

TITLE PAGE

**DESIGN AND IMPLEMENTATION OF AN E-LEARNING MANAGEMENT
SYSTEM**

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SUBMITTED TO

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IN

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CERTIFICATION

This project titled, **DESIGN AND IMPLEMENTATION OF E-LEARNING MANAGEMENT SYSTEM**, prepared and submitted by **OTUNBA OMOTOMIWA** of matriculation number 16010301031 in fulfilment of the requirements for the degree of **BACHELOR OF SCIENCE (Computer Science)** is hereby accepted.

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DEDICATION

I dedicate this project work to God Almighty in heaven for his immense mercies, protection and direction to me, throughout my stay in school.

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ABSTRACT

The need to acquire information or maybe to discover has risen, therefore, the existing engineering had gone an extended method to provided means to discover, regardless of the location or the distance of the E learner as well as source of info. This's attained via electric sharing of virtual classroom and info. Nevertheless, virtual classroom as well as text based e-learning is actually a method design to assist pupil increase access as well as acquire knowledge at any sort of faculty of the choice of theirs. This particular technique of learning is going to enhance face - to - face instruction or maybe campus, use of computer of elicitation as well as classrooms of info with the World Wide Web (WWW) improved distance education (on or perhaps off campus). Individual and team learning with each print and pc based resources.

With all these, virtual classroom as well as examine based e learning awareness is actually moving towards every pupils as well as staff members of Mountain Top University (for instance) being an e- learner at least for part of the study of theirs, this might be through learning components e- mails contacting tutors or perhaps submitting assignment, the usage of site for study or even some one of the myriad e- learning program. As a result, staff members or perhaps pupils mustn't travel to America to acquire knowledge. In addition, info could be send to pupils abroad via online.

Never the less, in this particular research work, chapter one works with the introductory portion of some definition and this work of terms chapter 2 works with literature review and

other significant comment, chapter 3 talks about the description as well as analysis of the current system, chapter 4 works with the system implementation as well as programming, chapter 5 will be the summary, recommendation and conclusion.

CHAPTER ONE

1.0 INTRODUCTION

Virtual e- learning is actually a system created to assist pupils gain access as well as acquire knowledge at any sort of faculty of the choice of theirs. It is able to include: Enhance face - to- face instruction (on campus, in class use of computer and also the World Wide Web (WWW), improved distance education (on or perhaps off campus) people as well as team learning with each computer based materials instruction and print completely on line (individual as well as group learning) due to this particular mix virtual classroom as well as text based e- learning knowledge is actually moving towards every pupil being an e- learner at last for part of the review of theirs, whether through learning materials, e mail for contacting teachers/ tutors or perhaps any one of their myriad different e learning uses.

Internet learning benefits to learning along with other helpful energy which are readily available with a personal computer and it provides pc based education, pc based technology and instruction. The e-learning method use text messages to provide information as well as info. E-Learners or perhaps student are going to be in their pc receiving lectures like they are in classroom. It has gone an extended way assisting e learners to acquire amount in the institution they have never seen.

1.1 BACKGROUND OF THE STUDY

Web as worldwide connection of computer systems sited all over the world forming substantial network for info to be discussed as well as disseminated by several huge numbers of people has been doing extremely effectively in info technology and in training so to speak.

Virtual classroom as well as text based e learning can't be an exception. Frequently time's pupils encounter a great deal of hard in the pursuit for fundamental information from greater institution of the decision of theirs, not for the reality that the individual does not have information to acquire them though the danger in going out of the reported institution anywhere the visitor may be present issues. To be able to decrease these risks, satellite pc had been established but didn't resolve the issue of traveling out from one's area to the stated location of quest for understanding.

With this regard, Mountain Top University competes with a lot of institutions, this often lowers the number of pupils enrollment in the school to the above listed issues the method "virtual classroom as well as text based e- learning was created with this Mountain Top University will have a huge number of pupil in which she does not provide some accommodation or maybe any framework for but still acquire very much grounds economically and pupils around the globe suffer much less in having any of Mountain Top University's certificate.

This is created this before any person is able to take part must register. Pupils have free registration form but lecturers should provide their staff selection that tally with the surnames of theirs before they've access to registration form. One month is actually giving to pupil to spend his/her school costs following registration to get rid of his/her title from the database.

This can go along way increasing student's enrollment of the institution. The device has extremely security aware software program which resides in the ever helping besides those supposed. To have seen as well as observed. To have seen as well as observed this advantage to pupils in an unprecedented scale.

In fact, this seems fascinating to the academic pursuit of mine of Mountain Top University. Perhaps this calls for setup.

1.2 STATEMENT OF THE PROBLEM

As a result of the issues pupils discover & encounters, it's not been simple for pupils to get necessary and basic training in almost any institution a person wants regardless of this reality which the materials can be found. This poses a great deal of issues at times they are going to embrace not planning to classes in any way. It's pretty unattainable for a pupil inside America or maybe some additional state beginning to Mountain Top University each day for lectures additional thus, it is going to be improbable for Mountain Top University employees visiting America or maybe some other state in which the pupils could be situated daily to provide lectures.

Occasionally in case quantity of pupils improve decrease in student' admission is going to be influenced to be able to supplied satisfactory buildings exactly where they are able to have their lectures. The above mentioned perspectives are actually what provided birth to re-search function to be able to locate treatment for them.

1.3 PURPOSE OF THE STUDY

The objective of the analysis is actually finding solution that is feasible strategy to pupils whom due to nearness to institute as well as aren't able to get understanding which they

require. Once again, to offer pupils simpler method to get the Mountain Top University certificates without the need of been within the institute or perhaps with fewer challenges. Notwithstanding the reality which various other institutes that provide similar classes as Mountain Top University are present, it will go long lowering the competitors of her with them. Because the method is actually virtual, that's generally there is going to be less bodily communication in between students, their Mountain Top University and instructors, the issue system is actually resolved.

1.4 OBJECTIVE OF THE STUDY

As the saying goes "scientia st potential" that's expertise is actually power". The goal on this analysis is actually providing the pupils all of the info required in almost any topic that is actually carried out through this amazing institute, Mountain Top University. Again to guarantee that here pupil fulfills the present pattern to academic environment all around the globe. This can go quite a distance pulling in Mountain Top University to become conscious of fashion within gain and technologies to which makes them have wants for additional on line provisions as well as computerization within the institute.

1.5 SCOPE AND LIMITATION OF THE STUDY

The undertaking is worried together with the virtual e learning structure documents which are actually transferable to the web. It must stay in type of copy file (.txt), abundant textual content documents (.rtf) or maybe hypertext mark up words file (.html).

LIMITATIONS

To always be candid, I came across a great deal of issues while undertaking this particular exploration work. It was not simple for me to have information applicable because of this analysis. The most significant item I required was classes Mountain Top University was performing. I requested that coming from various facilities of that I had been informed to move from a single division to the next to gather them. Finally I could obtain a few and some coming from Mountain Top University library. The undertaking effort is a tasking task that calls for commitments, money, and time. Because of insufficient resources in order to meet each materials as well as supplies which are utilized, I'd to help make do along with other tasks while the task was taking place.

1.6 DEFINITION OF TERMS

COMPUTER: an electric gadget which is actually effective at admitting information, processing information instantly, retaining it, creates the effect in which necessary.

VIRTUAL CLASSROOM: is actually an action of utilizing IT equipment to disperse or even discuss awareness involving categories of learners. It's not likely to be actually however the usage of appliances.

E - LEARNING: it's an acronym of electronic learning it's an issue of virtual classroom which is actually focused on sharing of expertise electronically by utilization of copy video clip, internet or even some additional IT resources.

FILE: this's a set of relevant documents.

VEL: This's the acronym of virtual electric learning

PROGRAM: some rational directions together in concert to do a certain job to a certain issue as well as giving treatment for it.

IT TOOLS: is actually some devices methods etc. utilized in info technologies.

OUTPUT: outcome of the ready-made details near the pc.

INPUT: information provided to the hp elitebook 8740w mobile workstation for processing.

IT (Information Technology): it's a mixture of computing as well as telecommunication facility.

DATA: raw supplies utilized by the pc.

INFORMATION: ready-made information effective at fixing a problem

E-MAIL: electronic-mail that is actually a substitute of HIPOST. This's the usage of on - series pc to transmit mail messages throughout the web.

STORAGE SPACE DEVICES: an unit for saving details within the computer

COMPUER NETWORK: it's a link of 2 or maybe a lot more pcs making use of particular process like they talk about information or maybe info inform of textual content, sound, mail or emails.

WWW (World Wide Web): this is a structure that any of us utilize to develop site.

WEBSITE: it is info associated with a specific individuals, unique, status, countryside and so on generated offered to be observed or even can easily obtain on the web.

HOST COMPUTER: the primary electric unit which manipulates all of the specified information as well as create the necessary end result to the person attached to it for info retrieval.

INTERNET: it's a worldwide link of computer systems sited all over the world being created substantial community for info being discussed by countless individuals.

E-LEARNER: individual who utilizes web to get queries for expertise on the web.

LAN (local region network): may be the hookup of 2 or maybe a lot more pcs in one's boundary.

LOGIN: to hook up to the weighing machine as well as generate utilization of info that is free supplied by the custom inside a few assortment of specification.

LOG OFF: it in close proximity one's gain access to in the web site the individual was utilizing.

LEARNING: procedure for obtaining consent.

CHAPTER TWO

2.0 LITERATURE REVIEW

Economic, technological and social forces consistently alter the worldwide economic climate, as well as the way of living in deep business as well as the globe. For certain, the forces have and also carry on and revolutionize learning and coaching of businesses. (Weggan and urban, 2000), associated that, know-how, the fast obsolescence of training and expertise, the demand for just-in-time instruction shipping and delivery, as well as the hunt for economical means, in order to meet mastering requirements of an around the world sent out workforce have redefined the tasks which underlie layout, delivery and growth of degree and training at the office.

Additionally, urbanized as well as Weggan connected that this demand for various mastering clothes aiders as a result of ability gab as well as market hangs & need for adaptable coaching as well as long-term mastering evolution, nonetheless, a number of phrases are placed on characterizes the originality as well as response that's been taking place. Several phrases are actually: E learning distributed learning, on line learning, web based learning as well as distance learning. The objective of this particular aisle is actually 2 fold. For starters, to write the review of as well as summarize definitions relevant to E learning, next, to solidify an effort phrase in addition to characterization with the NCSA energy. (Sahm, 2002), described pc used instruction (CBT) as generally presented through CD ROM or perhaps being a net download and also it's generally multimedia based instruction. (Karon, 2000), talked about the usefulness aspect of well- designed computer based education by stating that virtually any well designed computer based instruction. No matter whether it's networking based mostly or even shipped through the web tends to be handier compared to conventional instructor led instruction or perhaps training seminars. Karan proceeded to express that here self-paced

CBT program can be found when learners are actually prepared to have them not only if the workshop is actually slated or maybe the teacher can be obtained. (Hall, 1997), integrated each (Zahm and Koran, 2000) definitions by underlining computer based running as being an all-encompassing phrase utilized for describing some computer system shipped education as well as World and CD-ROM Wide Web. HALL additionally defined that several individuals make use of the UBT phrase to refer and then outdated period, text only instruction. Similar to CBT, internet instruction was categorized as being an all-encompassing phrase which describes other training courses carried out having your personal computer with the internet and a networking (Gotschall, 2000). Gotschall supplemented that internet knowledge is likewise often known as web based instruction. Urbanized as well as (Weggan, 2000) linked which web based learning by Internet, Extranet and Intranet. They included which amounts of sophistication of on line learning differ. It is able to expand coming from a simple on line mastering system which contains graphics and textual content of this program, workouts, assessment as well as history to keep including examination scores as well as guide marketplaces to a complex internet mastering plan. Sophistication would consist of video sequence, audio, simulation, or animations, peer as well as export conversation organizations, web based keeping track of, links to resources on the web or corporate intranet, as well as interaction with business training captures. (Schreiber four BERGE, 1998) agreed with Gotschall (2000) along with purported which internet learning's nay engineering grounded learning, that's info now available for guidance access. They included this generally means linkage to a pc. Because of the wide meaning of internet education, it'd seem to be safe and sound to believe that here we based instruction is internet instruction. (Hall, 1997) defined net education as instructions which is actually presented on the internet or perhaps with a business's Intranet.

Accessibility on this instruction, associated Hall, is actually via the usage of a web browser, like course-plotting. (Snider and hall, 2002) defined E Learning since the procedure of understanding through pcs on the internet as well as Intranet. Hall as well as snider given E learning is known as web based education, web based education, sent out technologies or learning for learning. Distance learning, however wasn't incorporated within the E learning characterization plus was described as the own entity of it as being a mastering progression conference 3 criteria: a geographical distance separates interaction involving the instructor as well as participant. The interaction is actually 2 methods as well as interactive: and several phrase engineering is actually utilized to facilitate the mastering procedure. (Hall, 2000) contends which E learning sick consider the type of total to ingredients almost all classes being a quick, appropriate assets to become a lifetime very long procedure, which may be seen anyplace at any time in order to meet a certain demand or even wish. Hall included which the back links of theirs to real time details along with investigation will be being sold. Because of the further advancement on the definitions, then net education on the internet learning, e learning, sent out learning, web grounded studying almost all talk of one another, (Hall as well as snider, 2000: urbanized & Weggan, 2000).

Additionally to E learning and the associated phrase of it is actually technology based learning. (Urbanized as well as Weggan 2000) Urbanized and Weggan shared E learning addresses a broad group of procedures and uses, which includes computer based learning. Web-based learning, digital collaborations and virtual classrooms because of the goal of the article of theirs, they more customized the characterization of theirs of this shipping and delivery of information through just about all electrical press, which includes the World Wide Web, intranet, satellite, transmitted, audio/video tapes, active TV, and also CD ROM. They warned, nonetheless, that could have text based learning as well as programs done through written correspondence. Just like (Hall four snider 2000), Weggan and Urban (2000) have

adjusted apart distance learning as well as E learning in the glossaries of theirs, producing however, E learning inclusive and also associated to other computer related program, equipment as well as system who have somewhere between smartly aimed to value aided discovering as well as coaching procedure. (Berge, 1998) clarified the distinction between distance training as well as distance learning. Distance training was viewed as proper procedure for distance learning, with info remaining wide for range, for instance, university training course while distance learning was viewed as the acquisition of instructions, surrounding each systems along with other styles of studying for distance. This might be the reason why the majority of educational facilities make use of the phrase distance degree within going over 5 institutional meaning of distance training, these had been the primary tenants. Historically, it suggested learner interaction. Utilizes sound, video clip as well as laptop or computer systems as shipping modes.

Shipping modes develop as technologies expands and also increases. (Gotschall, 2000) described distance learning as an extensive price of lectures to distance places, typically video business presentation.

(SNIDER and HALL, 2000) as stated before, recognized distance learning with 3 criteria: they are actually: a geographical distance separates interaction involving the participant and also the instructor, the interaction is actually 2 methods as well as active, as well as phrase of technologies is actually consumed to facilitate the mastering procedure. (WILLIS, 1994) in the definition of his meaning of distance learning determined the acquisition of ability and expertise as various requirements and also supported the former 3 requirements by stating the info as well as instructions encompassed other styles and each systems of understanding with a distance. (Portot, 1997) shared which distance learning was training or maybe education provided to leanings that are in area that is different as opposed to the resource or maybe provider of instructions. Portot proceeded to convey that this systems utilized in distance

learning, the framework of a training course or maybe system and also the level of supervision for distance mastering program could be versed in order to meet a certain team requires or even curiosity. Reverting to (Halls, 2000) contention of E learning in all of the addition type, distance learning as intended active classes since the acquisition of abilities as well as expertise with a distance by way of different technological moderate would attended to become among e learning likely disguises. Oddly enough, Urban as well as Weggan (2000) watched E learning being a subset of distance learning, internet learning. Because of the shoes review of characterization on everything the phrases "subset" doesn't seem to be probably term for describing the connection with the text as well as the types of theirs. The description reveals a fantastic level of interdependence included in this selves. While one individual might directly determine a phrase, another individual might provide it with the all-encompassing strength. It communicates which E learning whenever provided the just about all surrounding of, could be the bigger group of that any other types will be overlapping for occasions that are quite different as well as extents provided the subscribers goal of theirs. An additional explanation because of this option would be the "just contained time" learning is actually a significant benefit of E learning. Uses planned programs or even intended encounters. E learning doesn't just appreciate the unplanned along with the person directness of this learner to optimize suggested learning how to enhance overall performance, the NCSA E-learning team characterization.

E mastering will be the acquisition as well as utilization of expertise sent out and also facilitated largely by electric ways. " Superfoods" of understanding presently depends upon laptop or computer and networking but is likely to evolve to method comprising of an assortment of stations (e.g. wireless, satellite) as well as systems (e.g. cellular cell phones as they're designed as well as adapted). E-learning is able to have the type of training course in addition to smaller sized learning items as well as modules. E-learning might include

asynchronous or synchronous gain access to or might be sent out geographically with mixed limitations of period.

2.1 STRATEGIC IMPORTANT OF E-LEARNING

This particular idea of this mastering business (Watkins as well as Marstek, 1999) has developed exponentially aided by the technological era. (Grey as well as Bacon, 2000) linked which nowadays, company together with the company mastering business have ascended to a role of strategic visibility within the context of handling as well as expanding the business. (Urbanized and Weggan, 2000) determined the knowledge based economic climate shipped as well as massive understanding gaps as substantial fashion which have granted rise to E learning. Additionally, they pointed out which the 2nd biggest industry on the US economic climate will be the \$772 billion training business. The increase in complexity and velocity of the work environment brought about by technology changes are also major issues that have fueled the demand for E-learning McCrea, Gay and Bacon 2000 presented the sight from the industrial to the knowledge or rapid technological change, the ever shortening product developmental cycles lack of skilled personnel, enterprise resource planning and migration towards value chain integration and the extended enterprise as being prominent contributors to the E-learning value chain. McCrea, Gay as well as Bacon 2000 additionally realized the strong economic climate as well as the more and more cut-throat worldwide internet business atmosphere as center to the E learning campaign.

(T.Coll, Kalakota and Lowy, 1998) associated which the cut-throat atmosphere calls for businesses to operate in concert to make internet community of value, suppliers, and customers additional procedures, that's, an E business society (EBC). The fashion talked

about previously have created a number of internet business problems which have to get immediately dealt with whether businesses are actually retaining the competitive quality of theirs. (T.Coll, Kalakota and also Lowy, 1998) noted an E- internet business method needs to anchor on these forces when examining an E business society. For starters, the redefinition of worth should be resolved as wealth development interaction, commerce as well as division converse on typical digital networked OS's. Business boundaries blur, leading to suppliers to rethink the foundation of worth development. Next, digital understanding economics should be known very well given that hoarding know-how is actually a regular countertop effective also extremely difficult. Within the digital economic climate, understanding have to be discussed. Thirdly, info engineering is actually operating alter all over. As a result, each executive in each and every business should adopt the rate and also dynamic of this info know-how sector.

Fourthly, tasks company procedures, businesses as well as whole industries confront elimination or even digital transformation. What this means is the buyers will probably be getting both concrete (quality as well as intangible advantages and cost) (info, influence, as well as relationships) even though they add more than much more importance to the product. Finally, the digital implosion drives desegregation as well as specialization undermining the economic rationality belonging to the horizontally or vertically incorporated tight. Digital information decreases monetary cost and time price of control and information.

(T.Coll, Kalakota and Lowy, 1998) included it's currently economically practical for diverse and large group of individuals to hold the info they have to generate secure choice within close to actual period. Businesses are able to boost wealth with the addition of know-how worth to item via customization, cost reduction, enhancement, or innovation within each and every phase within the daily life cycle of its. The E business forces talked about previously established the point for E learning approaches value. As businesses digitally transforms the

business of theirs, understanding as well as education gets fast complete, just-in-time instruction simply because fundamental survival need to have, as well as identification of economical methods for attaining a varied worldwide workforce turns into important.

(HALL as well as KORON, 2000) capitalized accessibility of programs by online and intranet, education could be self-paced, option of instruction within anytime and put, education becoming more affordable as well as decreased or perhaps removed traveling period. Urbanized as well as Weggan, 2000, put in that a greater retention of information via personalized learning is achievable simply because technologies grounded answer allows for a lot more space for specific disparities within mastering colors. In addition, they highlighted enhanced efficiency and effort amid pupils since the internet atmosphere provides situation when scientific studies, story revealing to, demos, role playing, as well as stimulation along with some other resources. Together this particular moment, Urban ,Weggan an additionally commented which internet knowledge is less money intimidating that supports testing out things that are new as well as generating errors. As a result, in the event that instruction as well as advancement underline discrete tasks, off of edge classroom based upon simply just in case learning, imbalance, with company is actually goals as well as through arrives, unfamiliar competency spaces, 1 dimensions satisfies each viewpoint and also the instruction division is within the rear business office business are much by attaining the strategic value of digital economic climate as well as digital learning. The organizational way of life of theirs is within frantic demand of alter.

2.2 ORGANIZATIONAL CULTURE

A crucial concern, (Hesket and Koller, 1992) connected it's valuable to consider of organizational framework as owning 2 amounts which differs within phrases of the visibility

of theirs as well as the opposition of theirs to switch. With the greater & much less obvious fitness level, Heskett and Koller associated the way of life means appreciate which are shared by individuals within cluster inside team which often persist as time passes no matter if team club membership patterns or maybe kind of a group which staff members are instantly inspired to stick with by the fellow employees of theirs. Nations, then simply of what's essential within businesses can vary, Heskett and Koller selected could technological development as well as worker wellbeing for being probable values that could underline businesses.

(Malekzadeh and Nahavandi, 1993) talked about assumptions caused by a business results as well as disappointment for coping with the planet. These assumptions encompass a business's simple viewpoint as well as planet perspective as well as condition the manner the planet and also any other occasions are actually perceived as well as disrupted. Assumptions and values conduct coupled with organizational leadership dynamics that connect as well as recognize the people in businesses. (Mallekadeh and Nahawandi, 1993) shared which frontrunners effect society by choosing approach as well as bodily environment of this organization. In fact, developing a cautious comprehension of the 3 amounts of way of life which purposeful impact in the organization of yours precedes for E learning strategic strategy. The strategic value earlier talked about for embedded kin a threat clear setting. Therefore an E learning strategic strategy which dealt with the organizational way of life of it has very little viability.

(Harrell, 1998) related this throughout 1997, the Meta team found that thirty two of forty one businesses surveyed had calculated sizable return shipping on the funding of theirs in deep intranets as well as 2 firms had been in close proximity to busting actually. Involving the 7 businesses in which intranets weren't driving worth, the survey disclosed that this term earth became a significant inhibiting element. The article associated which organizational society

positioned value that is high on the natural world on the Intranet is within immediate struggle with the fundamental company of theirs.

(Goodman and Huseman, 1999) warned that this road to getting, program that is brand new as well as looking at buyers and workers in a different way. Huseman as well as Goodman proceeded to express which, of course, chances are actually propitiate to incentives probably the most serious threat for business leader is to not whip choices which will walk these to being an awareness organization. (Harreld, 1998) lengthy that imposing fresh systems as well as managing tasks for a lifestyle that's not ready to take hold of is actually useless, know-how managing calls for individuals to think in a few pretty counter cultural methods including revealing the know-how of yours with everyone else, helping the errors of yours public as well as investing a massive amount period which awareness in depth companies don't function right being an organized, departmentalized, hierarchical business.

Expertise in depth firms' is most effective as procedure, networking, way of life as well as sector spot for mutual learning as well as understanding. Furthermore, Nurmi talked about that method could not been effective by using above, but emerges by method of strategic learning and also increases inside a primary competence, the location where the know-how of the demand and also the business of its clients met. McCrea, Gay as well as Bacon (2000) within talking about company E learning business, realized which worker great isn't just assessed through the capability of perform approach as well as control teams, but additionally their residual of the work know-how they've amassed in the course of the tenure of theirs in a different way.

(Kanfi and Khjanchi, 2000) realized that each company business could have a distinctive fix based on the business of it requires as well as existing setting. Therefore, all of the following findings: XEROX utilized an individuals pushed strategy within developing the program of

its. The owners of Eureka at giving Xerox had been famous for authoring as well as validating helpful fixes suggestions HP granted at bay air carrier long distances for efforts to the coaches of it.

2.3 TRAINING POST

Amount granted incentive as well as realized to inspire sharing. The business would like to generate expertise posting part of yearly comment on the workers. Ernest as well as Youngs Sencor managing supplied intense for expertise managing like a vital cut-throat benefit sharing. No matter whether it's E learning or maybe understanding managing, organizational way of life plays job that is crucial in the living of theirs. The strategic value, the growth and worldwide problems as well as analysis of E learning assessment within this article heighten the significance of organizational society within cultivating as well as keeping E learning businesses coaches within an E learning era.

The technological development is pervasively and constantly altering the way in which whereby functions is actually completed, which often calls for which workplaces mastering as well as education to take place over a merely in period, just what? Required as well as just exactly where it's required foundation.

(Bassi, Cheney and also Van Bureni 1997), E learning is actually turning into a majority for cooperate instruction (Chule, Hancork and Thompson, 1999: Galagan, 2000) while there's a great deal of learner connected info, studies that are restricted research has explore necessary trainers' ability and role within an E learning situation (Abernathy, 1998) this particular aisle critiques and also talks about coaches roles as well as competencies.

2.4 TRAINER'S ROLE

A lot of scientists are in agreement this technologies won't ever change instructor or maybe educational designers, but know-how comes by using it a lot more needs for cooperation and teamwork with a several cluster of employees (Reddy and Wagners, 1999). Coaches, within certain will have to have a brand new roles as the job style of theirs as well as setting switches. All of the following is actually an evaluation on the trainers' roles. The standard instructor roles include things like educational custom, educational creator, instructor along with supplies supporter. For an educational custom, the instructor runs the original evaluation as well as educational style responsibilities. She or he additionally suggestions on the right course workouts as well as modification.

For an educational creator, the instructor creates program substances, as well as grows overhead. An instructor additionally does program growth, since informed about program flow, the learners how you can make use of the know-how. Being a components supporter, the instructor creates the instruction materials; manuals, overheads, graphics, workouts therefore fort (Abernathy, 1998) finally, a fitness instructor additionally facilitates & now are interested in technologies assistance, facility assistance, the distant web site facilitating.

(Chute, Sayer, Gardner, 1999) within carrying out know-how assistance, the instructor might select the know-how as well as assistance to set up the gear. Instructor might also find out how to work with technologies. As distant web site as well as technologies supporter

facilitators. As facility supporters the instructor a lot of make certain lengthy distant web sites are actually established as well as operable. The instructor as distant web site facilitators, coordinate know-how problems together with the facility supporter as well as distant web sites facilitators, coordinates just about all distant site set up and then make certain that this technological innovation functions welcomes pupil to category and it is accessible to pupils providing you will find difficulties certain specialized ability include: wedge ability; correspondence ability by laptop engineering expert, html as well as net analysis abilities. Additionally, technologies allowed knowing essentially modifications the locus of influence in the fitness instructor to the learner.

2.5 TRAINER'S COMPETENCES

Because of the transforming dynamics of trainers' function the competencies of theirs are actually essential. 4 competency groups will likely be talked about. They are actually; comprehending adult learners, educational competencies, private competencies (WEINSTAIN, 2000) laptop ability, strategic setting up abilities and company. Just about all coaches are actually likely to recognize the following:

1. Adult would like useful awareness, not theory
2. Adult have desirable to learn approach
3. Adult learners are actually unique and diverse
4. Adult learners are actually inspired & curious
5. Adult learners currently have a lot experience and also understanding
6. Adult learners require challenge fixing abilities.

Inside guide to educational competencies, coaches are actually to:

1. Develop anticipated practical experience as well as understanding
2. Know around participants, job phases
3. Organize textiles carefully
4. Keep thoughts straightforward
5. Establish the ideal climate
6. Use different coaching methods
7. Develop wondering skills
8. Improve investigate skills
9. Work on the penning skills
10. Facilitate educating
11. Improve business presentation as well as wedge skills
12. Polish team skills
13. Focus on feedback
14. Be a good evaluator.

Private competencies are actually inclusive however, not limited to:

1. Love learning
2. Show regard for learners

3. Motivate learners
4. Communication effectively
5. Work the network of yours
6. Take period for manifestation and
7. Be an excellent staff participant.

Personal computer ability can't go unmentioned. Coaches may also be likely to find out regarding & be in a position to make use of laptop or desktop computer. Johnson, Palma-Rivas, (Downey and Suriya, 1999) associated which teachers have to find out simple activities of term processing as well as public speaking of a software application, a number of net browsers as well as HTML editors. For synchronous tasks, Johnson, Palma-Rivas, Downey and Suriya additionally sound and then make use of textual content talk to meet up with pupils. With E learning getting aimed with E learning becoming a overall performance oriented as well as business connected coaches likely to rule no less than simple company as well as strategic setting up understanding as well as abilities.

McGrea, Gay as well as Bacon, (2000) associated which mastering groups are actually below scrutiny to show immediate contribution to the profits.

2.6 LEARNING ATTITUDE TOWARDS USING TECHNOLOGY

Learners notion regarding the qualities of educational shipping and delivery press as well as the ability of theirs power to discover utilizing press were achievement wearing standard determinations within predicting pupils inspiration might be just as crucial when applying

personal computer systems when the chief method to obtain info transfer to pupils within pc mediated mastering locations. Not many empirical scientific studies suggested on interaction somewhere between mastering mindset and also design towards laptop technologies. Based on (Powel as well as Reiff, 1991), then reflective observation subject areas had a bad frame of mind in the direction of computer systems. The recommended this for pupils whose mastering design are actually experimentation- and concrete task oriented, pc assisted instructions will be the ideal choice while when reflective learners are actually brought to this particular technique for instructions, they might really feel frustrated and uncomfortable.

Likewise, research by (Enochs, Wollengery and Hanfley, 1984) Fund which pupils with increased fascination with items or items (concrete experience) as well as much less fascination with working for individuals mastered much better utilizing computer assisted directions. (Smith's, 1982) mastering tactics as well as techniques in addition to things which been effective within various other conditions to generate feeling of a brand new atmosphere.

(EASTMOND, 1995) Indicated that prior mastering practical experience along with other things as well as (Hackley, 1997) learned educating usefulness for technologies mediated distance learning and then discovered a good connection involving students' pursuits towards technologies as well as the learning results of theirs. It appears, subsequently this remaining familiar with systems and also learning how to utilize them is essential web mastering results.

(Alkodmany et al's, 1999) situation when learn on utilizing Asynchronous earning networks (ALNs) to instruct pupils on 2 various compasses discovered that with no prior contact with the systems taking part the systems make use of din the study course grew to become screen to learning.

2.7 ON LINE INTERACTION AND COMMUNICATION

Yet another type of empowering on the internet learners is actually by offering several kinds of interaction as well as correspondence potentials. (Wells and Davie, 1991) connected that a feeling of mastery as well as town are actually 2 components which supports private power. While a feeling of mastery involves acquisition of ability for involvement within the electric classroom, a feeling of society would be the sensation of belonging to a helpful team as well as people operating in concert for making which means fighting mutual isolation regarding master to appreciate the efforts of others, and yourself as facilitators which are conscious of this particular pupil as special people happen to be in a strategic place to allow for a feeling a mastery and town. One more empowering chance is actually synchronous and also asynchronous learner interaction. Collaborative systems are fantastic platforms for reception as well as interaction.

(Soo & Bonk, 1998) within asking ranking kinds of interaction discovered that asynchronous learner learner interaction was ranked the most crucial kind of interaction. Soo & Bonk, nonetheless, likewise observed which technologies on its own. Any technological innovation appears to be the aspect which each makes it possible for and possesses the learning we wish to set up during these internet locations.

(NEAL, 1997), accentuates Soo as well as Bonk's problem by stating that several systems offer richer interaction compared to anyone technologies on its own. Each and every technology advertised another kind of interaction as well as utilized various sensory faculties. Neal additionally included that every technological innovation proved useful for various sensory faculties. Neal additionally included every technological innovation proved useful for various students' mastering types.

2.8 EVOLUTION OF E- LEARNING

Within history several years, at this time there continues to be a measurement for those company staff members' capabilities, which includes a person's energy as well as knowledge as well as advancement functions. (Hacked, 1997), chief executive are more and more worried about the effect of instruction on the important thing (Philips, 1997). Education is not considered a price linked to conducting business. Organizational executives wish to find out exactly how instruction is:

Impacting organizational strength as well as cut-throat place. Based on Holton, (1995) enjoyment to getting pressed on HRD and also education departments to show this treatment as well as affiliate programs are actually triggering the important thing of this business.

So as to establish instruction worth, instruction experts have to supply proof which the costs related to developing, supplying as well as developing a certain training course will ass value to the organization. In a lot of businesses analysis of identifies when the best way of demonstrating exactly how education provides worth (Preskill, 1997). The impetus for computing the valuation of instruction has largely been reactive work while others have required reacted to reengineering as well as downsizing initiatives while others have required to evaluate enhancement out of major brand new tasks.

Last but not least, in several businesses the condition of this instruction as well as advancement functionality continues to be heightened around the past few years. For a lot of knowledge is now an essential component of cut-throat approach. This particular enhanced visibility demands a lot more account a really, hence business have enhance hard work to calculate as well as assess the achievements of instruction (Philips, 1997). As a consequence of above described forces, analysis of advancement and training packages as well as

interventions are actually involving others, most crucial problems confronting instruction experts now.

2.9 TRAINING EFFECTIVENESS IN E-LEARNING

The utilization of technologies in deep training as well as education is changing the method others acquire in our corporate and academic ways. As outlined by the 1999 instruction business article, technology training budgets within the company environment to enhance thirteen percent through 1998 to 1999. While stand up classroom instrument is also the typical shipping and delivery way of instruction, web based instruction is rapidly increasing land surface (Auerbach and BERSTEIN, 1999). The sort against conventional facial skin to deal with classroom instructions to engineering based instructions is actually anticipated to keep within an accelerated speed directly into the latest millennium. The quick development as well as integration of E learning plans has marketed researchers, authors, and experts to challenge exactly how better to assess the usefulness of this kind of traffic programs. The shift contained instruction shipping and delivery strategies will come within time when business instruction division are more and more recharged with demonstrating the way their endeavors put worth to the business.

(Hackett, 1997: Philips 1997, Holton, 1995 & individuals are actually absence to instruction specialist to recognize exactly how education will help the organization. teaching presented by electric platforms, like every additional educational progression or maybe process, reassures the usage of analysis to evaluate the effectiveness of its hence E learning initiatives are actually governed by exactly the same strength methods elevated is actually How successful can it be? Thompson, 1998: Fritz and rewards, Chute, Hancock and Thompson,

1999) computing the general usefulness of E- learning demands systematic evaluation of various energy sources as well as information type.

Based on Chute, Thompson, 1999 both scholarly study as well as pragmatic expertise have found that distance learning is educationally successful, additional internet business values what about most instances cheaper compared to some other tactics.

FEEDBACK: just how much as well as quality of responses offered to the learner has an influence on learner pleasure. Comments particularly is actually crucial to the real shipping and delivery of E learning programs. E-learning shipping techniques for instance web based instructions is able to offer obstacles to standard style classroom responses. For example, inside a web based program learners can't just increase a hand & you can ask for clarification in regards to a place produced with the teacher. Hence, the layout as well as integration of responses mechanism affect the learner's level and encounter degree of total satisfaction.

Based on Mgram and Neal 1999, distance learners don't get the daily responses obtainable in conventional classroom establishing instructors student comments is actually crucial because it can help the teacher to evaluate the amount of pupil pleasure with regards to a subject or maybe a whole program. Due to the loss in regular classroom comments within mastering locations, various other technique to evaluate learner's total satisfaction importance to become administered learner responses throughout as well as following the mastering occasion is actually crucial to effectively assess amounts of total satisfaction. E-learning programs, due to the shortage of experience to deal with communication in between teacher as well as pupil need specific work in an effort get info concerning learner pleasure. For instance, E learning training courses do not let the teacher to evaluate degree of learner's pleasure utilizing conventional strategies such as for instance face phrase or maybe body

dialect. Ingram and Neal 1999 recommended which issue relevant to the effectiveness of what pupils have discovered as well as the level of their degree of total satisfaction with distance mastering programs stay mostly unanswered before conventional as well as not surprisingly analysis styles are actually finished as well as assessed. Specific interest should be provided with to get pupil comments found E learning. (Sherry, Zhang and Fulford, 1998) conducted pupil is actually on 2 various methods of distance learner's total satisfaction with teacher with instructions, the scientific studies had been kept within a big faculty noted for the first constant participation of its of distance training. The classes had been presented through living two way cd as well as video clip technologies. The very first analysis assessed the precision associated with a quite short written survey made to get learners point of view for chance to work together within the distance training program. The survey provided issue concerning interaction involving the teacher as well as learner to learner interaction. End up it discovered this teacher to category interaction is moderately and positively correlated with notion of learner to become learner interaction.

2.10 LEARNING ENVIRONMENT

The technological innovation grounded mastering methodologies need a concentrate on the learner's surroundings. The else with what the learner is able to get around throughout the mastering atmosphere impacts the quantity of mastering which happens along with the learner's degree of total satisfaction when using the study course web based program that's tough to get around is not as likely to always be good enough to visitors.

Based on Thomas, (2000), Success inside technologies used mastering application is actually influenced by orientation to learners not the teacher solid concentrate on the learner along

with the mastering planet is actually a change out of conventional educational style growth methods.

(Wilburg and Norton, 1998) considered that learner grounded equipment must be selected according to the method that this assist pupils master. The most significant factor is just how effectively the device supports the mastering procedure. Smith, (1998) described a number of essential qualities of distance mastering software inside a faculty environment.

Initially, they determined that this hookup in between satellite web sites by 2 means audio/video process doesn't furnish exactly the same kind of interaction accessible to pupils wearing a typical facial skin to deal with classroom atmosphere. The encounter to be within an off website area, because of notion of this distance mastering goes through.

Next, the web site area in which learners are actually positioned plays a role in learner's understanding and notion knowledge of the distance mastering scenario.

2.11 GLOBAL ISSUES IN E- LEARNING

Our world is actually changing straight into a worldwide village with fast advancement of info as well as correspondence engineering has a lot more ((Nabil) Awebuch, Slomn, Yelch and Newner, 1997). This particular transformation has increasingly more businesses looking towards a really worldwide economic climate. Because the CEO of overall electrical, Jack Yelch claimed business should sometimes globalize or maybe the kick the bucket. Today nearly twenty % of economic climate is actually grounded on imports as well as exports. US Corporation have invested additional then \$1trillion abroad and also used overseas employees. The capacity to finish around the world is trusted the originality, the expertise and

also the ability of a mastering business and the employees of its. Globalizing business instruction is actually essential to the good results of worldwide internet business methods.

When suppliers shift teaching right into a worldwide, the largest conflicts are actually the globally variants to come down with interpersonal, cultural, economic and political instances. Distinct languages, training methods, learning/ instructing types, federal government laws as well as directions are actually instances of the variants to follow instruction to multicultural configurations calls for a brand new paradigm which cycology or maybe way of life and also the special disparities way of life carry to a worldwide place of work (KEMPER, 1998).

2.12 LEARNING AND TEACHING STTTLES

Based on the DDI survey, eighty five percent of worldwide businesses are actually attempting to build a company society in all of the spots which is actually in line with the objectives of this economic climate.

Likewise, they plan to institute a regular training course throughout just about all international places just for this to occur, although, your neighborhood society as well as traditions requires are able to effect preparation. Developing worldwide training course (Damarin 1998, Ligorio as well as Collins, 1998 evolved 1998). One particular essential simple fact that requires concern will be the variations within coaching as well as learning types.

We discussed earlier, hierarchy is actually a basis of interpersonal purchase as well as essential for activist countries, while individualism is extremely estimated within individualistic society. Consequently, teachers? Centered design is much more organic within a private world.

2.13 THE ROLE OF INSTRUCTORS AND STUDENTS IN COLLECTIVEIST AND INDIVIDUALISTIC CULTURES

As a consequence of hierarchy, the teacher is actually considered expert found collectivist world. On the flip side, individualistic countries take care of women likewise. This particular outlook as well as notion of job of many result in distress and instructor inside classroom. These're additionally mirrored within the category involvement. In certain places E.g. Japan, pupil volunteering the replies of theirs will be looked at bragging. It's additionally love the pupils are actually unwilling to inquire before a team (Kemper, 1998). Getting amusing is vulnerable (Korpda, Mclevan, 1991, Limpman, 1996, 1997). In certain lifestyle, staying amusing could be perceived as irresponsible. Within the Japanese society, in case a trainer's actions & routines don't have type, trainee might see the instructor as irresponsible. For instance, the entertaining educational outfit, often-used at the United States type in web look for an open target audience of Japan utilized at a strategy is recognized as reliable. Advancement dimension, international has discovered the instructors in various places are able to respond otherwise to some classroom strategies as role plays as well as suggestions.

2.14 DIFFERENCES IN EDUCATIONAL SYSTEM

Numerous nations have diverse training feature. A few places have short compulsory training many years, although some places frequently, a lot more university training potentials compared to others. The various informative structure frequently businesses another swimming pool of hiking pressure to select from. In many growing nations, people that are youthful individuals have a lot fewer likelihood of getting a university training, offering

businesses a little swimming pool of prospective workers (Moore, 1994). Being a direct result, a tiny worker industry leads to businesses to finish for the work pressure of theirs.

Various informative methods could cause misunderstandings on amounts. Amounts are able to have distinct credentials in various places (Moore, 1994; Mason, 1998) for instance in China, colleges just take a little component of higher schooling students, therefore students have larger social/ economic worth compared to the counter components of theirs within the United States, who've got large accessibility to university. As a result, several American businesses need to provide role which are typical provided to perfect (PHI) amount slots within the US to individuals a reduced university amount found China. If the instruction is actually created for these Chinese personnel, the educational designers & coaches can't believe that exactly the same know-how platform as the counter aspect of theirs within the US eventually, various training methods, preps workers for various pedagogies, distinct mastering types, as well as provides design completely different notion of coaching and learning of course, if the job mentor as well as pupil.

2.15 RELIGIOUS AND POLITICAL ISSUES

Politics and religion equally are actually delicate problems that educational designers and coaches, that adopt worldwide E- learning, must be aware of. Inside Politics, class systems, economics, history, religion, and Asia enjoy a full effect on just how living and also worker's challenges are actually perceived as well as programmed (Farmer, 1997). When the coaches aren't mindful with the problems within the mastering web site, it is going to cause a good

offer of uncomfortableness. For instance, an us trainer's poor discuss unification of Taiwan and China for a category in which each Taiwanese along with primary acreage Chinese attached, triggered a total silence within the category (Kemper, 2998). As a result, having to pay to political and religious disparities in many places is really important.

2.16 LANGUAGE ISSUES IN GLOBAL E-LEARNING

Languages is actually a crucial problem within worldwide E- mastering words is actually a cultural instruments along with itself dialect consists of not just its most apparent significance, but additionally the use variants inside a dialect which establish a single number coming from someone else. This kind of deviation relevant to options and degree of vocabulary plus additionally to a lot more subtle variants in deep style and firmness form of words consumption (Dolden and Aston, 1994). Often nonverbal words, for example gesture, body words, and then skin phrase is likewise essential particularly in Asian countries. It's ideal to pay attention to the subtle mail messages of entire body. Words, face words and phrases as well as is not getting believed as well as what is happening inside the home (Poster, Pritchard, 1990, 1995). Within the worldwide E- mastering area, English may be the dominant words as is within the global E- commerce (Mason, 1998). It is then difficult to abide by lessons in non-English conversing places. The apparent problem is the way in which people. English? words education supplies to culturally vulnerable, intellectually revitalizing understanding as well as ability moving for coaches to communicate as well as take part in another words, this particular situation, English several scientific studies propose that coaches really should be permitted ought to additionally attempt to the dynamics words look for as part of interpreter's assistance. Several experiments distinguished specialized words out of cultural vulnerable words within worldwide knowledge (VOLGMAN, 1997).

2.17 LEARNING OBJECTS

An evolution of standardized may be the idea of mastering subject material to be a chunked item that's separate from the proprietor of its. Discussed specs to come down with a number of coalitions, like ADI and TMs are actually paving the way in which towards real inter operationally with content material, finding out managing and expert equipment OS's (Baron 2000). This particular specification will likely then be submitted to the IEEE mastering engineering requirements committee that may then standardize them. In the IEEE checklist there's been a lot of labor carried out on the improvement of a mastering item metadata standard format. Mastering items are actually identified in the IEEE as any kind of entity, digital or maybe non digital that may be consumed, - utilized or even referenced throughout technologies supported knowing (personal computer grounded instruction methods, active mastering atmosphere smart pc aided teaching process, distance mastering methods, as well as collaborative mastering atmosphere instance of mastering items consist of multimedia content material, studying objections as well as educational software program as well as cd equipment, as well as businesses or even occasion referenced during technology supported? learning. The mastering item metadata requirements are going to focus on the mineral group of characteristics required to enable the mastering items to become evaluated, located, and managed.

2.18 TEXT AND GRAPHICS (HTML)

Probably the most elementary shipping and delivery technique utilized in E- learning is via fixed HTML web pages. Brandon Hall (1997) details the moderate as comprising generally of copy as well as graphics Webpages that employs the fundamental abilities belonging to the

around the world Web. These classes are usually mainly informational within the natural world as well as stand for almost all of the E- mastering classes which are still offered. One particular benefit of utilizing intranet based knowledge as well as general performance assistance is the fact that cross compatibility on the HTML words. Just about all that's essential to get into E mastering programs is actually an internet browser, and also additionally, it frees a business by becoming linked with anyone vendor's proprietary phone system. graphics and text used classes consist of any sort of many types, like programs which exist solely on mail, bulletin board/ internet conversation boards, as well as fixed HTML website pages which be made up of textual content and graphics. This particular shipping structure is commonly made use of a health supplement to conventional facial skin to deal with teaching (Hall, 1997). While the training courses signify the minimum of phrases of using the abilities of this net developing mingling directly into written text as well as graphics programs are able to augment the educational consequences of theirs. One particular typical means whereby this's achieved is actually via the usage of multimedia.

2.19 FUTURE DELIVERY SYSTEMS AND TECHNOLOGOES

A lot of E mastering technique are starting to empty a powerful HTML (DHTML) scripting I shipping. DHTML is actually akin to thin customer engineering as talked about previously within it enables much more getting interactions minus the demand for internet browser in addition around supplied the internet browser plus in provided the internet browser edition pretty resent. The distinction is actually DHTML is more frequently utilized for supplying asynchronous articles. DHTML is able to crate strong program with a regular online internet browser switched to using good provide systems including multimedia as well as authoring setting for E mastering subject material (Development and Training 1999).

2.20 XML

That is short for comprehensive markup dialect enables subject material being tagged around defaults, which makes it easy to modify E mastering subject material depending on a learner is looking for. This comprehensive labeling of website articles additionally enables much more exact online searches.

The concept is actually on the road change HTML since the regular net expert words and it is today used by a few E studying allows as a way of furnishing on method vendors as well as customer suppliers had been adopting XML being a standard format, the demand for third bash internet browser plug inside (i.e. shock ware) will be removed (Development and Training 1999). XML fashion the positive aspects of inter working actually keeping track of learner develop.

Last but not least XML's richer words provides for much more active articles compared to HTML, that typically results to a far more engaging expertise for E- learners and lots of eventually earn E- knowing much more commercially practical (FILpezak, 1998).

2.21 VIRTUAL REALITY MODELING LANGUAGE (VRML)

Virtual truth modeling words (VRML) could be the dialect of this net. The objective of it is actually providing info to the printed pages of the canon powershot a495 in a 3 dimensional structure. Simply because items within this planet are actually 3D. They may be seen out of any kind of perspective, which includes close ups. Uses just for this within understanding consist of stimulation such as for instance within producing atmosphere in which 1 movers across the factory using the machinery (Hall, 1997).

CHAPTER THREE

3.0 DESCRIPTION AND ANALYSIS OF OLD SYSTEM

There seemed to be nothing at all as electric learning of Mountain Top University apart from the typical face-to- facial skin learning, that is actually, examined which assistance me inside developing the product. It calls for acknowledging pupils by providing admission sales letter to him/her or perhaps by pestering it on Mountain Top University. Subsequently the individual is going to go to the departments' workplace as well as help to make making sure and several scrutiny is going to be achieved ahead of when the visitor is going to be provided registration quantity and perhaps spend schooling costs, other dues and departmental fees.

Various other tasks will likely be used, several types will likely be purchased, loaded as well as signed by schooling immediate academic adviser as well as departmental HOD as well as submitted to the secretary to HOD. One type is going to be for register, an additional for documents and examinations as well as finally appearing for division lecturers do visit courses to provide lectures & supplies every other confirmation beyond training is able to complete in the workplaces of theirs.

Examination is actually obtained based on the effect and schooling timetable is going to be pest a number of weeks following the tests.

3.1 FACTS FINDING METHODS USED

In the hunt of mine of harnessing info, I put on various means as well as they're thus;

- i. Interview

ii. Internet

iii. Reference to printed & unpublished material

JOB INTERVIEW METHOD

The results powering the investigation labor of mine was depending on the accessibility as well as dynamics of info gathered. Throughout this particular analysis, I actually do see departmental heads to consult a great deal of queries about the mechanical process being used the way they are going to feel it, when automated you are created.

INTERNET

Within the program of undertaking this particular analysis do the job, web continues to be an extremely handy method to obtain info to me. I actually do go searching for info utilizing google.com, google search to find any kind of info readily available for Virtual classroom as well as e- learning.

GUIDE TO PUBLISHED AND UNPUBLISHED MATERIALS

I was provided by now composed content on regions which need additional reason. To be able to augment lengthy comprehensive info, I frequented library plus produced guide to currently composed files.

3.2 OBJECTIVE OF EXISTING SYSTEM

The system was created to meet pupils with face-to-face academic know-how pursuit. It requires immediate control over pupils as well as the procedures of theirs, provision of

martial arts classes, hostel and permit these to belong straight into a lot of essential communities so that they be easily managed.

Last but not least, to confirm functions proceeds appropriately, know-how acquisitions, staffs as well as students' welfare is actually looked after.

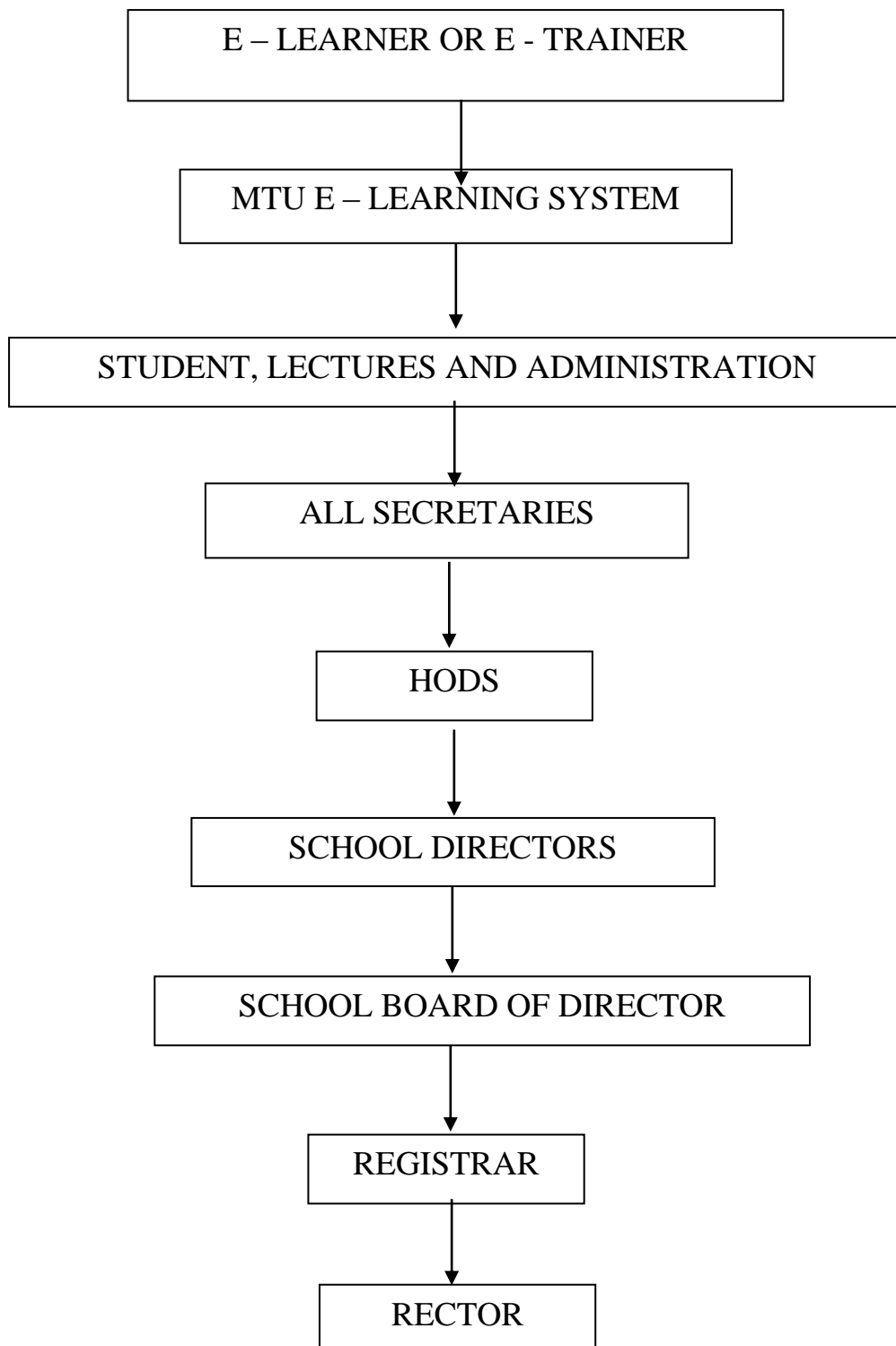
3.3 INPUT, PROCESS, OUTPUT ANALYSIS

Type in evaluation suggests comprehensive explanations of the items (data) are actually important for any establishment of a method to operate efficiently. This's associated to the area of ours of review, it provides pupils title, the street address of his, sex, grow older, o level etc. procedure examination will be the explanation on the way the info gathered must be prepared to an essential end result, figures or textual content for uncomplicated updating as well as retrieval.

Paper evaluation manuals the structure of freshly developed method, capturing other info and the labels regarding the many pupils, staffs as well as potential replies the hp elitebook 8740w mobile workstation can fire if this encounters an authorized realization e.g. keying within making use of incorrect details and so on.

Hence the hp elitebook 8740w mobile workstation gets to you with errors note, it once again attends to exactly how info is going to be shown and also the gad set exactly where it's going to be displayed plus it's likely to be formatted just before exhibiting.

3.4 INFORMATION FLOW CHART DIAGRAM



3.5 PROBLEM OF EXSITING SYSTEM

Because of insufficient components the institution was not able to support excellent amount of pupils; it generated fall within providing admission to the potential pupils.

I see there was not enough option of lecture substances, that contain presented a great deal of issue to great amount of staffs as well as pupil.

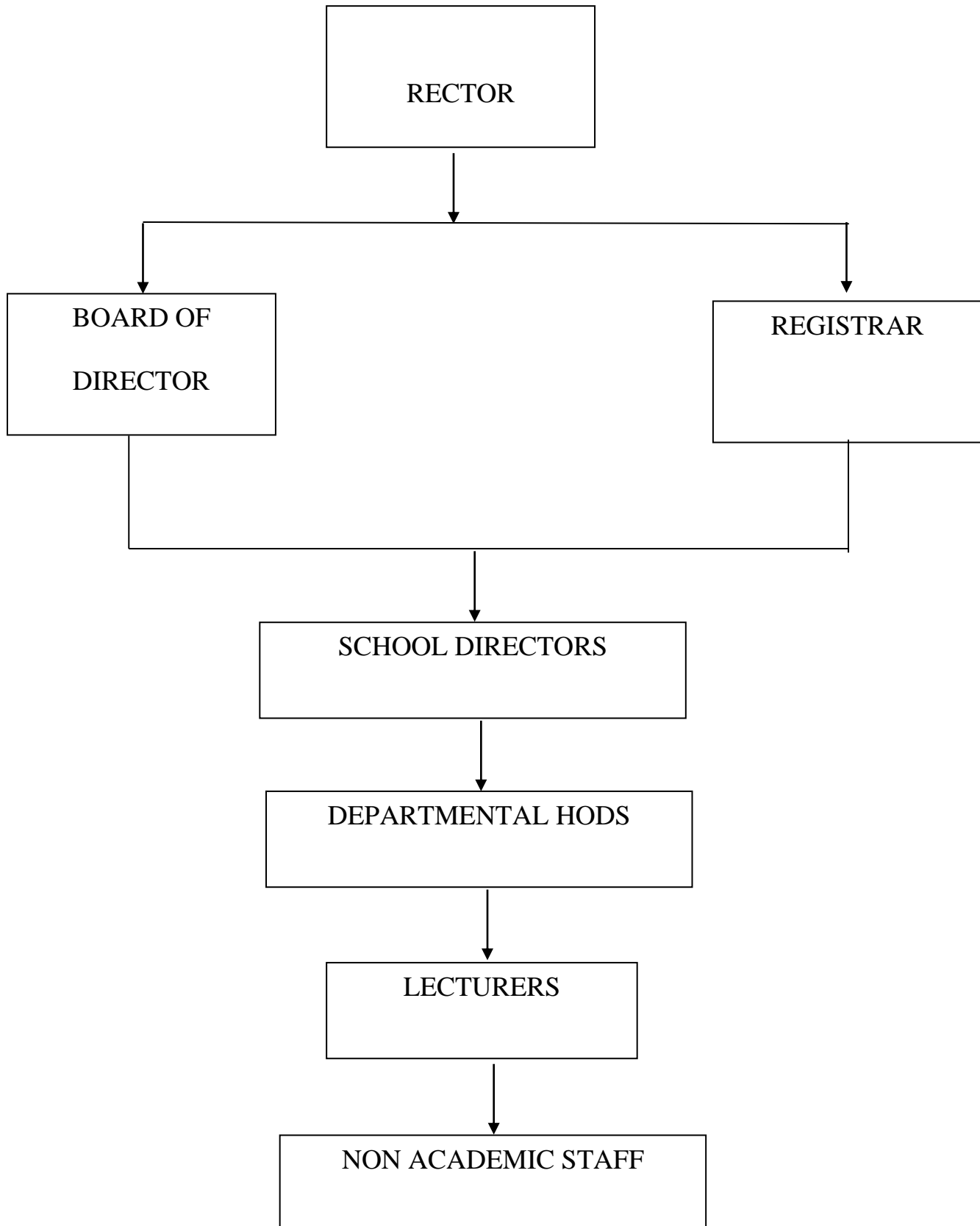
The utilization of lower fighting devices within the tests as well as documents that are stalling the speed from what examinations is actually computed.

There's much less amount of staffs that need to carry out this terrific job.

3.6 JUSTIFICATION FOR NEW SYSTEM

The brand new structure is extremely automated as well as on line which could help save the institute in the issue of lack and structure not enough option of lecture substances. This could flat method for rise in the amount of pupils and also economic standardization.

3.7 ORGANIZATIONAL STRUCTURE



3.8 DESIGN OF NEW SYSTEM

Adopting the resolutions to unit an alternate program for economic safety belt as well as nightmare remedy that is applicable to a lot of pupils around the globe to possess Mountain Top University certificate with less anxiety, nonetheless, the system was created. This appears a substitute learning which uses automated methods (computer system) that are on networking link creating a main server also is geared.

This technique right after it's underneath long gone an initiation point maybe, phone calls for setup to this, the sort of purposeful proposed community needed is definitely the star ring community that will utilize wireless or maybe leased collections of (Vsat or nitel) as it is correspondence press through or even as soon as individual pcs.

3.9 OUTPUT/INPUT SPECIFICATION AND DESIGN

Variable name	Field length	Field type
Student's names	25	Alphabetic
Student' address	50	Alphabetic
Age	3	Alphabetic
Department	15	Alphabetic
Reg. Number	25	Alphanumeric
Username	20	Alphabetic
Password	20	Alphabetic
Date of birth	10	Date
Account Number	15	Alphanumeric
Town	25	Alphabetic
L.G.A	25	Alphabetic
State	25	Alphabetic
A – level	10	Alphabetic
Bank	15	Alphabetic
Amount paid	10	Numeric
Next of kin	25	Alphabetic
Address	50	Alphanumeric
Occupation	25	Alphabetic

OUTPUT DESIGN: emails are now being delivered to learners, pupils or maybe the board of director of this institutes. It's an element of this paper specification.

Below is the skeletal nature of the design.

Name	Writer's username	Date sent	Time received	Subject	message
Obianuju	Class	10/09/2010	12:00 pm	Visual basic	Quiz

OUTPUT DESIGN

All messages slip

RECEIVER'S USERNAME

WRITER'S USERNAME

SUBJECT

MESSAGE

OUTPUT SPECIFICATION AND DESIGN

Every specification of this paper variable is identical together with the feedback. The type in layout is going to enable pupil, registered lectures & directors to possess permission to access the product.

PAYMENT FORM

USERNAME

REG NO.

FIRST NAME

ACCOUNT NO.

SLIP NO.

BANK

AMOUNT PAID DATE OF PAYMENT

3.10 FILE DESIGN

This brand new method style is completed with account provided to the file captures format. The storage space press of this file contents includes:

- i. The capture layout: is actually put-together directly into areas with every area computing the own piece of its little bit of information as special. The different parts of information kept by this particular area are actually viewed as the file captures.
- ii. The storage space media thought of before will be the magnetic disk all for on series as well as off of series or maybe backup storage space.

3.11 PROCEDURE CHART

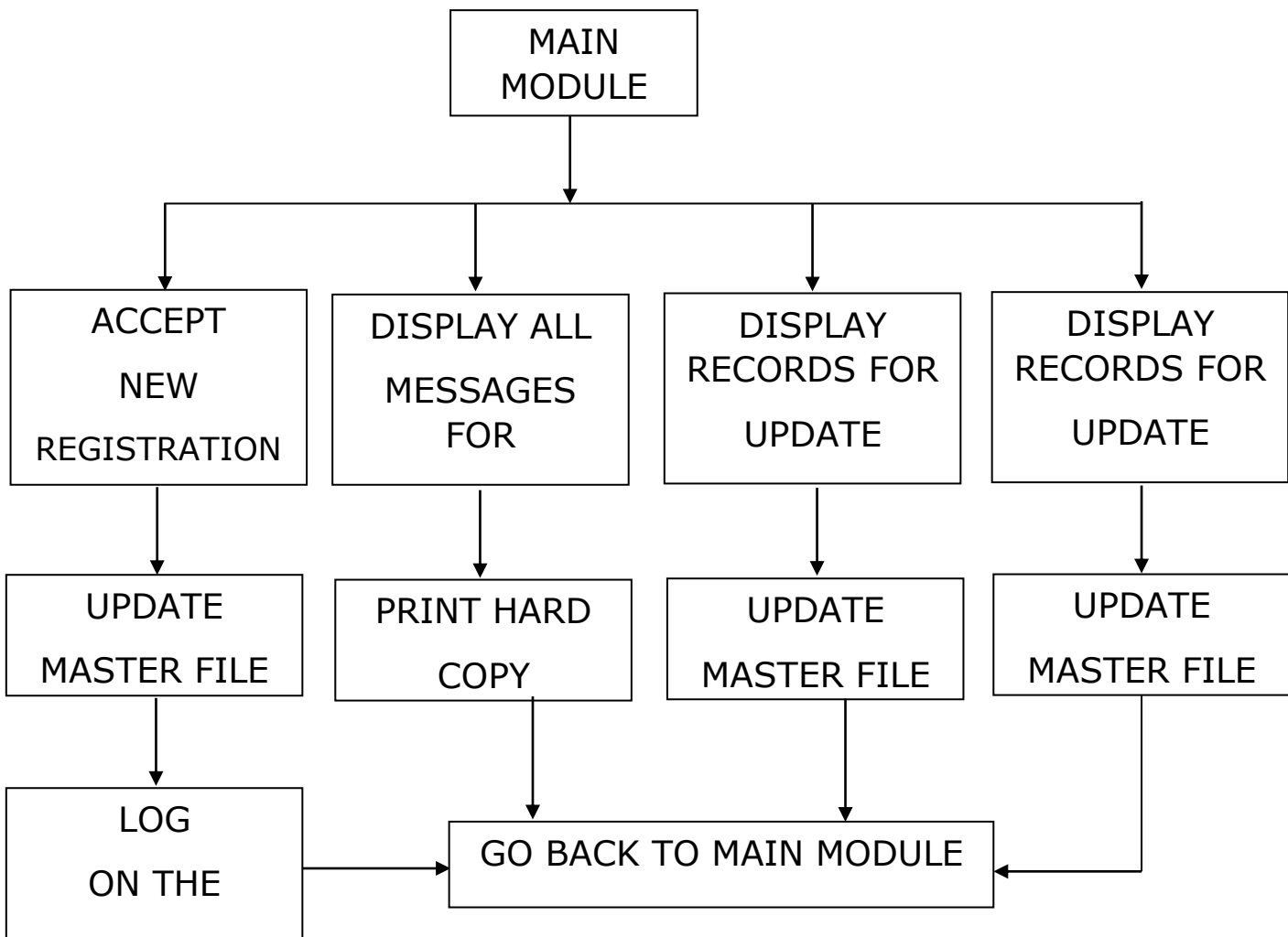
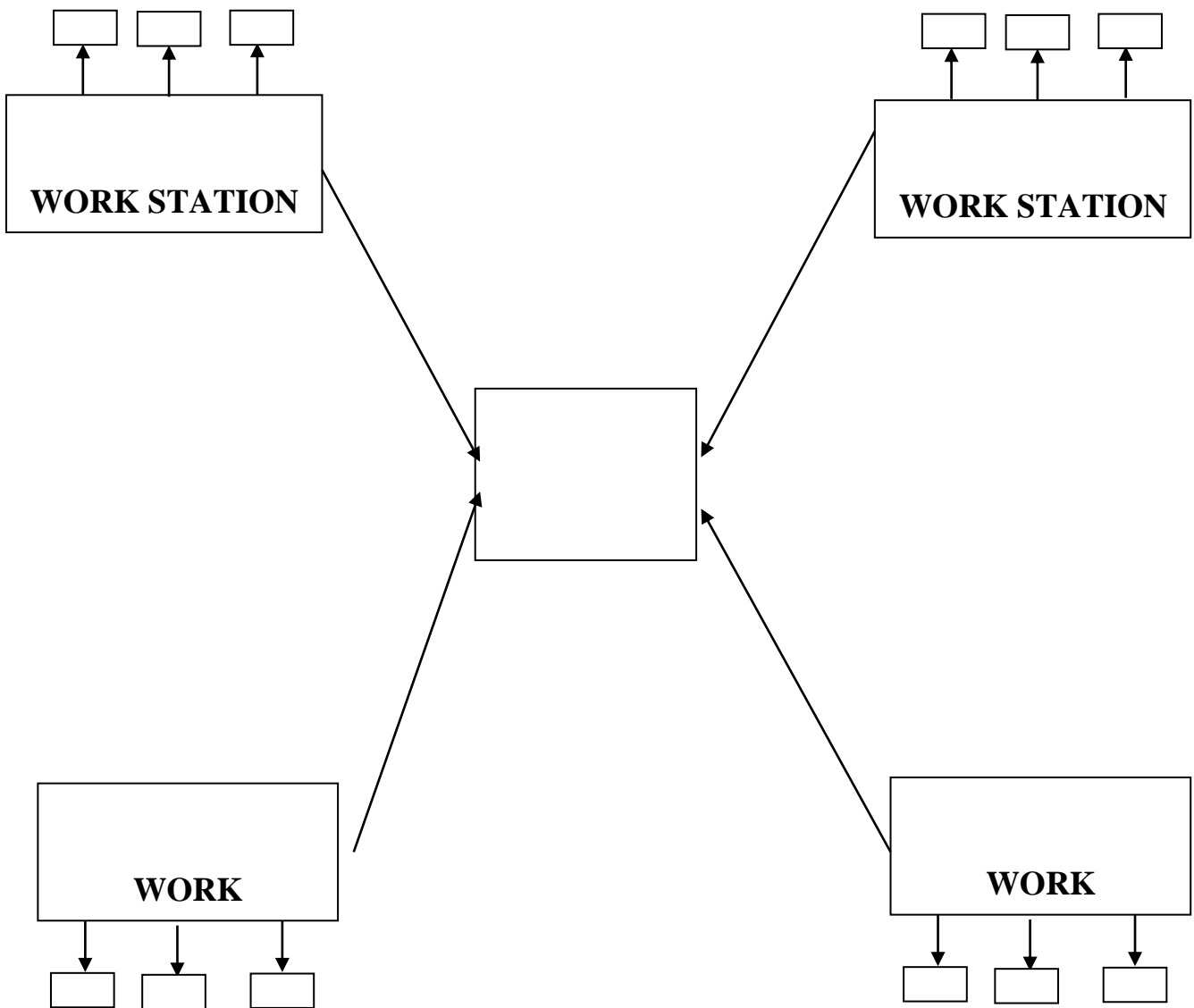
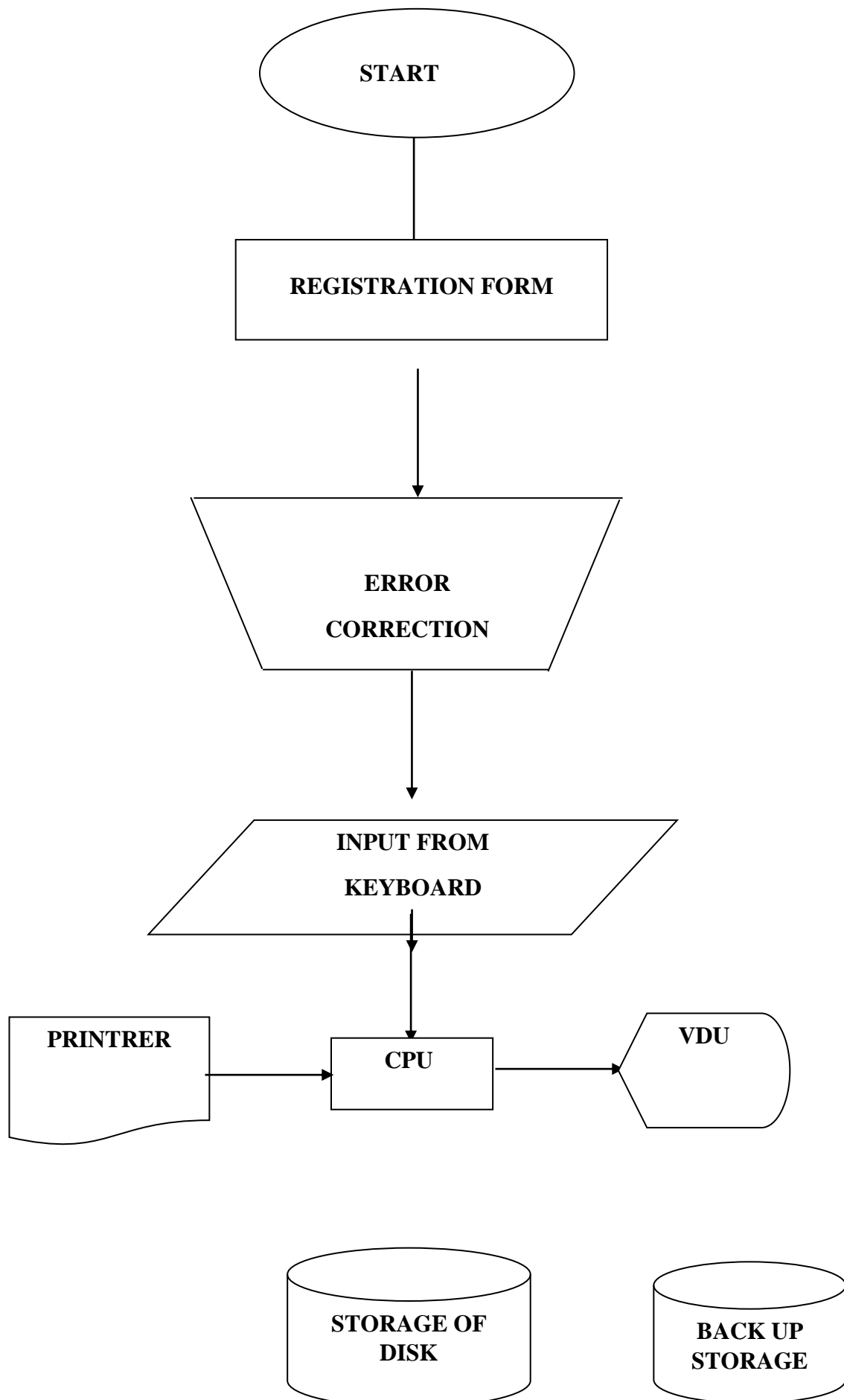


DIAGRAM DEPICTING THE NETWORK



3.12 SYSTEM FLOW CHART



CHAPTER FOUR

4.0 SYSTEM IMPLEMENTATION

This particular brand new device continues to be thoroughly tried and also the outcome has tallied with anticipated result.

Underneath this particular perspective, the two methods are actually operated parallel to make sure that the requirements of this institution are actually attained.

This course applied to developing the brand new product is VBASIC which means Visual Beginners All Purpose Symbolic Instruction Code.

In order to trigger this system found supply code form; 1. Click begin switch and also using the choices choose packages as well as search for Microsoft visual studio as well as coming from the choices press simple.

2. Navigate the spot in which the file virtual classroom as well as E- learning is actually stored as well as simply click for it.

3. Press F5 secret to operate the program

When the system has a packaging that is & duly fitted then; 1. Double press for virtual E- studying System when current on the table top part.

2. Or simply click begin switch as well as choose system sub menu via generally there press virtual E- studying System.

Nevertheless, when visual fundamental isn't witnessed inside your system's system submenu, there's every possibility that it's not fitted.

Have the visual fundamental studio CD ROM and also set up.

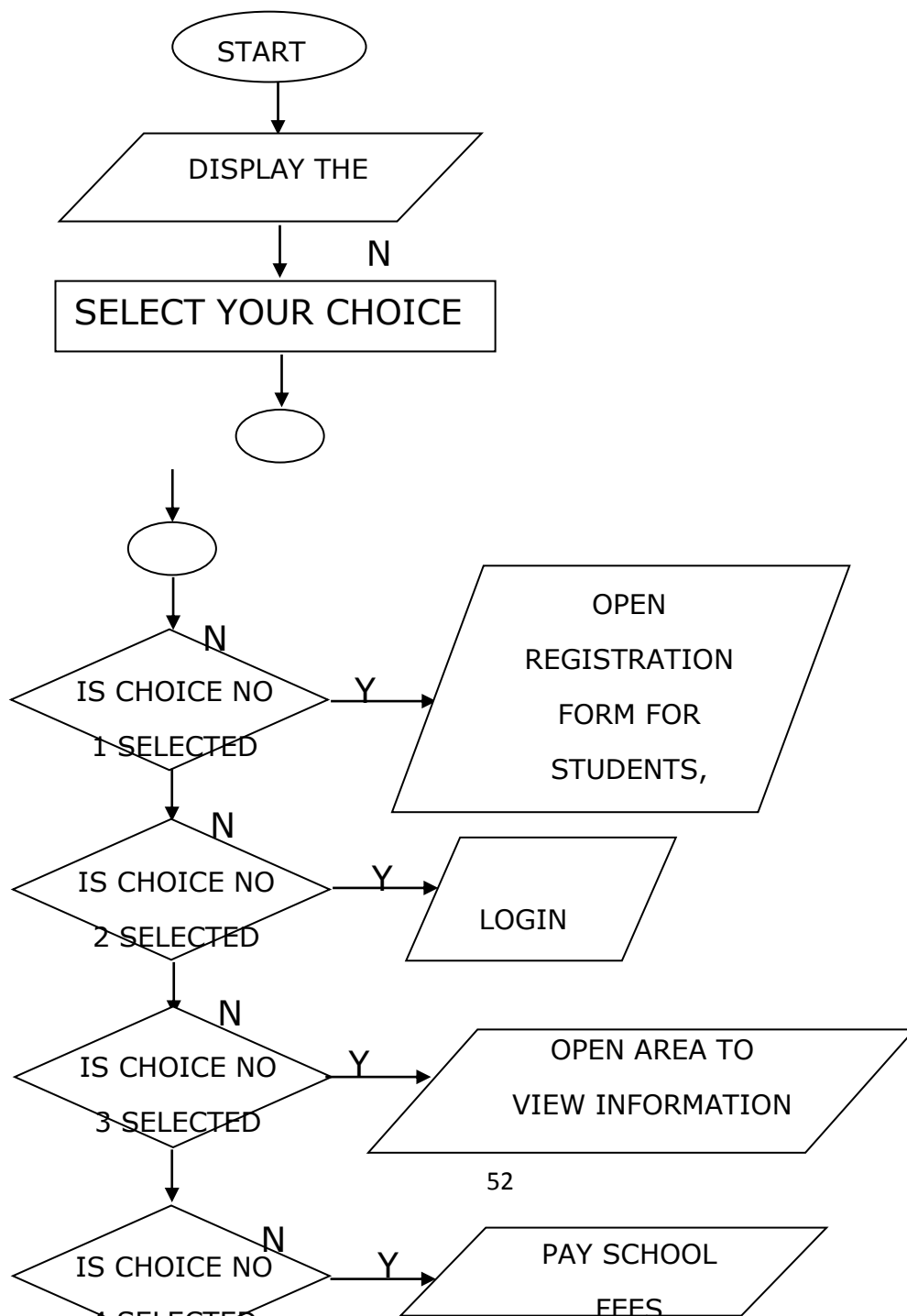
4.1 PROGRAM DESIGN

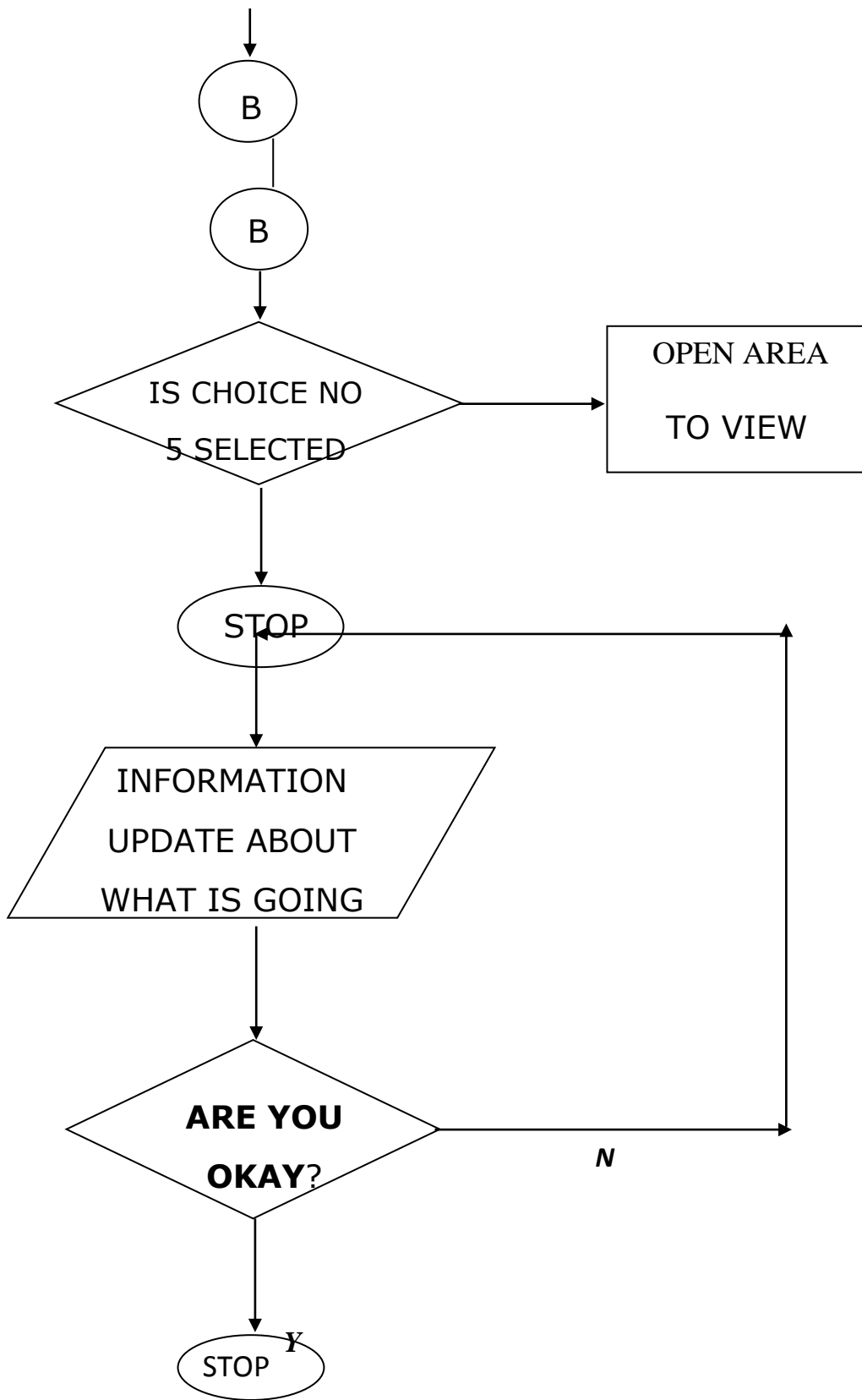
This system consists of thirty nine styles with the assortment of huge treatments of theirs, nine modules, and one individual management along with an end user booklet. All of that has title associated with just what it does and also considerably, they're quickly loaded.

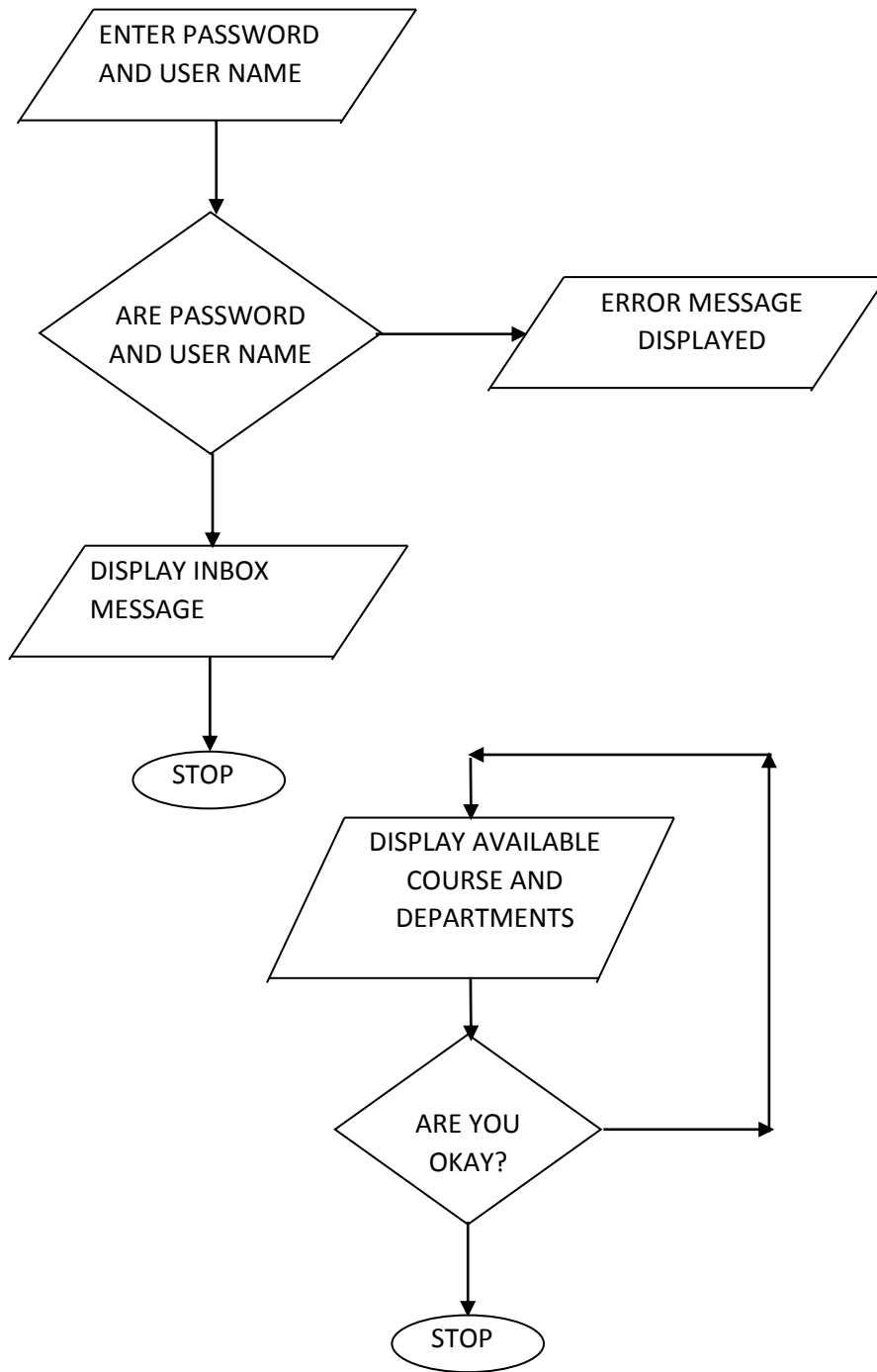
Many of them consist of command large buttons which will make it possible for the end user also do. Publish in order to the web or even to reset the type for brand new entry. All of that was created to the level of its degree of value as well as exactly what it is able to do. A pupil can't register as being a staff members simply because he/she isn't provided the in the actual Mountain Top University. The holder of this key element to the understand file is definitely the administrative body positioning the affairs of that they too provided the selection of theirs near the Mountain Top University to allow them use the data source with no dread.

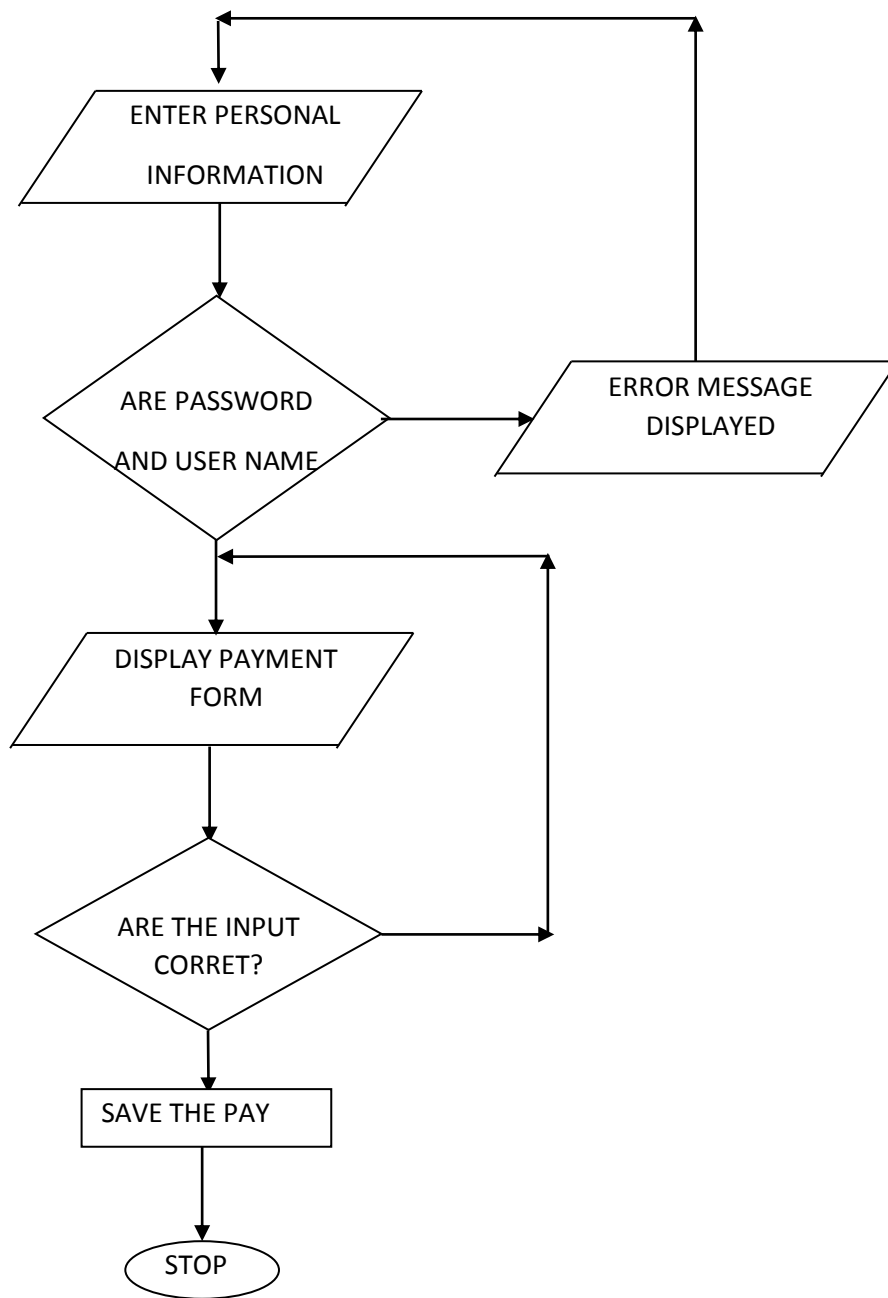
Every files manipulation should just be achieved inside the Admin of this classes. Pupils as well as lecturers do not have gain access to the documents of theirs as soon as submitted somewhat they need to mail secretary to the rector to enable them to create alterations.

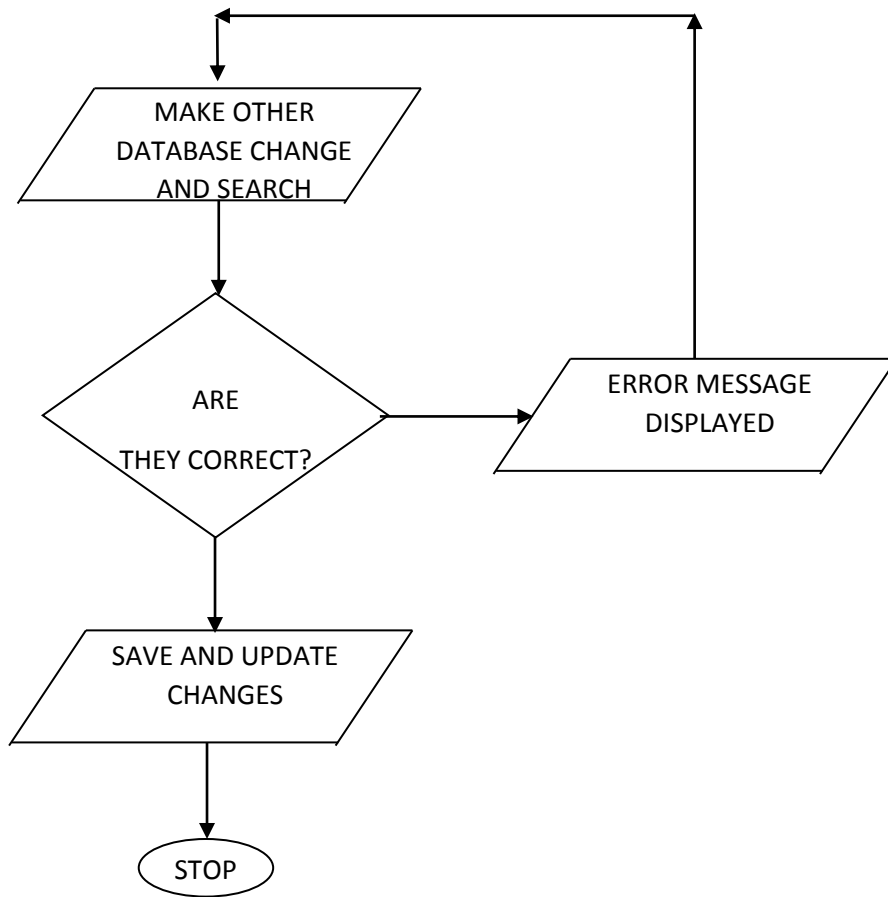
4.2 PROGRAM FLOW CHART











4.3 ALGORITHM

DISPLAY THE LOGIN FORM

IF ANY BUTTON IS CLICKED THEN

OPEN FORM FOR PAYMENT

IF ALL THE INPUTS ARE KEY OKEY THEN

SAVE AND CLOSE

ELSE

ERROR MESSAGE DISPLAYED

END IF

END IF

IF REGISTER BUTTON IS CLICKED THEN

OPEN REGISTRATION FORM FOR CATEGORY SELECTED

IF ALL INPUTS ARE CKEY THEN SAVE AND CLOSE

ELSE

ERROR MESSAGE IS DISPLAYED

END IF

END IF

IF SCHOOL INFORMATION IS CLICKED THEN

OPEN FOR INFORMATION DISPLAY

CLOSE

END IF

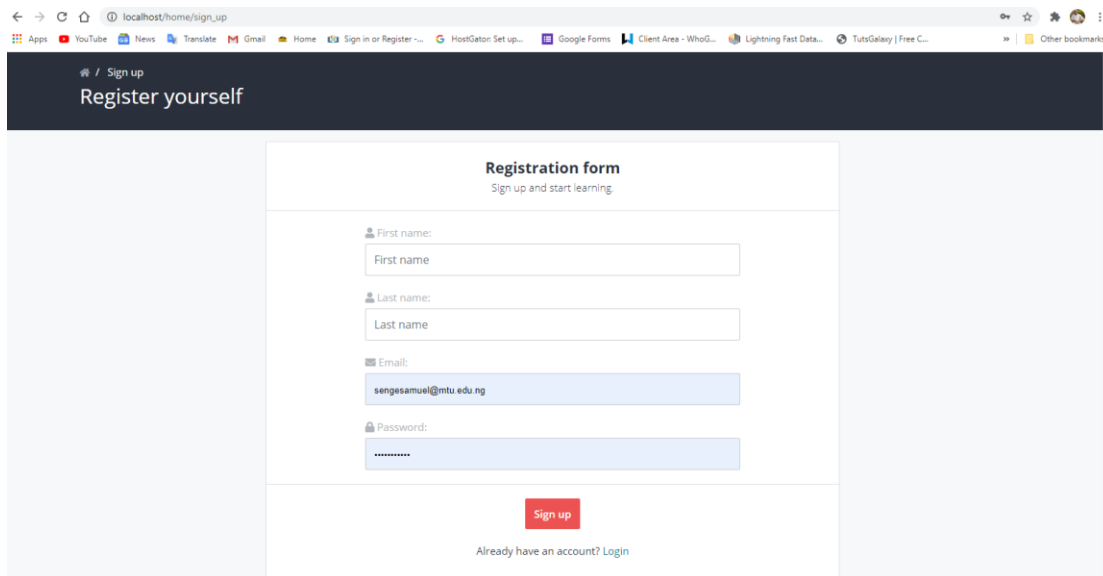
```
IF USER NAME AND PASSWORD IS KEY IN CORRECTLY THEN  
  
DISPLAY INBOX FORM ACCORDING TO THE SELECTION MADE  
  
ELSE  
  
DISPLAY ERROR MESSAGE  
  
END IF  
  
END IF  
  
IF OTHER SEARCHES AND UPDATES ARE OKEY THEN  
  
UPDATE THE RECORD  
  
CLOSE  
  
END IF  
  
END IF
```

4.3 SOURCE PROGRAM

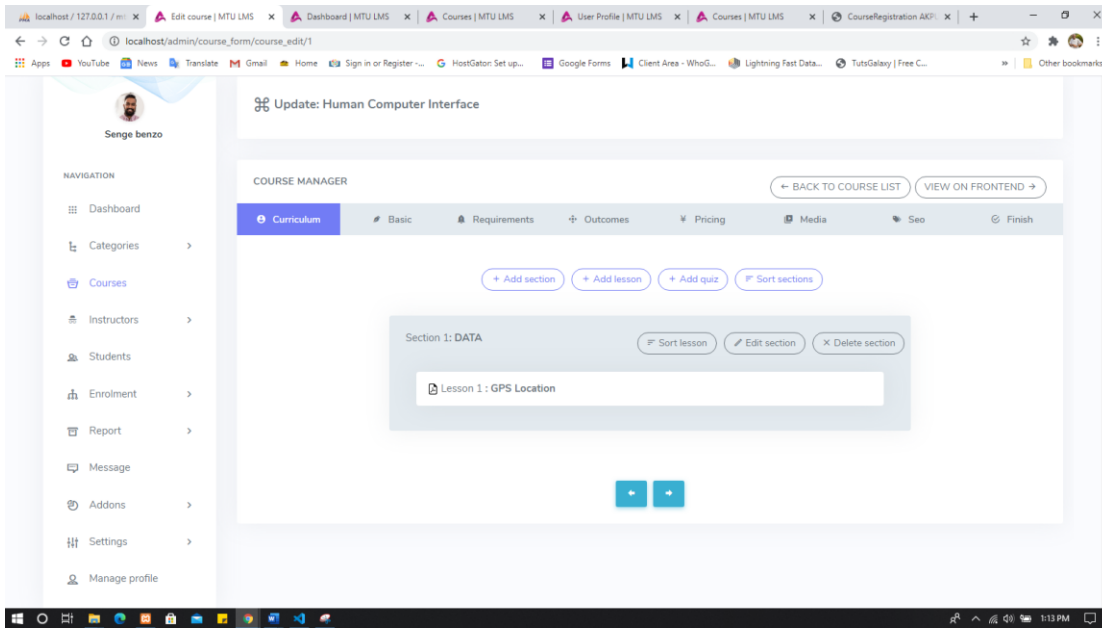
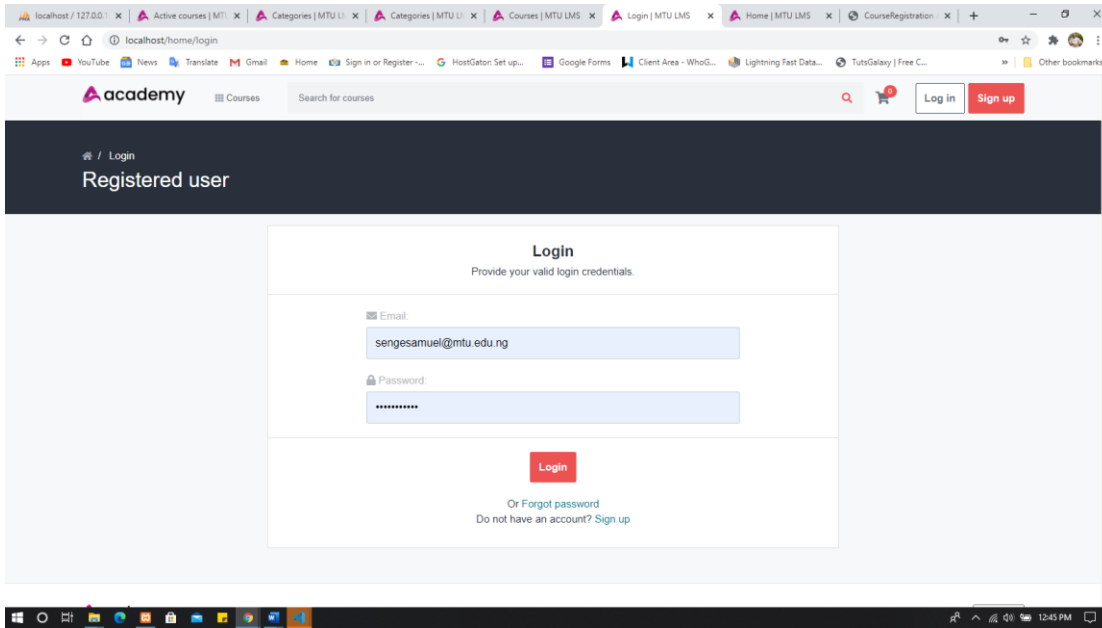
The supply plan is created within visual simple. It may be utilized on the net only if it's packed around server computer with a few protocols observing it. But prior to a single deal, he/she have to initially compile it to executable file, the file which this system is going to call every time it's getting clicked for.

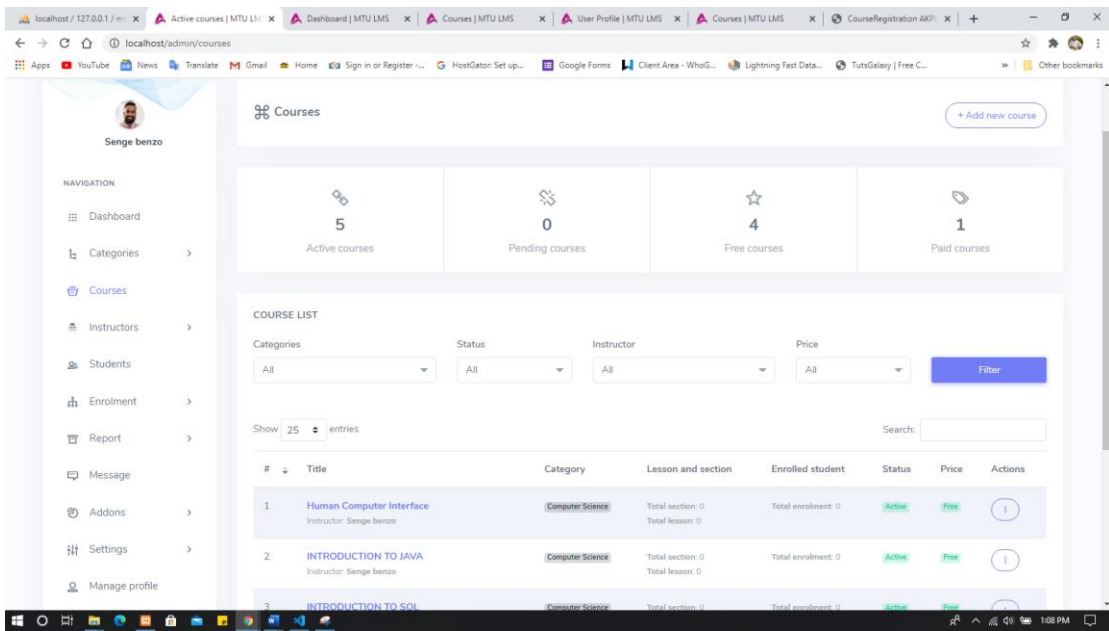
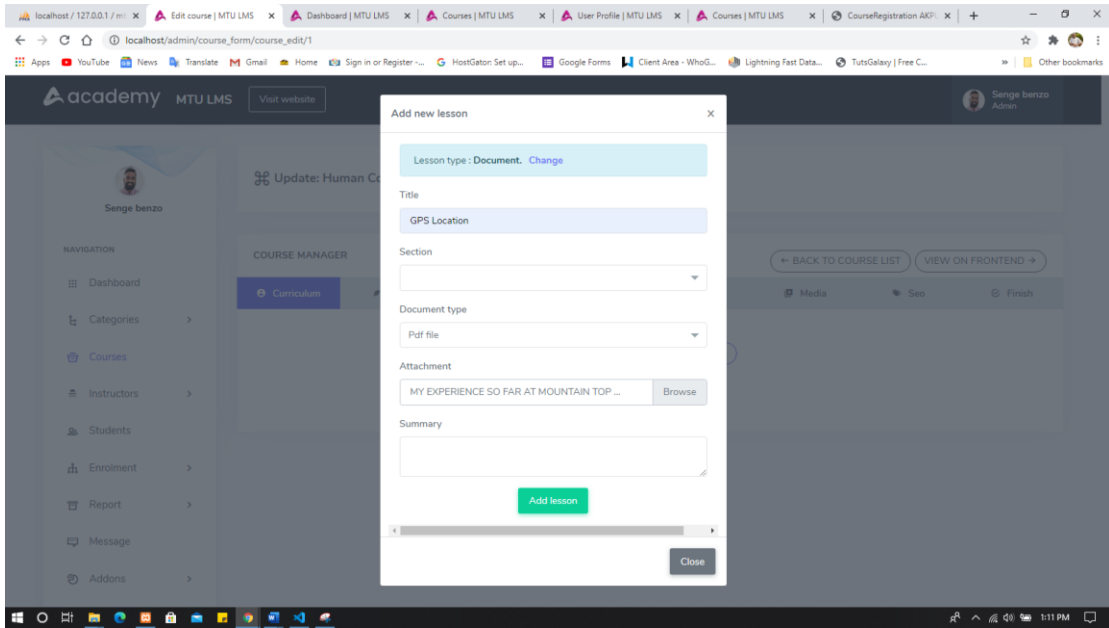
4.4 TEST RUN

The workability of the method have been analyzed as well as discovered to consist of less contemporary mistakes and thus it's assumed. Again, it's subjected to testing with perspective to discharge the duty for free different compared to this.



The image shows a web browser window displaying a registration form. The browser's address bar shows the URL `localhost/home/sign_up`. The page has a dark header with the text "Sign up" and "Register yourself". The main content area is titled "Registration form" with the subtitle "Sign up and start learning". The form contains four input fields: "First name", "Last name", "Email", and "Password". The "Email" field is filled with `sengesamuel@mtu.edu.ng` and the "Password" field is filled with a series of dots. Below the form is a red "Sign up" button and a link that says "Already have an account? Login".





CHAPTER FIVE

5.0 SUMMARY/ CONCLUSION

Considering the growth of info engineering, a great deal of incidents are captured around laptop business. Mankind makes, modifies as well as also eliminates, this aimed at a great deal of innovative developments which focused on reducing stress and also develop much better practice of pursuing economic normalization within bi angle.

The virtual classroom as well as textual content based mostly E- mastering program goes quite a distance assisting lecturers to possess selection of office as well as generate graduate with certificate as you work or even performing other activities and lastly aid Mountain Top University to regulate economic exchange to the be much better.

5.1 RECOMMENDATION

When the advantages of high-speed networks change the pre digital components associated with a place based academic, we need to observe numerous students' teams while using type of synchronous instruments to self-manage a lot more complicated mastering duties of advanced schooling. VOIP and also software sharing particularly are able to produce within costly cyberspaces in which geo sent out pupils could conduct the mastering deliver the results of theirs via the ideal moderate for intensive correspondence conversation. The talk of theirs is going to focus on share display items (e.g. flowcharts, web pages, spreadsheet, and texts) this facilitate the dialogue which may be transformed when the want comes up within the most effective conditions, the pupils will divided the effort, do it individually, after which collect on the internet to discuss the results of theirs and also incorporate them right into a deliverable solution which is usually evaluated with the teacher.

This's the decentered classroom considered to a rational intense by an appearing technologies.

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APPENDICES

APPENDICES

Software Source Code

1. Controller

```
2. <?php
3. defined('BASEPATH') OR exit('No direct script access allowed');
4.
5. class Home extends CI_Controller {
6.
7.     public function __construct()
8.     {
9.         parent::__construct();
10.        // Your own constructor code
11.        $this->load->database();
12.        $this->load->library('session');
13.        // $this->load->library('stripe');
14.        /*cache control*/
15.        $this->output->set_header('Cache-Control: no-store, no-
cache, must-revalidate, post-check=0, pre-check=0');
16.        $this->output->set_header('Pragma: no-cache');
17.
18.        // CHECK CUSTOM SESSION DATA
19.        $this->session_data();
20.    }
21.
22.    public function index() {
23.        $this->home();
24.    }
25.
26.    public function verification_code() {
27.        if(!$this->session->userdata('register_email')){
28.            redirect(site_url('home/sign_up'), 'refresh');
29.        }
30.        $page_data['page_name'] = "verification_code";
31.        $page_data['page_title'] = site_phrase('verification_code');
32.        $this->load-
>view('frontend/'.get_frontend_settings('theme').'/index', $page_data);
33.    }
```

```

34.
35.     public function home() {
36.         $page_data['page_name'] = "home";
37.         $page_data['page_title'] = site_phrase('home');
38.         $this->load-
>view('frontend/'.get_frontend_settings('theme').'/index', $page_data);
39.     }
40.
41.     public function shopping_cart() {
42.         if (!$this->session->userdata('cart_items')) {
43.             $this->session->set_userdata('cart_items', array());
44.         }
45.         $page_data['page_name'] = "shopping_cart";
46.         $page_data['page_title'] = site_phrase('shopping_cart');
47.         $this->load-
>view('frontend/'.get_frontend_settings('theme').'/index', $page_data);
48.     }
49.
50.     public function courses() {
51.         if (!$this->session->userdata('layout')) {
52.             $this->session->set_userdata('layout', 'list');
53.         }
54.         $layout = $this->session->userdata('layout');
55.         $selected_category_id = "all";
56.         $selected_price = "all";
57.         $selected_level = "all";
58.         $selected_language = "all";
59.         $selected_rating = "all";
60.         // Get the category ids
61.         if (isset($_GET['category']) && !empty($_GET['category']) && $_G
ET['category'] != "all") {
62.             $selected_category_id = $this->crud_model-
>get_category_id($_GET['category']);
63.         }
64.
65.         // Get the selected price
66.         if (isset($_GET['price']) && !empty($_GET['price'])) {
67.             $selected_price = $_GET['price'];
68.         }
69.
70.         // Get the selected level
71.         if (isset($_GET['level']) && !empty($_GET['level'])) {
72.             $selected_level = $_GET['level'];
73.         }
74.
75.         // Get the selected language
76.         if (isset($_GET['language']) && !empty($_GET['language'])) {
77.             $selected_language = $_GET['language'];

```

```

78.     }
79.
80.     // Get the selected rating
81.     if (isset($_GET['rating']) && !empty($_GET['rating'])) {
82.         $selected_rating = $_GET['rating'];
83.     }
84.
85.     if ($selected_category_id == "all" && $selected_price == "all"
&& $selected_level == 'all' && $selected_language == 'all' && $selected
_rating == 'all') {
86.         $this->db->where('status', 'active');
87.         $total_rows = $this->db->get('course')->num_rows();
88.         $config = array();
89.         $config = pagination($total_rows, 6);
90.         $config['base_url'] = site_url('home/courses/');
91.         $this->pagination->initialize($config);
92.         $this->db->where('status', 'active');
93.         $page_data['courses'] = $this->db-
>get('course', $config['per_page'], $this->uri->segment(3))-
>result_array();
94.     }else {
95.         $courses = $this->crud_model-
>filter_course($selected_category_id, $selected_price, $selected_level,
$selected_language, $selected_rating);
96.         $page_data['courses'] = $courses;
97.     }
98.
99.     $page_data['page_name'] = "courses_page";
100.     $page_data['page_title'] = site_phrase('courses');
101.     $page_data['layout'] = $layout;
102.     $page_data['selected_category_id'] = $selected_catego
ry_id;
103.     $page_data['selected_price'] = $selected_price;
104.     $page_data['selected_level'] = $selected_level;
105.     $page_data['selected_language'] = $selected_language;
106.     $page_data['selected_rating'] = $selected_rating;
107.     $this->load-
>view('frontend/'.get_frontend_settings('theme').'/index', $page_data);
108.     }
109.
110.     public function set_layout_to_session() {
111.         $layout = $this->input->post('layout');
112.         $this->session->set_userdata('layout', $layout);
113.     }
114.
115.     public function course($slug = "", $course_id = "") {
116.         $this->access_denied_courses($course_id);
117.         $page_data['course_id'] = $course_id;

```

```

118.         $page_data['page_name'] = "course_page";
119.         $page_data['page_title'] = site_phrase('course');
120.         $this->load-
>view('frontend/'.get_frontend_settings('theme').'/index', $page_data);
121.     }
122.
123.     public function instructor_page($instructor_id = "") {
124.         $page_data['page_name'] = "instructor_page";
125.         $page_data['page_title'] = site_phrase('instructor_page')
;
126.         $page_data['instructor_id'] = $instructor_id;
127.         $this->load-
>view('frontend/'.get_frontend_settings('theme').'/index', $page_data);
128.     }
129.
130.     public function my_courses() {
131.         if ($this->session->userdata('user_login') != true) {
132.             redirect(site_url('home'), 'refresh');
133.         }
134.
135.         $page_data['page_name'] = "my_courses";
136.         $page_data['page_title'] = site_phrase("my_courses");
137.         $this->load-
>view('frontend/'.get_frontend_settings('theme').'/index', $page_data);
138.     }
139.
140.     public function my_messages($param1 = "", $param2 = "") {
141.         if ($this->session->userdata('user_login') != true) {
142.             redirect(site_url('home'), 'refresh');
143.         }
144.         if ($param1 == 'read_message') {
145.             $page_data['message_thread_code'] = $param2;
146.         }
147.         elseif ($param1 == 'send_new') {
148.             $message_thread_code = $this->crud_model-
>send_new_private_message();
149.             $this->session-
>set_flashdata('flash_message', site_phrase('message_sent'));
150.             redirect(site_url('home/my_messages/read_message/' .
$message_thread_code), 'refresh');
151.         }
152.         elseif ($param1 == 'send_reply') {
153.             $this->crud_model-
>send_reply_message($param2); // $param2 = message_thread_code
154.             $this->session-
>set_flashdata('flash_message', site_phrase('message_sent'));
155.             redirect(site_url('home/my_messages/read_message/' .
$param2), 'refresh');

```

```

156.         }
157.         $page_data['page_name'] = "my_messages";
158.         $page_data['page_title'] = site_phrase('my_messages');
159.         $this->load-
>view('frontend/'.get_frontend_settings('theme').'/index', $page_data);
160.     }
161.
162.     public function my_notifications() {
163.         $page_data['page_name'] = "my_notifications";
164.         $page_data['page_title'] = site_phrase('my_notifications'
);
165.         $this->load-
>view('frontend/'.get_frontend_settings('theme').'/index', $page_data);
166.     }
167.
168.     public function my_wishlist() {
169.         if (!$this->session->userdata('cart_items')) {
170.             $this->session->set_userdata('cart_items', array());
171.         }
172.         $my_courses = $this->crud_model-
>get_courses_by_wishlists();
173.         $page_data['my_courses'] = $my_courses;
174.         $page_data['page_name'] = "my_wishlist";
175.         $page_data['page_title'] = site_phrase('my_wishlist');
176.         $this->load-
>view('frontend/'.get_frontend_settings('theme').'/index', $page_data);
177.     }
178.
179.     public function purchase_history() {
180.         if ($this->session->userdata('user_login') != true) {
181.             redirect(site_url('home'), 'refresh');
182.         }
183.
184.         $total_rows = $this->crud_model->purchase_history($this-
>session->userdata('user_id'))->num_rows();
185.         $config = array();
186.         $config = pagintaion($total_rows, 10);
187.         $config['base_url'] = site_url('home/purchase_history');
188.         $this->pagination->initialize($config);
189.         $page_data['per_page'] = $config['per_page'];
190.
191.         if(addon_status('offline_payment') == 1):
192.             $this->load->model('addons/offline_payment_model');
193.             $page_data['pending_offline_payment_history'] = $this
->offline_payment_model->pending_offline_payment($this->session-
>userdata('user_id'))->result_array();
194.         endif;
195.

```



```

196.         $page_data['page_name'] = "purchase_history";
197.         $page_data['page_title'] = site_phrase('purchase_history'
);
198.         $this->load-
>view('frontend/'.get_frontend_settings('theme').'/index', $page_data);
199.     }
200.
201.     public function profile($param1 = "") {
202.         if ($this->session->userdata('user_login') != true) {
203.             redirect(site_url('home'), 'refresh');
204.         }
205.
206.         if ($param1 == 'user_profile') {
207.             $page_data['page_name'] = "user_profile";
208.             $page_data['page_title'] = site_phrase('user_profile'
);
209.         }elseif ($param1 == 'user_credentials') {
210.             $page_data['page_name'] = "user_credentials";
211.             $page_data['page_title'] = site_phrase('credentials')
;
212.         }elseif ($param1 == 'user_photo') {
213.             $page_data['page_name'] = "update_user_photo";
214.             $page_data['page_title'] = site_phrase('update_user_p
hoto');
215.         }
216.         $page_data['user_details'] = $this->user_model-
>get_user($this->session->userdata('user_id'));
217.         $this->load-
>view('frontend/'.get_frontend_settings('theme').'/index', $page_data);
218.     }
219.
220.
221.     public function create_course() {
222.         if ($this->session->userdata('user_login') != 1){
223.             redirect('home', 'refresh');
224.         }
225.
226.         $page_data['page_name'] = 'create_course';
227.         $page_data['page_title'] = site_phrase('create_course');
228.         $this->load-
>view('frontend/'.get_frontend_settings('theme').'/index', $page_data);
229.     }
230.
231.     public function edit_course($param1 = "", $param2 = "") {
232.         if ($this->session->userdata('user_login') != 1){
233.             redirect('home', 'refresh');
234.         }
235.

```

```

236.         if ($param2 == "") {
237.             $page_data['type'] = 'edit_course';
238.         }else {
239.             $page_data['type'] = $param2;
240.         }
241.         $page_data['page_name'] = 'manage_course_details';
242.         $page_data['course_id'] = $param1;
243.         $page_data['page_title'] = site_phrase('edit_course');
244.         $this->load-
>view('frontend/'.get_frontend_settings('theme').'/index', $page_data);
245.     }
246.
247.     public function course_action($param1 = "", $param2 = "") {
248.         if ($this->session->userdata('user_login') != 1){
249.             redirect('home', 'refresh');
250.         }
251.
252.         if ($param1 == 'create') {
253.             if (isset($_POST['create_course'])) {
254.                 $this->crud_model->add_course();
255.                 redirect(site_url('home/create_course'), 'refresh
'););
256.             }else {
257.                 $this->crud_model->add_course('save_to_draft');
258.                 redirect(site_url('home/create_course'), 'refresh
'););
259.             }
260.         }elseif ($param1 == 'edit') {
261.             if (isset($_POST['publish'])) {
262.                 $this->crud_model-
>update_course($param2, 'publish');
263.                 redirect(site_url('home/dashboard'), 'refresh');
264.             }else {
265.                 $this->crud_model-
>update_course($param2, 'save_to_draft');
266.                 redirect(site_url('home/dashboard'), 'refresh');
267.             }
268.         }
269.     }
270.
271.     public function sections($action = "", $course_id = "", $sect
ion_id = "") {
272.         if ($this->session->userdata('user_login') != 1){
273.             redirect('home', 'refresh');
274.         }
275.
276.         if ($action == "add") {
277.             $this->crud_model->add_section($course_id);

```

```

278.
279.         }elseif ($action == "edit") {
280.             $this->crud_model->edit_section($section_id);
281.
282.         }elseif ($action == "delete") {
283.             $this->crud_model-
284. >delete_section($course_id, $section_id);
285.             $this->session-
286. >set_flashdata('flash_message', site_phrase('section_deleted'));
287.             redirect(site_url("home/edit_course/$course_id/manage
288. _section"), 'refresh');
289.
290.         }elseif ($action == "serialize_section") {
291.             $container = array();
292.             $serialization = json_decode($this->input-
293. >post('updatedSerialization'));
294.             foreach ($serialization as $key) {
295.                 array_push($container, $key->id);
296.             }
297.             $json = json_encode($container);
298.             $this->crud_model-
299. >serialize_section($course_id, $json);
300.         }
301.         $page_data['course_id'] = $course_id;
302.         $page_data['course_details'] = $this->crud_model-
303. >get_course_by_id($course_id)->row_array();
304.         return $this->load-
305. >view('frontend/'.get_frontend_settings('theme').'/reload_section', $pa
306. ge_data);
307.     }
308.
309.     public function manage_lessons($action = "", $course_id = "",
310. $lesson_id = "") {
311.         if ($this->session->userdata('user_login') != 1){
312.             redirect('home', 'refresh');
313.         }
314.         if ($action == 'add') {
315.             $this->crud_model->add_lesson();
316.             $this->session-
317. >set_flashdata('flash_message', site_phrase('lesson_added'));
318.         }
319.         elseif ($action == 'edit') {
320.             $this->crud_model->edit_lesson($lesson_id);
321.             $this->session-
322. >set_flashdata('flash_message', site_phrase('lesson_updated'));
323.         }
324.         elseif ($action == 'delete') {
325.             $this->crud_model->delete_lesson($lesson_id);

```

```

315.         $this->session-
>set_flashdata('flash_message', site_phrase('lesson_deleted'));
316.     }
317.     redirect('home/edit_course/' . $course_id . '/manage_lesson')
;
318.     }
319.
320.     public function lesson_editing_form($lesson_id = "", $course_
id = "") {
321.         if ($this->session->userdata('user_login') != 1){
322.             redirect('home', 'refresh');
323.         }
324.         $page_data['type']      = 'manage_lesson';
325.         $page_data['course_id'] = $course_id;
326.         $page_data['lesson_id'] = $lesson_id;
327.         $page_data['page_name']  = 'lesson_edit';
328.         $page_data['page_title'] = site_phrase('update_lesson');
329.         $this->load-
>view('frontend/'.get_frontend_settings('theme').'/index', $page_data);
330.     }
331.
332.     public function download($filename = "") {
333.         $tmp          = explode('.', $filename);
334.         $fileExtension = strtolower(end($tmp));
335.         $yourFile = base_url().'uploads/lesson_files/' . $filename;
336.         $file = @fopen($yourFile, "rb");
337.
338.         header('Content-Description: File Transfer');
339.         header('Content-Type: text/plain');
340.         header('Content-
Disposition: attachment; filename=' . $filename);
341.         header('Expires: 0');
342.         header('Cache-Control: must-revalidate');
343.         header('Pragma: public');
344.         header('Content-Length: ' . filesize($yourFile));
345.         while (!feof($file)) {
346.             print(@fread($file, 1024 * 8));
347.             ob_flush();
348.             flush();
349.         }
350.     }
351.
352.     // Version 1.3 codes
353.     public function get_enrolled_to_free_course($course_id) {
354.         if ($this->session->userdata('user_login') == 1) {
355.             $this->crud_model-
>enrol_to_free_course($course_id, $this->session->userdata('user_id'));
356.             redirect(site_url('home/my_courses'), 'refresh');

```

```

357.         }else {
358.             redirect(site_url('login'), 'refresh');
359.         }
360.     }
361.
362.     // Version 1.4 codes
363.     public function login() {
364.         if ($this->session->userdata('admin_login')) {
365.             redirect(site_url('admin'), 'refresh');
366.         }elseif ($this->session->userdata('user_login')) {
367.             redirect(site_url('user'), 'refresh');
368.         }
369.         $page_data['page_name'] = 'login';
370.         $page_data['page_title'] = site_phrase('login');
371.         $this->load-
>view('frontend/'.get_frontend_settings('theme').'/index', $page_data);
372.     }
373.
374.     public function sign_up() {
375.         if ($this->session->userdata('admin_login')) {
376.             redirect(site_url('admin'), 'refresh');
377.         }elseif ($this->session->userdata('user_login')) {
378.             redirect(site_url('user'), 'refresh');
379.         }
380.         $page_data['page_name'] = 'sign_up';
381.         $page_data['page_title'] = site_phrase('sign_up');
382.         $this->load-
>view('frontend/'.get_frontend_settings('theme').'/index', $page_data);
383.     }
384.
385.     public function forgot_password() {
386.         if ($this->session->userdata('admin_login')) {
387.             redirect(site_url('admin'), 'refresh');
388.         }elseif ($this->session->userdata('user_login')) {
389.             redirect(site_url('user'), 'refresh');
390.         }
391.         $page_data['page_name'] = 'forgot_password';
392.         $page_data['page_title'] = site_phrase('forgot_password')
;
393.         $this->load-
>view('frontend/'.get_frontend_settings('theme').'/index', $page_data);
394.     }
395.
396.     public function submit_quiz($from = "") {
397.         $submitted_quiz_info = array();
398.         $container = array();
399.         $quiz_id = $this->input->post('lesson_id');

```

```

400.         $quiz_questions = $this->crud_model-
>get_quiz_questions($quiz_id)->result_array();
401.         $total_correct_answers = 0;
402.         foreach ($quiz_questions as $quiz_question) {
403.             $submitted_answer_status = 0;
404.             $correct_answers = json_decode($quiz_question['correct_
t_answers']);
405.             $submitted_answers = array();
406.             foreach ($this->input-
>post($quiz_question['id']) as $each_submission) {
407.                 if (isset($each_submission)) {
408.                     array_push($submitted_answers, $each_submissi
on);
409.                 }
410.             }
411.             sort($correct_answers);
412.             sort($submitted_answers);
413.             if ($correct_answers == $submitted_answers) {
414.                 $submitted_answer_status = 1;
415.                 $total_correct_answers++;
416.             }
417.             $container = array(
418.                 "question_id" => $quiz_question['id'],
419.                 'submitted_answer_status' => $submitted_answer_st
atus,
420.                 "submitted_answers" => json_encode($submitted_ans
wers),
421.                 "correct_answers" => json_encode($correct_answer
s

```