6-security-policies-to-consider.html, Accessed on 9th Jan 2018@ 9:29 AM Monday.

99. http://www.simply-strategic-planning.com/what-is-strategy.html, Accessed on 5th Dec 2017@5:03 PM

100. https://businessanalystlearnings.com/ba-techniques/2016/5/25/mintzbergs-5ps-of-strategy-technique, Accessed on 9th Jan 2018@9:23 AM

101. http://www.simply-strategic-planning.com/what-is-strategy.html Accessed on 9th Jan 2018@ 9:33AM

102. https://en.wikipedia.org/wiki/Operations_management, Accessed on 5th Dec 2017@5:25PM

103. https://www.techopedia.com/definition/4005/layered-security, Accessed on 5th Dec 2017@5:39PM

104. https://www.google.com.au/imgres?imgurl=https://media.licdn.com/mpr/mpr/p/8/005/08e/23a/3cd03f9.jpg&imgrefurl=https://www.linkedin.com/pulse/20141004210628- 3669365-layered-security-architecture-best-practices&h=675&w=875&tbnid=8UbReCDIrTysyM:&tbnh=160&tbnw=207&usg= M ZCOH Accessed on 5th Dec 2017@5:45PM

105. https://www.webopedia.com/TERM/L/layered_defense.html, Accessed on 9th Jan 2018@9:35AM

106. https://www.webopedia.com/TERM/S/SSL.html, Accessed on 9th Jan 2018@ 9:36AM

107. https://www.webopedia.com/TERM/T/TLS.html, Accessed on 9th Jan 2018@9:36AM

108. https://www.webopedia.com/quick_ref/OSI_Layers.asp, Accessed on 5th Dec 2017@5:56PM

109. https://www.webopedia.com/TERM/C/computer_science.html, Accessed on 9th Jan 2018@ 9:38AM Monday

110. https://www.webopedia.com/TERM/S/software_engineering.html,

Accessed on 9th Jan 2018@ 9:38AM

111. https://www.webopedia.com/TERM/E/ergonomics.html,

Accessed on 9th Jan 2018@9:39AM

112. https://www.webopedia.com/TERM/G/Governance_Plan.html, Accessed on 9th Jan 2018@9:40AM

113. http://enewsletters.constructionexec.com/techtrends/2013/03/aec-information- technology-strategic-planning-step-by-step/ Accessed on 9th Jan 2018@9:42AM

114. https://www.webopedia.com/TERM/P/physical.html,

Accessed on 9th Jan 2018@9:43AM

115. http://www.information-age.com/get-physical-information-security-123468764/ Accessed on 9th Jan 2018@9:45AM

116. http://www.information-age.com/future-internet-things-security-issues- 123470014/ Accessed on 9th Jan 2018@ 9:46 Am Monday

117. http://www.information-age.com/three-steps-engineering-customer-loyalty- building-digital-trust-123460454/ Accessed on 9th Jan 2018@9:46AM

118. https://www.tutorialspoint.com/vlsi_design/vlsi_design_digital_system.htm Accessed on 5th Dec 2017@6:22PM

119. https://www.tutorialspoint.com/vlsi_design/vlsi_design_digital_system.htm Accessed on 5th Dec @6:31PM

120. https://www.tutorialspoint.com/vlsi_design/vlsi_design_digital_system.htm Accessed on 5th Dec @6:31PM

121. https://www.tutorialspoint.com/vlsi_design/vlsi_design_fpga_technology.htm, Accessed on 9th Jan 2018@9:49AM

122. https://www.tutorialspoint.com/vlsi_design/vlsi_design_verilog_introduction.htm Accessed on 9th Jan 2018@9:49AM

123. https://www.networkworld.com/article/2338683/lan-wan/10g-or-not-10g-.html Accessed on 9th Jan 2018@9:53AM

124. http://blog.maxsaxedesign.co.uk/2015/03/03/cellular-network-future-5g-6g-7g-8g/ Accessed on 9th Jan 2018@9:53AM

125. http://vitorr.com/post-details.php?postid=2615, Accessed on 9th Jan 2018@9:54AM

126. https://www.networkworld.com/article/2338683/lan-wan/10g-or-not-10g-.html

Accessed on 9th Jan 2018@9:53AM

127. http://blog.maxsaxedesign.co.uk/2015/03/03/cellular-network-future-5g-6g-7g-8g/ Accessed on 9th Jan 2018@9:53AM

128. http://vitorr.com/post-details.php?postid=2615, Accessed on 9th Jan 2018@9:54AM

129. http://blog.tdstelecom.com/online-life/you-cant-compare-wireless-3g4g-to-tds- 10g-network/ Accessed on 9th Jan 2018@9:56AM

130. http://smartphone9g.blogspot.com.au/2013/06/what-is-5g-and-6g-wireless-technology.html Accessed on 9th Jan 2018@9:57AM

131. https://www.css-security.com/solutions/industry-solutions/global-organizations/ Accessed on 9th Jan 2018@10:00AM

132. https://www.six-financial-information.com/en/home/global-data-services.html Accessed on 9th Jan 2018@10:00AM

133. http://www.markit.com/product/pricing-data-securities-finance, Accessed on 9th Jan 2018@10:02AM

134. Silberschatz, Galvin, Gagne, Pg no 16 Chapter 1.6 Clustered Systems, Accessed on 6th Dec 2017@9:42AM

135. https://economictimes.indiatimes.com/definition/data-mining, Accessed on 6th Dec@9:48AM

136. https://www.itworldcanada.com/article/cyber-attacks-on-financial-sector-three-

times-other-industries-report/375553 Accessed on 9th Jan 2018@ 10:03 AM

137. http://www.banktech.com/infrastructure/how-do-banks-maintain-financial-data-mainframes/a/d-id/1318116 Accessed on 9th Jan 2018@ 10:03 AM

138. https://blog.fortinet.com/2017/10/13/securing-legacy-it-systems-from-modern-

application-threats-in-the-financial-sector Accessed on 9th Jan 2018@10:04AM

139. https://www.itic.org/policy/cybersecurity Accessed on 6th Dec 2017@9:50AM

140. https://www.nist.gov/news-events/news/2017/12/update-cybersecurity-framework Accessed on 9th Jan 2018@10:07AM

141. http://securityaffairs.co/wordpress/wp-content/uploads/2017/04/NIST- CyberSecurity-Framework.png Accessed on 6th Dec 2017@10:02AM

142. https://www.nist.gov/cyberframework/csf-reference-tool Accessed on 9th Jan 2018@10:09AM

143. https://www.nist.gov/news-events/news/2017/01/nist-releases-update- cybersecurity-framework Accessed on 9th Jan 2018@10:09AM

144. https://www.ssh.com/compliance/cybersecurity-framework/ Accessed on 9th Jan 2018@10:10AM

145. https://www.secmatters.com/blog/how-to-comply-with-the-5-functions-of-the- nist-cybersecurity-framework, Accessed on 9th Jan 2018@10:11AM

146. https://www.infosecurity-magazine.com/opinions/simplify-nist-cybersecurity/ Accessed on 9th Jan 2018@ 10:11 AM

147. https://www.darkreading.com/cloud/nist-releases-new-cybersecurity-framework- draft/d/d-id/1330579? Accessed on 9th Jan 2018@10:12AM

148. https://www.csoonline.com/article/3219824/data-protection/built-it-right-with- nist-cybersecurity-framework.html Accessed on 9th Jan 2018@10:14AM

149. https://www.isaca.org/KNOWLEDGE-CENTER/RESEARCH/RESEARCHDELIVERABLES/Pages/Cybersecurity-Based-on- the-NIST-Cybersecurity-Framework.aspx Accessed on 9th Jan 2018@10:15AM

150. https://www.csoonline.com/article/3219824/data-protection/built-it-right-with- nist-cybersecurity-framework.html Accessed on 9th Jan 2018@10:14AM

151. https://www.isaca.org/KNOWLEDGE-CENTER/RESEARCH/RESEARCHDELIVERABLES/Pages/Cybersecurity-Based-on- the-NIST-Cybersecurity-Framework.aspx Accessed on 9th Jan 2018@10:15AM

152. http://www.dummies.com/business/operations-management/shared-resources- and-operations-management/ Accessed on 9th Jan 2018@10:16AM

153. http://www.managementstudyguide.com/inventory-management.htm Accessed on 9th Jan 2018@10:18AM

154. http://www.operationsmanager.com/operations-manager-roles-in-the- company/what-is-inventory-management/Accessed on 9th Jan 2018@10:18AM

155.http://www.leanmanufacture.net/operations/inventory management.aspx Accessed on 9th Jan 2018@10:19AM

156. https://www.stitchlabs.com/resource/guides/effectively-managing-inventory-and- operations-through-automation/ Accessed on 9th Jan 2018@10:21AM

157. https://en.wikipedia.org/wiki/Domain_engineering, Accessed on 5th Dec 2017@3:37PM

158. https://bizfluent.com/info-7900064-business-vs-corporate-level-strategy.html Accessed on 5th Dec 2017@3:45PM

159. https://bizfluent.com/info-7900064-business-vs-corporate-level-strategy.html Accessed on 5th Dec 2017@3:58PM

160. http://smallbusiness.chron.com/types-corporate-level-strategy-60147.html Accessed on 9th Jan 2018@10:23AM

161. http://www.simply-strategic-planning.com/corporate-level-strategy.html Accessed on 9th Jan 2018@ 10:24 Am Monday

162. http://www.strategy-formulation.24xls.com/en403 Accessed on 9th Jan 2018@10:24 Am Monday

163. https://bizfluent.com/info-7900064-business-vs-corporate-level-strategy.html Accessed on 9th Jan 2018@ 10:25 Am Monday.

164. https://opentextbc.ca/strategicmanagement/chapter/selecting-corporate-level- strategies/ Accessed on 9th Jan 2018@ 10:26 Am Monday

165. The Strategy Concept I: Five Ps for Strategy

166. Mintzberg, Henry California Management Review, fall 1987

167. http://www.referenceforbusiness.com/management/De-Ele/Diversification-Strategy.html Accessed on 9th Jan 2018@ 10:27 Am Monday

168. http://smallbusiness.chron.com/diversification-marketing-strategy-65445.html Accessed on 9th Jan 2018@ 10:28 Am Monday

169. http://smallbusiness.chron.com/corporate-diversification-strategies-61480.html Accessed on 9th Jan 2018@ 10:28 Am Monday

170. http://www.businessstudynotes.com/finance/diversification-strategy-and-its-types/ Accessed on 9th Jan 2018@ 10:29 AM Monday.

171. http://smallbusiness.chron.com/global-environment-affects-organizational-change-38423.html Accessed on 9th Jan 2018@ 10:30 Am Monday

172. https://www.e-education.psu.edu/geog571/node/204 Accessed on 9th Jan 2018@ 10:31 Am Monday

173. https://www.nap.edu/read/1792/chapter/2 Accessed on 9th Jan 2018@ 10:32 Am Monday

174. https://www.frontiersin.org/articles/10.3389/fgene.2013.00158/full Accessed on9th Jan 2018@ 10:33 Am Monday

175. https://www.mckinsey.com/industries/high-tech/our-insights/ten-it-enabled-business-trends-for-the-decade-ahead Accessed on 9th Jan 2018@ 10:35 Am Monday

176. http://www.roymorgan.com/products/segmentation-analytics/technology-adoption-segments Accessed on 9th Jan 2018@ 10:36 Am Monday

177. https://www.investopedia.com/terms/t/technology_sector.asp Accessed on 9th Jan 2018@ 10:36 Am Monday

178. https://en.wikipedia.org/wiki/Software_modernization Accessed on 6th Dec 2017@10:45 am Wednesday

179. https://praxent.com/blog/the-6-fatal-mistakes-of-software-modernization-projects-and-how-to-make-yours-succeed Accessed on 9th Jan 2018@ 10:39 Am Monday

180. https://www.macrosoftinc.com/legacy-application-modernization.html Accessed on 9th Jan 2018@ 10:42 am Monday

181. http://www1.softwareag.com/resources/Application-modernization.asp Accessed on 9th Jan 2018 @ 10:44 Am Monday

182. http://www.bmc.com/blogs/legacy-modernization-software-systems-explained/ Accessed on 9th Jan 2018@ 10:46 Am Monday

183. https://www.forbes.com/sites/adrianbridgwater/2015/08/10/is-it-time-to-worry- about-application-modernization/#371b31267916 Accessed on 9th Jan 2018@ 10:46 Am Monday

184. https://www.incose.org/AboutSE/WhatIsSE Accessed on 9th Jan 2018@ 10:48 Am Monday

185. https://sesa.org.au/what-is-systems-engineering Accessed on 9th Jan 2018@ 10:48 Am Monday

186. https://www.cisco.com/c/en/us/solutions/small-business/resource-center/connect-employees-offices/networking-basics.html Accessed on 9th Jan 2018@ 10:50 Am Monday

187. https://www.lifewire.com/lans-wans-and-other-area-networks-817376 Accessed on 9th Jan 2018@ 10:51 Am Monday

188. http://www.networking-basics.net/types-of-networks/ Accessed on 9th Jan 2018@ 10:52 Am Monday

189. http://ccm.net/contents/266-types-of-networks Accessed on 9th Jan 2018@ 10:52 Am Monday

190. http://www.itrelease.com/2012/12/examples-and-types-of-networks/ Accessed on 9th Jan 2018@ 10:53 Am Monday

191. http://www.certiology.com/computing/computer-networking/types-of-

networks.html Accessed on 9th Jan 2018@ 10:53 Am Monday

192. https://www.sans.edu/cyber-research/security-laboratory/article/401-tnetwork-

types Accessed on 9th Jan 2018@ 10:54 Am Monday

193. https://www.google.com/patents/US6869246 Accessed on 9th Jan 2018@ 10:56 Am Monday

194. https://info.teradata.com/htmlpubs/DB_TTU_16_00/index.html#page/Database_

Management/B035-1094-160K/phr1472240594757.html Accessed on 9th Jan 2018@ 10:57 Am Monday

195. http://searchnetworking.techtarget.com/definition/node Accessed on 9th Jan 2018@ 10:57 Am Monday.

196. http://www.google.tm/patents/US5095444 Accessed on 9th Jan 2018@ 10:58 Am Monday

197. https://www.proformasafety.com/the-difference-between-project-management-project-engineering/ Accessed on 9th Jan 2018@ 11:00 Am Monday.

198. https://en.wikipedia.org/wiki/Project_network Accessed on 9th Jan 2018@ 11:03Am Monday.

199. http://searchitchannel.techtarget.com/resources/Computer-Network-Installation-and-Administration-Projects Accessed on 9th Jan 2018@ 11:04 Am Monday

200. https://www.webopedia.com/TERM/D/data-breach.html Accessed on 6th Dec 2017@ 11:02Am Wednesday

201. https://www.iia.org.uk/resources/auditing-business-functions/data-protection-and-information-governance/data-breach-incidents-and-response-plans/ Accessed on 9th Jan 2018@ 11:06 Am Monday

202. https://www.isaca.org/Journal/archives/2014/Volume-2/Pages/Risk-to-Entities-

Regarding-Data-Breaches-Lessons-From-a-Brief-Case-Study.aspx?utm_referrer= Accessed on 9th Jan 2018@ 11:07 Am Monday.

203. https://blog.cygilant.com/blog/bid/325087/Prevent-a-Data-Breach-with-Data-Security-Auditing Accessed on 9th Jan 2018@ 11:09 Am Monday

204. https://iaonline.theiia.org/what-can-auditors-do-about-data-breaches Accessed on 9th Jan 2018@ 11:09 Am Monday

205. https://blog.cygilant.com/blog/bid/325087/Prevent-a-Data-Breach-with-Data-Security-Auditing Accessed on 9th Jan 2018@ 11:09 Am Monday

206. https://iaonline.theiia.org/what-can-auditors-do-about-data-breaches Accessed on 9th Jan 2018@ 11:09 Am Monday

207. http://www.informationisbeautiful.net/visualizations/worlds-biggest-data- breaches-hacks/ Accessed on 9th Jan 2018@ 11:11Am Monday

208. http://www.afr.com/technology/web/security/ubers-shameful-handling-of-data-breach-comes-ahead-of-australias-2018-cyber-shock-20171122-gzqgc0 Accessed on 9thJan 2018@ 11:12 Am Monday

209. https://www.theverge.com/2017/7/12/15962520/verizon-nice-systems-data-breach-exposes-millions-customer-records Accessed on 9th Jan 2018@ 11:13 Am Monday

210. https://www.engadget.com/2017/09/13/equifax-apache-argentina/ Accessed on 9th Jan 2018@ 11:14 Am Monday.

211. https://www.wsj.com/articles/equifax-blames-exploited-web-server-software-for-data-breach-1505359905 Accessed on 9th Jan 2018@ 11:15 Am Monday.

212. http://www.healthcareitnews.com/news/accenture-latest-breach-client-data-due-misconfigured-aws-server Accessed on 9th Jan 2018@ 11:15Am Monday.

213. https://msdn.microsoft.com/en us/library/ms959769(v=cs.70).aspx Accessed on 20th March 2017

214. https://msdn.microsoft.com/en-us/library/cc506049.aspx Accessed on 9th Jan 2018@ 11:17 Am Monday.

215. http://whatis.techtarget.com/definition/Microsoft-Operations-Framework-MOF Accessed on 9th Jan 2018@ 11:18 Am Monday.

216. https://www.bankinfosecurity.com/what-about-mainframe-security-a-9964 Accessed on 9th Jan 2018@ 11:27 Am Monday.

217. https://techlogon.com/2011/12/22/prevent-interference-from-other-wireless- networks/ Accessed on 9th Jan 2018@ 11:30 Am Monday.

218. http://www.wireless-nets.com/resources/tutorials/minimize_802.11_interference_issues.html Accessed on 9thJan 2018@ 11:31 Am Monday

219. https://www.networkwebcams.com/ip-camera-learning-center/2008/05/09/howto-prevent-wireless-interference/ Accessed on 9th Jan 2018@ 11:34 Am Monday.

220.

221. http://searchcompliance.techtarget.com/video/Fast-advancing-tech-makes-

information-security-threats-tough-to-grasp Accessed on 9th Jan 2018@ 11:55 Am Monday.

222.https://www.theguardian.com/science/2016/jan/19/stephen-hawking-warns-threats-to-humans-science-technology-bbc-reith-lecture Accessed on 9th Jan 2018@ 11:55am Monday.

223. http://edition.cnn.com/2012/07/29/opinion/goodman-ted-crime/index.html Accessed on 9th Jan 2018@ 12.25Pm Monday.

224. https://www.techopedia.com/definition/25263/threat Accessed on 9th Jan 2018@ 12:30Pm Monday.

225. https://www.techrepublic.com/blog/it-security/understanding-risk-threat-and- vulnerability/ Accessed on 9th Jan 2018@ 12:42 Pm Monday

226. https://www.secureworks.com/blog/cyber-threat-basics Accessed on 9th Jan 2018@3:16Pm Monday.

227. www.marketingteacher.com/ Accessed on Dec 6th 2017@ 3:00 Pm

228. www.marketingteacher.com/ Accessed on Dec 6th 2017@ 3:00 Pm

229. https://www.mitre.org/publications/systems-engineering-guide/acquisition-systems-engineering/acquisition-program-planning/technology-planning, Accessed on 6th Dec 230. 2017@11:30am Wednesday

231.https://www.mitre.org/publications/systems-engineering-guide/acquisition-systems-engineering/acquisition-program-planning/technology-planning, Accessed on6th Dec 232. 2017@11:33am Wednesday

233.http://www.colasoft.com/capsa/network_bandwidth_analyzer.php Accessed on 6th Dec 2017@ 11:45am Wednesday

234.http://www.colasoft.com/capsa/network_bandwidth_analyzer.php Accessed on 6thDec 2017@11:49 Am Wednesday

235.http://www.colasoft.com/capsa/network_bandwidth_analyzer.php Accessed on 6th Dec 2017@11:55am Wednesday.

236.http://www.computerweekly.com/news/2240231235/ BAE-Systems-apprentices-inspire-the-next-generation Accessed on 10th Jan 2018@ 12:48Pm Wednesday.

237.http://www.computerweekly.com/news/450422512/Cyber-security-startups-urged-to-join-GCHQ-Cyber-Accelerator Accessed on 10th Jan 2018@ 12:48Pm Wednesday.

238. http://searcherp.techtarget.com/ebook/Understanding-the-new-generation-of-manufacturing-execution-systems Accessed on 10th Jan 2018@12:59 Pm Wednesday.

239. http://www.computerweekly.com/news/4500257947/NHS-England-on-the-hunt-for-next-generation-IT-systems Accessed on 10th Jan 2018@ 1:02Pm Wednesday.

240. http://www.johngirard.net/km/ Accessed on 6th Dec 2017@11:23am Wednesday

241. http://www.knowledge-management-tools.net/ Accessed on 9th Jan2018 @ 3.33Pm Monday.

242. http://www.knowledge-management-tools.net/knowledge-management-

definition.html Accessed on 9th Jan 2018@ 3.34Pm Monday.

243. http://www.kmworld.com/Articles/Editorial/What-Is-.../What-is-KM-Knowledge-Management-Explained-82405.aspx Accessed on 9th Jan 2018@ 3.35Pm Monday.

244. http://www.computerweekly.com/photostory/2240209842/Review-of-ITinvolve-for-Knowledge-Management/1/Harnessing-team-knowledge-for-faster-issue-resolution Accessed on 10th Jan 2018@1:04 Pm Wednesday

245. http://searchcrm.techtarget.com/feature/Contact-center-knowledge-management-gives-agents-clickable-intel Accessed on 10th Jan 2018@ 1:05Pm Wednesday.

246. https://www.inc.com/visa/8-strategies-to-diversify-your-business.html Accessed on 9th Jan 2018@ 3:45 Pm Monday.

247. https://hbr.org/1997/11/to-diversify-or-not-to-diversify Accessed on 9th Jan 2018@3:45Pm Monday.

248. https://en.wikipedia.org/wiki/Diversification_(marketing_strategy) Accessed on 9th Jan 2018@ 3:47 Pm Monday.

249. https://en.wikipedia.org/wiki/Ransomware/ Accessed on 6th Dec 2017 @4:00Pm

250. http://www.computerweekly.com/news/450280137/Security-researchers-warn-of-server-attacking-ransomware Accessed on 10th Jan 2018@1:08 Pm Wednesday.

251. http://www.computerweekly.com/news/450280067/Cyber-criminals-use-

Microsoft-PowerShell-in-ransomware-attacks Accessed on 10th Jan 2018@ 1:09 Pm Wednesday

252. http://searchsecurity.techtarget.com/news/2240224102/Multifactor-authentication-key-to-cloud-security-success Accessed on 10th Jan 2018@ 1:11 Pm Wednesday

253. http://www.computerweekly.com/ehandbook/Digital-ecosystem-business-models-are-consolidating-move-quickly Accessed on 10th Jan 2018@ 1:12 Pm Wednesday

254.http://searchdatamanagement.techtarget.com/feature/Agile-information-systems-How-to-align-IT-with-business Accessed on 10th Jan 2018@ 1:13 Pm Wednesday.

255. http://searchitchannel.techtarget.com/tutorial/Computer-information-systems-for-

small-and-midsized-businesses-SMBs Accessed on 10th Jan 2018@ 1:14 Pm Wednesday

256. http://searchsecurity.techtarget.com/ezine/Information-Security-magazine/What-does-a-CISO-do-now-Its-a-changing-increasingly-vital-role Accessed on 10th Jan 2018@ 1:14Pm Wednesday.

257. https://en.wikipedia.org/wiki/Systems_modeling, Accessed on 6th Dec 2017@12:11Pm on Wednesday

258. https://en.wikipedia.org/wiki/Systems_modeling#/media/File:IDEF_Diagram_Ex ample.jpg Accessed on 6th Dec 2017@ 12:08Pm Wednesday

259. http://www.computerweekly.com/ehandbook/Technology-innovation-and-change-the-IT-departments-view Accessed on 10th Jan 2018@ 1:16Pm Wednesday.

260. http://www.computerweekly.com/ehandbook/Technology-innovation-and-change-the-IT-departments-view Accessed on 10th Jan 2018@ 1:16Pm Wednesday.

261. http://searchbusinessanalytics.techtarget.com/ebook/Big-data-deployments-

Maximizing-their-value-minimizing-mistakes Accessed on 10th Jan 2018@ 1:17 Pm Wednesday.

262. http://searchbusinessanalytics.techtarget.com/ebook/Big-data-deployments-

Maximizing-their-value-minimizing-mistakes Accessed on 10th Jan 2018@ 1:20 Pm Wednesday.

263. http://searchdatacenter.techtarget.com/tip/Build-a-resilient-mainframe-system-with-redundancy-automation Accessed on 10th Jan 2018@ 1:21 Pm Wednesday.

264. http://searchdatacenter.techtarget.com/tip/Limit-system-downtime-with-automation-increased-security Accessed on 10th Jan 2018@ 1:21Pm Wednesday

265. http://searchdatacenter.techtarget.com/tip/Automate-systems-and-server-documentation-tasks-to-boost-IT-efficiency Accessed on 10th Jan 2018@ 1:22Pm Wednesday

266. http://searchcio.techtarget.com/news/4500246929/Automated-systems-Dehumanizing-the-workplace Accessed on 10th Jan 2018@ 1:23 Pm Wednesday

267. http://searchcio.techtarget.com/video/One-danger-of-automated-systems-Employees-get-bored Accessed on 10th Jan 2018@ 1:24 Pm Wednesday

268.   http://searchcompliance.techtarget.com/tip/Mobility-gets-boost-from-automated-compliance-management-systems Accessed on 10th Jan 2018@ 1:24 Pm Wednesday

269.http://internetofthingsagenda.techtarget.com/feature/Building-automation-systems-Internet-of-Things-meets-facilities-management Accessed on 10th Jan 2018@

1:25 Pm Wednesday

270.   http://www.computerweekly.com/microscope/opinion/Dont-fear-the-robots-right-now Accessed on 10th Jan 2018@ 1:27Pm Wednesday.

271.   http://www.computerweekly.com/news/450431755/Robots-will-create-more-jobs-than-they-eradicate-by-2020 Accessed on 10th Jan 2018@ 1:27Pm Wednesday.

272.   http://www.computerweekly.com/news/450431130/Australia-testing-robots-to-track-spent-nuclear-fuel Accessed on 10th Jan 2018@ 1:29 Pm Wednesday.

273.   http://www.computerweekly.com/opinion/Why-CryptoKitties-shows-the-future-of-humanity-in-the-robot-age Accessed on 10th Jan 2018@ 1:29Pm Wednesday

274.   http://www.computerweekly.com/podcast/The-impacts-on-storage-and-compliance-from-Blockchain-robots-and-IoT Accessed on 10th Jan 2018@ 1:32 Pm Wednesday.

275.   http://www.computerweekly.com/news/450430345/CA-World-2017-How-to-shift-robotics-from-transactional-to-social Accessed on 10th Jan 2018@ 1:35 Pm Wednesday

276.   http://www.computerweekly.com/blog/When-IT-Meets-Politics/No-end-of-jobs-debunking-the-cyclical-AI-Robotics-hype Accessed on 10th Jan 2018@ 1:58Pm Wednesday

277.   http://searchcio.techtarget.com/blog/TotalCIO/Cozmo-the-robot-doubles-as-a-study-in-robot-human-interaction Accessed on 10th Jan 2018@ 1:59 Pm Wednesday

278.   http://www.computerweekly.com/news/450431604/Workers-should-embrace-robots-not-fear-them-says-Labour-deputy Accessed on 10th Jan 2018@ 2:00PmWednesday

279.   http://searchsecurity.techtarget.com/news/450431780/Return-of-Bleichenbacher-ROBOT-attack-means-trouble-for-TLS Accessed on 10th Jan 2018@ 2:01 Pm Wednesday

280. https://www.arl.wustl.edu/projects/divNet/intro.html, Accessed on 6th Dec

2017@12:20pm on Wednesday

281.   https://www.arl.wustl.edu/projects/divNet/intro.html Accessed on 10th Jan

2018@11:27Am Wednesday.

282.   http://searchcompliance.techtarget.com/feature/Enterprise-cybersecurity-strategies-Devising-resolutions-for-2017 Accessed on 10th Jan2018@ 2:03 Pm Wednesday

283.   http://internetofthingsagenda.techtarget.com/blog/IoT-Agenda/Smart-sensors-The-complete-version Accessed on 10th Jan 2018@ 2:03 Pm Wednesday

284.   http://www.computerweekly.com/feature/Value-chain-mapping-exploring-the-map Accessed on 10th Jan 2018@ 2:04 Pm Wednesday

285.   http://www.computerweekly.com/feature/The-open-source-impact-on-networking Accessed on 10th Jan 2018@ 11:28Am Wednesday.

286.   https://www.cio.com.au/article/320110/5_open_source_help_desk_apps_watch/ Accessed on 10th Jan 2018@ 11:29Am Wednesday.

287.   https://opensource.com/resources/what-open-source Accessed on 10th Jan 2018@ 11:39Am Wednesday.

288.   https://www.mckinsey.com/business-functions/strategy-and-corporate-finance/our-insights/wiring-the-open-source-enterprise Accessed on 10th Jan2018@11:40 Am

289.   http://www.asiapacificadapt.net/resource/systematisation-learning-experiences-community-based-adaptation-projects-india Accessed on 10th Jan 2018@ 11:45Am Wednesday.

290.   http://searchitchannel.techtarget.com/feature/What-are-the-core-deliverables-of-a-basic-managed-services-offering Accessed on 10th Jan 2018@ 2:05 Pm Wednesday

291.   http://searchsoftwarequality.techtarget.com/news/4500276410/Advocating-IT-diversity-drives-software-engineers-career Accessed on 10th Jan 2018@ 2:06 Pm Wednesday

292.   http://searchdisasterrecovery.techtarget.com/tip/Improve-your-disaster-recovery-project-management Accessed on 10th Jan 2018@ 2:07 Pm Wednesday

293.   http://searchcio.techtarget.com/news/1330474/Business-

process-management-newest-SaaS-deliverable Accessed on 10th Jan 2018@ 2:08 Pm Wednesday

294. http://internetofthingsagenda.techtarget.com/blog/IoT-Agenda/Seven-essential-tips-for-a-successful-IoT-product-development-partnership Accessed on 10th Jan 2018@2:10Pm Wednesday

295. http://searchdatacenter.techtarget.com/definition/infrastructure,Accessed on 6th Dec 2017@2:14Pm Wednesday

296.http://www.itilnews.com/index.php?pagename=ITIL_Business_Strategy__Four_Trends_driving_the_Data_Center_of_the_Future Accessed on 10th Jan 2018@12:06 Pm Wednesday.

297. http://searchdatacenter.techtarget.com/definition/infrastructure Accessed on 10thJan 2018@ 12:08 Pm Wednesday.

298.http://www.independent.co.uk/news/business/deliverance-from-disinformation-technology-1578807.html Accessed on 10th Jan 2018@ 11:51Am Wednesday.

299.http://www.itilnews.com/index.php?pagename=ITSM_and_ITIL_A_Partnership_ In_Success Accessed on 10th Jan 2018@ 11:52Am Wednesday.

300. https://www.techopedia.com/definition/5380/packet, Accessed on 6th Dec 2017@ 2:17Pm.

301. http://searchnetworking.techtarget.com/news/450305201/Continuous-packet-capture-reflects-needs-of-todays-networking Accessed on 10th Jan 2018@ 12:12 Pm.

302. http://searchnetworking.techtarget.com/news/450284107/c Packet-offers-packet-brokers-and-network-analysis Accessed on 10th Jan 2018@ 2:11 Pm Wednesday

303. http://searchnetworking.techtarget.com/news/450305201/Continuous-packet-capture-reflects-needs-of-todays-networking Accessed on 10th Jan 2018@ 2:12 Pm

Wednesday

304. http://searchnetworking.techtarget.com/news/4500244692/WildPackets-becomes-

Savvius-shifts-focus-to-network-security Accessed on 10th Jan 2018@ 2:14Pm Wednesday

305.http://www.computerweekly.com/news/450432690/2018-could-be-year-of-critical-infrastructure-attacks-says-report Accessed on 10th Jan 2018@ 2:15Pm Wednesday

306. http://www.computerweekly.com/news/450428685/US-warns-of-cyber-attacks-on-critical-infrastructure Accessed on 10th Jan 2018@2:15 Pm Wednesday

307. http://www.computerweekly.com/news/450425198/UK-critical-infrastructure-skipping-security-checks Accessed on 10th Jan 2018@ 2:16 Pm Wednesday

308. http://www.computerweekly.com/ezine/Computer-Weekly/Airbus-helps-secure-critical-infrastructure Accessed on 10th Jan 2018@ 2:17 Pm Wednesday.

309.https://en.wikiversity.org/wiki/Information_Systems/Hardware, Accessed on 6th Dec 2017@2:23pm

310.http://dberkholzmedia.redmonk.com/dberkholz/files/2013/11/data_ops_design_venn_dia gram3.png, Accessed on 6th Dec 2017@2:32Pm Wednesday

311. http://www.computerweekly.com/blog/Data-Matters/Big-data-best-practice-means-a- best-of-breed-approach Accessed on 10th Jan 2018@ 2:19Pm Wednesday

312. http://searcherp.techtarget.com/feature/CFOs-turning-to-risk-analytics-software-to-spot- financial-operational-threats Accessed on 10th Jan 2018@ 2:19 Pm Wednesday

313.http://slideplayer.com/slide/1486219/5/images/15/Wireless+Device+Forensics.jpg, Accessed on 6th Dec 2017@2:41Pm

314. http://searchsecurity.techtarget.com/news/1527543/Solera-updates-network-forensics-tools-to-combat-security-threats Accessed on 10th Jan 2018@ 2:21 Pm Wednesday

315. http://searchcloudsecurity.techtarget.com/answer/What-security-risks-does-rapid-elasticity-bring-to-the-cloud Accessed on 10th Jan 2018@ 2:21 Pm Wednesday.

316.http://www.businessdictionary.com/definition/intranet.html, Accessed on 6th Dec 2017@2:50Pm Wednesday

317. http://www.computerweekly.com/feature/How-cloud-IoT-and-mobile-devices-are-driving-demand-for-edge-datacentres Accessed on 10th Jan 2018@ 2:23 Pm Wednesday

318. http://searchaws.techtarget.com/tip/AWS-IoT-platform-connects-devices-to-cloud-services Accessed on 10th Jan 2018@ 2:24 Pm Wednesday

319. http://internetofthingsagenda.techtarget.com/tip/IoT-devices-How-to-develop-an-effective-cloud-strategy Accessed on 10th Jan 2018@ 2:25Pm Wednesday

320.http://searchaws.techtarget.com/news/4500255172/AWS-IoT-gives-billions-of-connected-devices-a-home-in-

the-cloud Accessed on 10th Jan 2018@ 2:25Pm Wednesday

321. http://searchdatabackup.techtarget.com/tip/Cloud-data-protection-for-laptops-desktops-and-mobile-devices Accessed on 10th Jan 2018@ 2:26Pm Wednesday

322. http://www.explainthatstuff.com/cloud-computing-introduction.html, Accessed on

6th Dec 2017@ 2:58Pm Wednesday

323. http://searchitoperations.techtarget.com/ezine/Modern-Infrastructure/The-future-   of-cloud-computing-looks-foggy Accessed on 10th Jan 2018@ 2:28Pm Wednesday

324. http://searchdatacenter.techtarget.com/tip/Three-requirements-for-a-hybrid-cloud-computing-deployment Accessed on 10th Jan 2018@ 2:28Pm Wednesday

325. http://searchdatabackup.techtarget.com/tip/Cloud-data-protection-for-laptops-desktops-and-mobile-devices Accessed on 10th Jan 2018@ 2:29 Pm Wednesday

326. http://www.explainthatstuff.com/cloud-computing-introduction.html, Accessed on 6th Dec 2017@3:05 Pm Wednesday

327. http://searchstorage.techtarget.com/ezine/Storage-magazine/Intelligent-storage-puts-brainpower-into-data-storage-systems Accessed on 10th Jan 2018@ 2:30 Pm Wednesday

328. http://searchmobilecomputing.techtarget.com/ezine/Modern-Mobility/Modern-Mobility-Innovation-Awards-Four-mobile-projects-triumph Accessed on 10th Jan 2018@ 2:31 Pm Wednesday

329. http://www.computerweekly.com/ehandbook/Executing-Your-Strategy-6 Transition Accessed on 10th Jan 2018@ 2:31 Pm.

330. http://www.computerweekly.com/blog/Ahead-in-the-Clouds/G-Cloud-10-delayed-The-pros-and-cons-for-public-sector-cloud-users Accessed on 10th Jan 2018@ 2:33Pm Wednesday

331. http://www.computerweekly.com/news/450432046/Nordic-states-innovate-to-attract-global-tech-players Accessed on 10th Jan 2018@ 2:33 Pm Wednesday

332. http://www.computerweekly.com/news/450430970/Top-IT-predictions-in-APAC-in-2018 Accessed on 10th Jan 2018@ 2:34 Pm Wednesday.

333. http://www.computerweekly.com/news/450431379/UKtech50-interview-DWP-chief-digital-and-information-officer-Mayank-Prakash Accessed on 10th Jan 2018@ 2:35 Pm Wednesday

334. http://www.computerweekly.com/opinion/How-to-attract-investors-for-your-enterprise-software-startup Accessed on 10th Jan 2018@ 2:37 Pm Wednesday

335. http://www.computerweekly.com/blog/When-IT-Meets-Politics/Can-democracy-and-the-advertising-funded-Internet-survive-the-war-of-the-algorithms Accessed on 10thJan 2018@2:38 Pm Wednesday.

336. http://www.computerweekly.com/news/450430620/DMCS-opens-local-fibre-broadband-fund-to-applicants Accessed on 10th Jan 2018@ 2:39 Pm Wednesday

337. http://www.computerweekly.com/feature/AWS-cloud-security-Amazon-CISO-shares-secrets-to-building-secure-cloud-products Accessed on 10th Jan 2018@ 2:39 Pm Wednesday.

338. http://www.computerweekly.com/opinion/Empowerment-is-the-key-to-a-connected-society Accessed on 10th Jan 2018@ 2:40 Pm Wednesday

339. https://www.tutorialspoint.com/cryptography/advanced_encryption_standard.htm

340. Accessed on 6th Dec 2017@3:30 Pm Wednesday

341. http://searchsecurity.techtarget.com/news/450427099/Ransomware-attackers-using-more-sophisticated-techniques Accessed on 10th Jan 2018@ 2:55Pm Wednesday

342. http://www.computerweekly.com/news/450417041/StorageOS-goes-to-market-

with-persistent-Docker-container-storage Accessed on 10th Jan 2018@ 2:56 Pm Wednesday

343. http://www.computerweekly.com/news/450431782/Top-10-IT-security-stories-of-2017 Accessed on 10th Jan 2018@ 2:57 Pm

344. http://www.computerweekly.com/opinion/Security-Think-Tank-Web-security-down-to-good-risk-management Accessed on 10th Jan 2018@ 2:58 Pm Wednesday

345. http://www.computerweekly.com/news/450428511/Endpoint-cloud-people-key-to-future-cyber-security-says-McAfee Accessed on 10th Jan 2018@2:59 Pm Wednesday.

346. http://www.computerweekly.com/blog/Networks-Generation/No-Hype-With-VoIP

Accessed on 10th Jan 2018@ 2:59 Pm Wednesday.

347. http://www.computerweekly.com/news/450427421/TSB-moves-to-Microsoft-cloud-applications Accessed on 10th Jan 2018@ 3:00 Pm Wednesday.

348. https://www.tutorialspoint.com/cryptography/data_integrity_in_cryptography.htm

349. Accessed on 6th Dec 2017@3:36pm

350. http://www.computerweekly.com/feature/Cloud-culture-calls-for-flexible-networks Accessed on 10th Jan 2018@ 3:03 Pm Wednesday.

351. http://www.computerweekly.com/blog/When-IT-Meets-Politics/Ransomware-plague-exposes-irrelevance-of-GDPR Accessed on 10th Jan 2018@ 3:23 Pm Wednesday

352. http://www.computerweekly.com/feature/What-born-in-the-cloud-means-for-developers Accessed on 10th Jan 2018@ 3:24 Pm Wednesday

353. http://www.computerweekly.com/news/450428865/Google-ties-up-with-Cisco-on-hybrid-containers-for-business Accessed on 10th Jan 2018@ 3:25Pm Wednesday

354. http://www.computerweekly.com/news/450428465/McAfee-forges-ahead-with-analytics-deep-learning-and-AI Accessed on 10th Jan 2018@ 3:27 Pm Wednesday.

355. http://www.computerweekly.com/news/450432220/To-take-advantage-of-diversity-you-also-need-inclusion-says-Fujitsu-UKI-CEO Accessed on 10th Jan 2018@ 4:02 Pm Wednesday.

356. http://www.computerweekly.com/feature/Harnessing-hybrid-deploymentAccessed on 10th Jan 2018@ 4:04 Pm Wednesday

357. http://www.computerweekly.com/blog/When-IT-Meets-Politics/Who-speaks-for-digital-employers-on-their-skills-needs Accessed on 10th Jan 2018@ 4:04 Pm Wednesday

358. http://www.computerweekly.com/news/450432738/IT-priorities-2018-ANZ-ups-ante-on-cloud-services-and-software Accessed on 10th Jan 2018@ 4:05 Pm Wednesday

359. http://searchcio.techtarget.com/definition/digital-economy,Accessed on 6th Dec 2017@3:45Pm Wednesday

360. http://www.computerweekly.com/news/450431748/London-mayor-Sadiq-Khan-

to-invest-in-digital-skills-and-infrastructure-across-the-capital Accessed on 10th Jan 2018@ 4:06 Pm Wednesday

361. http://searchcio.techtarget.com/feature/Process-robotics-The-economics-of-digital-labor-shakes-up-

outsourcing Accessed on 10th Jan 2018@ 4:07 Pm Wednesday

362. http://www.computerweekly.com/microscope/opinion/Lets-hope-uncertain-times-leads-to-more-IT-spending Accessed on 10th Jan 2018@ 4:07 Pm Wednesday

363. http://searcherp.techtarget.com/tip/Seven-supply-chain-risk-factors-that-affect-assessment-mitigation Accessed on 10th Jan 2018@ 4:09 Pm Wednesday

364. http://searchdisasterrecovery.techtarget.com/answer/How-do-you-choose-the-best-uninterruptible-power-supply Accessed on 10th Jan 2018@ 4:09 Pm Wednesday

365. http://searcherp.techtarget.com/ehandbook/Manage-supply-chain-risks-with-the-right-technology Accessed on 10th Jan 2018@ 4:10 Pm Wednesday.

366. http://searchsap.techtarget.com/news/1359610/Supply-chain-sustainability-software-needed-for-green-IT-strategy Accessed on 10th Jan 2018@ 4:11 Pm Wednesday

367. https://www.workiva.com/blog/5-steps-effective-strategic-risk-management, Accessed on 6th Dec 2017@3:51Pm on Wednesday

368. http://searchstorage.techtarget.com/opinion/Three-approaches-to-strategic-data-management-Good-better-and-best Accessed on 10th Jan2018@ 4:13 Pm Wednesday

369. www.computerweekly.com/opinion/How-insight-driven-enterprises-use-data-to-forge-strategic-advantage Accessed on 10th Jan 2018@ 4:15Pm Wednesday

370. http://www.computerweekly.com/blog/CW-Developer-Network/MDM-the-art-of-strategic-data-goalscoring Accessed on 10th Jan 2018@ 4:16Pm Wednesday

371. http://searchdatacenter.techtarget.com/tip/Optimize-data-center-virtualization-with-strategic-capacity-planning Accessed on 10th Jan 2018@ 4:17 Pm Wednesday.

372. https://en.wikipedia.org/wiki/Strategic_information_system Accessed on 4th Dec 2017@5:06Pm Monday

373. http://searchdatacenter.techtarget.com/answer/Safety-tips-for-data-center-power-design-and-maintenance Accessed on 10th Jan 2018@ 4:18 Pm Wednesday.

374. http://searchdatacenter.techtarget.com/tip/A-simple-server-maintenance-checklist-for-modern-data-centers Accessed on 10th Jan 2018@ 4:26Pm Wednesday

375. http://searchdatacenter.techtarget.com/answer/Keeping-up-with-containerized-data-center-maintenance-and-repair Accessed on 10th Jan 2018@ 4:27 Pm Wednesday

376. http://searchsecurity.techtarget.com/securityschool/Applying-information-security-management-principles-in-GRC Accessed on 10th Jan 2018@ 4:28Pm Wednesday

377. http://searchdatamanagement.techtarget.com/opinion/Data-managers-apply-data-governance-principles-on-the-sly Accessed on 10th Jan 2018@ 4:29 Pm Wednesday

378. http://searchitoperations.techtarget.com/feature/Applying-the-right-incident-management-process-averts-trouble Accessed on 10th Jan 2018@ 4:29 Pm Wednesday

379. http://searcherp.techtarget.com/podcast/Applying-business-process-management-to-manufacturing-operations Accessed on 10th Jan 2018@ 4:30 Pm Wednesday

380. https://www.investopedia.com/terms/d/datamining.asp, Accessed on 6th Dec 2017@4:14 Pm Wednesday

381. http://searchbusinessanalytics.techtarget.com/ehandbook/Big-data-and-data-mining-team-up-to-help-users-hone-a-competitive-edge Accessed on 11th Jan 2018@ 9:37 Am Thursday.

382. http://searchcrm.techtarget.com/feature/Customer-data-mining-needs-a-governance-plan-to-propel-sales Accessed on 11th Jan 2018@ 9:38 Am Thursday

383. http://searchbusinessanalytics.techtarget.com/tip/Right-data-mining-data-sets-are-a-must-for-proper-predictive-modeling Accessed on 11th Jan 2018@ 9:39 Am Thursday.

384. http://searchcrm.techtarget.com/video/How-AI-IoT-and-big-data-lead-to-new-insights-via-data-mining-in-CRM Accessed on 11th Jan 2018@ 9:39 Am Thursday

385. http://www.computerweekly.com/feature/Combine-data-mining-and-simulation-to-maximise-process-improvement Accessed on 11th Jan 2018@ 9:40 Am Thursday

386. http://searchbusinessanalytics.techtarget.com/feature/Users-tap-mix-of-tools-to-mine-big-data-analytics-architecture Accessed on 11th Jan 2018@9:40 Am Thursday

387. http://searchsecurity.techtarget.com/video/Network-security-improved-by-Cisco-data-mining Accessed on 11th Jan 2018@ 9:41 Am Thursday.

388. http://www.computerweekly.com/news/4500253124/High-performance-computing-and-mainframe-refresh-buffer-server-decline Accessed on 11th Jan 2018@9:44Am Thursday

389. http://searchdatacenter.techtarget.com/opinion/Evolving-IT-needs-and-capabilities-restart-mainframe-vs-server-debate Accessed on 11th Jan 2018@9:44Am Thursday

390. http://searchsecurity.techtarget.com/answer/Is-it-more-secure-to-have-a-mainframe-or-a-collection-of-servers Accessed on 11th Jan 2018@9:45Am Thursday

391. http://www.computerweekly.com/news/2240239261/Executive-interview-lowering-the-cost-of-enterprise-IT Accessed on 11th Jan 2018@9:46 Am Thursday

392. http://www.computerweekly.com/opinion/Zero-in-on-your-zero-day-vulnerabilities Accessed on 11th Jan 2018@ 9:47Am Thursday

393. http://www.computerweekly.com/news/450432686/2017-cemented-cloud-as-the-new-normal-for-enterprise-IT-claims-Synergy-Research-Group Accessed on 11th Jan 2018@9:48 Am Thursday.

394. http://searchsoftwarequality.techtarget.com/definition/requirements-analysis Accessed on 11th Jan 2018@ 9:50Am Thursday.

395. http://whatis.techtarget.com/definition/attack-surface-analysis Accessed on 11th Jan 2018@ 9:50Am Thursday

396. http://searchsoftwarequality.techtarget.com/definition/requirements-analysis Accessed on 11th Jan 2018@9:51Am Thursday

397. http://whatis.techtarget.com/definition/network-management-system Accessed on 11th Jan 2018@ 9:52Am Thursday.

398. https://insights.sei.cmu.edu/cert/2014/11/-vulnerability-discovery-for-emerging-networked-systems.html Accessed on 11th Jan 2018@9:56Am Thursday.

399. https://www.gemalto.com/m2m/markets/mhealth Accessed on 11th Jan 2018@9:59Am Thursday.

400. https://www.gemalto.com/financial/ebanking/ezio-dcv Accessed on 11th Jan2018@10:00Am Thursday.

401. https://www.techopedia.com/definition/24866/software-security/ Accessed on 4th Dec 2017 @4:33Pm

402. https://www.techopedia.com/definition/28639/vendor-management-system-vms, Accessed on 4th Dec 2017 at 4:39 Pm

403. http://searchnetworking.techtarget.com/news/2240217662/BYOD-policies-in-action-Vendors-put-best-practices-

to-work-internally Accessed on 11th Jan 2018@10:03Am Thursday

404. http://searchstorage.techtarget.com/ezine/Storage-magazine/Persistent-storage-readied-for-containerized-applications Accessed on 11th Jan 2018@10:04Am Thursday

405.http://searchcloudcomputing.techtarget.com/news/2240211535/Why-Software-as-a-Service-benefits-trump-IaaS Accessed on 11th Jan 2018@10:04Am Thursday.

406. http://searchstorage.techtarget.com/feature/Is-enterprise-object-storage-ready-to-lead Accessed on 11th Jan 2018@ 10:47Am Thursday

407. http://www.ittoday.info/Articles/Software_Licensing_Negotiations.htm

Accessed on 4th Dec 2017@ 4:53 Pm Monday

408. http://whatis.techtarget.com/definition/information-assets

409. Accessed on 6th Dec 2017@6:27Pm Wednesday

410. http://searchbusinessanalytics.techtarget.com/podcast/Data-science-and-analytics-methods-must-balance-innovation-value Accessed on 11th Jan 2018@10:51Am Thursday

411. http://searchdatamanagement.techtarget.com/ezine/Business-

Information/Managing-the-big-data-ecosystem-requires-agility-amid-disruptions

Accessed on 11th Jan 2018@ 10:51Am Thursday

412. http://searchbusinessanalytics.techtarget.com/ehandbook/Big-data-and-data-mining-team-up-to-help-users-hone-a-competitive-edge Accessed on 11th Jan 2018@10:52Am Thursday.

413.http://searchbusinessanalytics.techtarget.com/news/450422878/Without-communication-machine-learning-for-data-science-goes-nowhere Accessed on 11th Jan 2018@ 10:53Am Thursday.

414. http://searchsecurity.techtarget.com/tip/Tactics-for-security-threat-analysis-tools-and-better-protection Accessed on 11th Jan 2018@ 10:54 Am Thursday

415. http://searchsecurity.techtarget.com/tip/Information-privacy-and-security-requires-a-balancing-act Accessed on 11th Jan 2018@10:56Am Thursday

416. http://searchcio.techtarget.com/blog/TotalCIO/Its-time-for-a-federal-data-protection-act Accessed on 11th Jan 2018@ 10:57 Am Thursday

417. http://searchsecurity.techtarget.com/ezine/Information-Security-magazine/Inside-the-Data-Accountability-and-Trust-Act-and-what-it-means-for-security Accessed on 11th Jan 2018@10:58Am Thursday

418.http://searchmobilecomputing.techtarget.com/news/450419686/Artificial-intelligence-data-privacy-issues-on-the-rise Accessed on 11th Jan 2018@ 10:59 Am Thursday

419. http://searchsecurity.techtarget.com/ezine/Information-Security-magazine/Inside-the-Data-Accountability-and-Trust-Act-and-what-it-means-for-security Accessed on 11th

Jan 2018@ 11:00Am Thursday

420. http://internetofthingsagenda.techtarget.com/blog/IoT-Agenda/Augmented-vs-artificial-intelligence-Whats-the-difference Accessed on 11th Jan 2018@ 11:01 Am Thursday

421. http://searchcloudcomputing.techtarget.com/tip/Assess-the-benefits-and-risks-of-compliance-as-a-service Accessed on 11th Jan 2018@ 11:07Am Thursday

422.http://searchsecurity.techtarget.com/news/450431947/Half-of-business-leaders-admit-to-hiding-data-breach-information Accessed on 11th Jan 2018@11:08 Am Thursday

423. http://searchsecurity.techtarget.com/answer/What-should-you-do-when-third-party-compliance-is-failing Accessed on 11th Jan 2018@11:09 Am Thursday

424. http://searchsecurity.techtarget.com/feature/Threat-Forecasting Accessed on 11th jan 2018@ 11:10 Am Thursday

425. http://internetofthingsagenda.techtarget.com/blog/IoT-Agenda/IoT-and-regulatory-compliance-The-value-in-a-contextual-perimeter Accessed on 11th Jan2018@11:10Am Thursday

426. http://searchcloudsecurity.techtarget.com/tip/How-AWS-Artifact-tackles-regulatory-compliance-for-enterprises Accessed on 11th Jan 2018@ 11:11Am Thursday

427. http://searchcompliance.techtarget.com/video/Data-governance-for-legal-and-regulatory-compliance Accessed on 11th Jan 2018@ 11:11Am Thursday

428. http://searchcompliance.techtarget.com/feature/Compliance-culture-FINRA-shifts-regulatory-focus Accessed on 11th Jan 2018@11:12Am Thursday

429. http://searchcompliance.techtarget.com/photostory/4500249089/Tackling-top-regulation-compliance-challenges/1/Overcoming-legal-and-regulatory-compliance-hurdles Accessed on 11th Jan 2018@ 11:13Am Thursday

430. https://www.webopedia.com/TERM/C/compliance.html

431. Accessed on 6thDec 2017@6:36Pm Wednesday.

432. http://searchstorage.techtarget.com/ezine/Storage-magazine/Improve-data-storage-efficiency-with-archiving-technology Accessed on 11th Jan 2018@11:15Am

Thursday

433. http://internetofthingsagenda.techtarget.com/blog/IoT-Agenda/Collaborative-lifecycle-management-is-a-key-to-IoT-success Accessed on 11th Jan 2018@ 11:16Am Thursday

434. https://www.webopedia.com/TERM/S/Sarbanes_Oxley.html

435. Accessed on 6th Dec 2017@6:41Pm Wednesday

436. http://www.enterprisestorageforum.com/continuity/features/article.php/3485651/Sarbanes-Oxley-Driving-the-Storage-Compliance-Boom.htm Accessed on 11th Jan 2018@ 11:18Am Thursday.

437. http://searchcompliance.techtarget.com/blog/IT-Compliance-

Advisor/Cybersecurity-insurance-only-a-piece-of-data-protection-strategy Accessed on

11th Jan2018@11:24Am Thursday

438. http://searchdatabackup.techtarget.com/opinion/Enterprise-data-protection-strategy-requires-evolution Accessed on 11th Jan2018@ 11:25Am Thursday

439. http://searchsecurity.techtarget.com/feature/Building-a-Practical-Information-

Security-Program Accessed on 11th Jan 2018@11:27Am Thursday

440. http://searchdatabackup.techtarget.com/opinion/How-the-cloud-fits-in-an-enterprise-data-protection-strategy Accessed on 11th Jan 2018@ 11:28Am Thursday

441. http://searchservervirtualization.techtarget.com/answer/Strategies-for-protecting-the-vRealize-Automation-appliance Accessed on 11th Jan 2018@ 11:31Am Thursday

442. http://searchhrsoftware.techtarget.com/feature/HR-leaders-need-to-rethink-their-HR-data-protection-strategy Accessed on 11th Jan 2018@ 11:32Am Thursday

443. http://searchhrsoftware.techtarget.com/feature/Employee-engagement-may-be-best-HR-data-protection-strategy Accessed on 11th Jan 2018@ 11:29Am Thursday.

444. https://www.webopedia.com/TERM/I/interactive.html Accessed on 11th Jan 2018@11:29Am Thursday

445. https://www.webopedia.com/TERM/H/HCI.html Accessed on 11th Jan2018@11:40Am Thursday

446.http://searchunifiedcommunications.techtarget.com/news/2240236892/Blue-Jeans-video-service-Primetime-enables-interactive-online-events Accessed on 11th Jan 2018@11:42Am Thursday

447. http://www.computerweekly.com/news/450427740/All-EU-countries-sign-up-to-implement-digital-by-default-services Accessed on 11th Jan 2018@11:42Am Thursday

448.http://www.computerweekly.com/news/450425401/CeX-breach-shows-personal-data-is-still-vulnerable Accessed on 11th Jan 2018@11:43Am Thursday

449. http://whatis.techtarget.com/definition/StingRay Accessed on 11th Jan 2018@11:47Am Thursday.

450. http://www.computerweekly.com/blog/CW-Developer-Network/Handling-complex-web-sites-its-complicated Accessed on 11th Jan 2018@ 11:44Am Thursday

451.http://searchnetworking.techtarget.com/news/2240209885/DevOps-team-uses-Riverbed-Stingray-to-load-balance-websites Accessed on 11th Jan 2018@ 11:45AmThursday

452. https://www.webopedia.com/TERM/H/HCI.html

453. Accessed on 6th Dec 2017@7:15Pm Wednesday

454. http://whatis.techtarget.com/definition/top-line Accessed on 11th Jan 2018@11:49 Am Thursday

455. http://searchenterprisedesktop.techtarget.com/definition/Windows-Management-Instrumentation-Command-line-WMIC Accessed on 11th Jan 2018@11:51Am Thursday

456. http://searchcloudapplications.techtarget.com/definition/Cl

oudSwitch Accessed on 11th Jan 2018@11:51Am Thursday

457. http://searchitchannel.techtarget.com/definition/monthly-recurring-revenue-MRR

Accessed on 11th Jan 2018@11:52Am Thursday

458. http://searcherp.techtarget.com/definition/sales-and-operations-planning-SOP Accessed on 11th Jan 2018@11:52Am Thursday.

459. http://searchunifiedcommunications.techtarget.com/definition/Learn-IT-Instant-

Messaging-in-the-Workplace Accessed on 11thJan 2018@ 11:54 Am Thursday

460. http://searchcio.techtarget.com/definition/CIO Accessed on 11th Jan 2018@ 11:54 Am Thursday

461. http://searchaws.techtarget.com/definition/Amazon-Web-Services Accessed on

11th Jan 2018@ 11:55Am Thursday

462. https://image.slidesharecdn.com/productionoperations01-100418055837-

phpapp01/95/production-operations-management-14-728.jpg?cb=1271571010

463. Accessed on 6th Dec 2017@ 7:28Pm Wednesday

464. http://www.brianmadden.com/opinion/A-closer-look-at-VMware-Workspace-One-Mobile-Flows Accessed on 11th Jan 2018@ 11:58Am Thursday

465. http://internetofthingsagenda.techtarget.com/blog/IoT-Agenda/Embracing-the-Emergent-Era Accessed on 11th Jan 2018@11:59Am Thursday

466. http://searchsecurity.techtarget.com/feature/Comparing-the-best-mobile-device-management-products Accessed on 11th Jan 2018@12:00Pm Thursday

467. http://internetofthingsagenda.techtarget.com/blog/IoT-Agenda/Embracing-the-Emergent-Era Accessed on 11th Jan 2018@ 12:02Pm Thursday

468. http://searchsecurity.techtarget.com/definition/data-breach

469. Accessed on 6th Dec 2017@7:42Pm Wednesday

470. http://www.computerweekly.com/ehandbook/ASEAN-CIO-Trends-2017-1

Accessed on 11th Jan 2018@ 12:05Pm Thursday

471. http://searchhrsoftware.techtarget.com/feature/Employee-education-and-cloud-technology-vital-to-HR-data-protection Accessed on 11th Jan 2018@ 12:05Pm Thursday

472. http://www.computerweekly.com/news/450425401/CeX-breach-shows-personal-data-is-still-vulnerable Accessed on 11th Jan 2018@12:06Pm Thursday

473. http://searchhealthit.techtarget.com/tip/Policy-technology-foster-HIPAA-compliance-and-data-breach-prevention Accessed on 11th Jan 2018@12:06Pm Thursday

474. http://whatis.techtarget.com/definition/network-intrusion-protection-system-NIPS Accessed on 6th Dec 2017@7:50Pm Wednesday

475. https://en.wikipedia.org/wiki/Customer_engineer

Accessed on 7th Dec 2017@10:25 am Thursday

476. http://searchcrm.techtarget.com/video/Customer-expectations-rise-while-customer-personalization-stagnates Accessed on 11th Jan 2018@12:08 Pm Thursday

477. http://searchcio.techtarget.com/video/Two-speed-IT-key-to-meeting-insurance-customer-expectations Accessed on 11th Jan 2018@ 12:08Pm Thursday

478. http://searchcio.techtarget.com/video/Meeting-customer-expectations-will-soon-require-AI-investments Accessed on 11th Jan 2018@12:09Pm Thursday

479. http://searchsecurity.techtarget.com/news/4500249435/Hacking-Team-internal-documents-released-after-massive-data-breach Accessed on 11th Jan 2018@ 12:12Pm Thursday

480. http://searchsecurity.techtarget.com/news/450427269/Deloitte-hack-compromised-sensitive-emails-client-data Accessed on 11th Jan 2018@12:12Pm Thursday

481. http://www.computerweekly.com/microscope/opinion/International-Womens-Day-web-site-hit-by-DoS-attacks Accessed on 11th Jan 2018@12:13 Pm Thursday.

482. http://www.computerweekly.com/news/2240086139/Inadequate-security-responsible-for-90-of-security-incidents Accessed on 11th Jan 2018@12:14Pm Thursday

483. http://searchsecurity.techtarget.com/tip/Hack-avoidance-tactics Accessed on 11th Jan 2018@12:15Pm Thursday

484. http://www.computerweekly.com/blog/Quocirca-Insights/How-printers-can-be-a-launchpad-for-malware-attacks Accessed on 11th Jan 2018@ 12:15Pm Thursday

485. https://www.webopedia.com/TERM/D/data.html

Accessed on 7th Dec 2017@10:42am Thursday

486. https://www.webopedia.com/TERM/S/storage_networking.html

Accessed on 7th Dec 2017@10:49Am Thursday

487. https://en.wikipedia.org/wiki/Market_engineeringAccessed on 7th Dec 2017@11:04 am Thursday

488. http://searchnetworking.techtarget.com/news/450421527/Cisco-and-Apple-alliance-deepens-targets-security-and-Wi-Fi-projectsAccessed on 11th Jan 2018@12:17Pm Thursday

489. http://www.computerweekly.com/news/450402310/Check-Point-Huawei-join-Intel-Security-Innovation-Alliance Accessed on 11th Jan 2018@12:17Pm Thursday

490. http://www.computerweekly.com/news/450428540/Security-industry-more-open-integrated-and-collaborative Accessed on 11th Jan 2018@12:18Pm Thursday

491. http://www.computerweekly.com/news/450432690/2018-could-be-year-of-critical-infrastructure-attacks-says-report Accessed on 11th Jan 2018@12:19Pm Thursday

492. http://www.computerweekly.com/news/450432696/Patch-systems-against-

Meltdown-and-Spectre-urges-ICO Accessed on 11th Jan 2018@ 12:19Pm Thursday

493. http://www.computerweekly.com/blog/When-IT-Meets-Politics/Can-democracy-and-the-advertising-funded-Internet-survive-the-war-of-the-algorithms Accessed on 11th Jan 2018@ 12:20Pm Thursday.

494. https://www.ibm.com/support/knowledgecenter/SSLKT6_7.6.0.7/com.ibm.mbs.doc/gp_multiple_sites/c_ctr_sets_orgs.html, Accessed on 7th Dec 2017@11:20am

495. http://www.brianmadden.com/opinion/The-top-5-considerations-for-migrating-to- Microsoft-Office-365 Accessed on 11th Jan 2018@ 12:22Pm Thursday

496. http://www.brianmadden.com/opinion/PolicyPak-MDM-lets-you-deploy-native-Group-Policies-via-MDM Accessed on 11th Jan 2018@ 12:22Pm Thursday

497. http://searchcio.techtarget.com/tip/Loose-coupling-tight-data-access-minimize-security-risks-of-new-tech Accessed on 11th Jan 2018@ 12:23 Pm Thursday.

498. https://www.cert.org/insider-threat/best-practices/ Accessed on 7th Dec 2017@11:28Am Thursday

499. https://www.cert.org/insider-threat/best-practices/ Accessed on 7th Dec 2017@11:33am Thursday

500. http://www.computerweekly.com/tip/Ten-tips-to-improve-SCADA-security Accessed on 11th Jan 2018@12:24Pm Thursday

501. https://insights.sei.cmu.edu/sei_blog/2014/03/unintentional-insider-threat-and- socialengineering.html?wt.ac=hpBlog Accessed on 11th Jan 2018@ 12:44Pm Thursday

502. https://www.networkworld.com/article/2280365/lan-wan/13-best-practices-for-preventing-and-detecting-insider-threats.html Accessed on 11th Jan 2018@12:48Pm Thursday

503. http://searchsecurity.techtarget.com/tip/Five-common-insider-threats-and-how-to-mitigate-them Accessed on 11th Jan 2018@ 12:49Pm Thursday

504. https://image.slidesharecdn.com/theofflineindustryisnoexceptionatechnologicaltransformation-170421083227/95/the-offline-industry-is-no-exception-a-technological- transformation-3-638.jpg?cb=1492763558 Accessed on 7th Dec 2017@11:36am Thursday.

505.http://www.computerweekly.com/news/450432556/Government-yet-to-fully-embrace-digital-says-IoD-report Accessed on 11th Jan 2018@12:26Pm Thursday

506.http://www.computerweekly.com/news/450428543/Government-cuts-cost-of-network-infrastructure-roll-out Accessed on 11th Jan 2018@12:27Pm Thursday

507. http://www.computerweekly.com/blog/When-IT-Meets-Politics/Skills-for-the-world-of-the-future-AI-Big-Data-Robotics-etc Accessed on 11th Jan 2018@12:27Pm

Thursday

508. https://wcs.smartdraw.com/pest-analysis/img/pest-analysis- diagram.jpg?bn=1510011101 Accessed on 7th Dec 2017@11:41am Thursday.

509. http://www.computerweekly.com/microscope/opinion/Theres-nothing-to-beat-good-honest-deception Accessed on 11th Jan 2018@ 12:51Pm Thursday

510.
http://internetofthingsagenda.techtarget.com/blog/IoT-Agenda/IoT-as-a-solution- for-precision-farming Accessed on 11th Jan 2018@ 12:52Pm Thursday

511.
http://www.computerweekly.com/news/2240089100/RSA -2009-McAfee-unveils-predictive-security-plan   Accessed on 11th Jan 2018@ 12:52Pm Thursday

512.
http://searchcompliance.techtarget.com/definition/risk-assessment Accessed on 11th Jan 2018@ 12:54Pm Thursday

513.   http://searchdatacenter.techtarget.com/tip/Security-metrics-examples-to-protect-your-data-center Accessed on 11th Jan 2018@ 12:55Pm Thursday.

I hereby declare I am the Author of my dissertation.

I hereby authorize Charisma University to allow the usage of this dissertation only for scholarly research. I further ask Charisma University to use my dissertation only within the university for research purposes only and not for other Institutions.

Rohit Kumar Nanduri

Student ID NAN 12442

27th March 2017 started program Graduated April 10th 2020

Under supervision of Department of Business: La Sondrick Bridges

S.NO.	CHAPTER NO.	CHAPTER NAME
1	1	INTRODUCTION
2	2	MODERNIZATION OF INFORMATION TECHNOLOGY IN VARIOUS ASPECTS & PERSPECTIVES
3	3	MODERNIZATION OF TECHNOLOGIES : A STRATEGIC OUTLOOK OF INFORMATION SYSTEMS
4	4	RESEARCH METHODOLOGY
5	5	BIBLIOGRAPHY