

Moodle is a Collaborative Platform to – Leadership of E- Learning: Implementations and Eclecticism of the Research

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Abstract-- Of late and with the expanding the computer network include enhancing and development generally, E-learning became is a new path of many learning modes, especially in the course of e-learning with some problems are inevitable, such as decline in autonomous for students, student's emotion have been affected by learning outcomes greatly, leading into collaboration and interaction occasionally, inadequate supervision, low engagement and motivation and so on, In order to solve these problem Moodle consider as a effective platform and leadership-kind e-learning software came into being. This study presents a Moodle object oriented platform as powerful with full featured modular system organizing and its implementations. Unified with the researcher's teaching experience and practice refers out in which the Moodle platform can be amended, in hopes that eclecticism of the platform can maximum support leadership-kind e-learning effectively.

Keywords-- Moodle Collaborative Platform; Leadership-kind; Eclecticism, learning activities.



1 INTRODUCTION

In current time ,education sector faces a lot of challenge and difficulty with the computer network technology whether was innovation or development and generalization, instructors and learners request more suitable access to information, with higher effective teaching or study ways of-fice based on computer ,paperless and etc... .In addition the e-learning(Online learning) based on computer webs is becoming increasingly one of the gates of innovation and development in different fields in education "anyone can obtain many information in any time as long as the network connected at any where[7.3]", that interprets the essence and importance of digital e-learning from a practical approach, moreover web based e-learning has been broadly applied for its benefits in the multi fields especially in education involving business training.

2 E-LEARNING: STATUS AND STYLE

E- learning consider is a learner centered paradigm, which confirmed the students' self study style and independence studying manner , as well as e-learning is still a form of self-study indeed. The greatest benefit is that students can full enjoy free and stand alone , in addition the multi digital learning resource can be entirely reusable and extraordinarily preservation of limited instructor resources. However, a lot of problems with e-learning appears such as weak self- reticence as an outcome of complexity completed e-learning, feeling loneliness mood, sense of away , lacking for collaboration and interaction , shortage supervision in the method of study, which all these defects lead to weakness learning results.

3 EFFECTIVE STANDARDS TO DEAL WITH PROBLEMS VIA HIGHEST ONLINE STUDY RESEARCH

Overall, e-learning considered and classified as an effective tool for leadership-kind and self-kind online study till now. At explore, the majority of experts and specialists for online education institutions still insist on applying the mode of self-study to improve the study outcomes. Their standards involve the enhancing learner's self-study learning with increasing ability via external motivations and highlight and foster the performance of online courses by multimedia means and intelligent system, As well as to boost F-to-F study to promote interaction. But these standards could not shift the nature of defects of the self -study style. In the paradigm of leadership-kind e- study students have obvious aim and study online course content by plan underwent to guide of instructors. And several interactions between students and instructors can also surround the defects of self-kind study.

4 ATTRIBUTES OF THE LEADERSHIP-KIND E-STUDY VIA E-LEARNING

Leadership -kind of e-study contributed in confirm and framing the leading role of instructor's contract to self-kind stud. . According to the latest study style human-computer interaction is the major study method and students to decide the rate of promoting and progress by themselves. The instructors' just role is uploading the materials of online courses. While in the style of leadership-kind of e-study instructors are mediators and facilitators who want to be designing and ordering web courses, in addition managing the progress of study course and guiding learners earn more useful experience and knowledge by mind storm and discussing shift etc.. Due to, they can believe and resolve most problems together. Moreover there are a lot of differences between leadership-kind e-study and traditional ways represents F-to-F study. In the traditional ways learners are negative attitude by instructors' guide and their topics status is very difficult reflected. Com-

parison with leadership- kind e-study , the leading role of instructors and controlling the position of learners , both leading instructors and autonomous learners , both also F-to- F whether synchronous asynchronous, its benefits are performing fully[9.2].

5 MOODLE PLATFORM: IMPLEMENTATION AND TASKS

The term Moodle is an abbreviation of (Modular Object- Oriented Dynamic Learning Environment, Moodle is developed by Dr. Martin Dougiamas, an Australian who is considered as open source and effective e-learning platform. Main its tasks grounded on" social constructivism ", belonging in concepts to a constructivist theory, which has two major tasks.

5.1 SYSTEM ADMINISTRATION TASKS

Fully web site features and characteristics, the system unified front show and the background administration, include integral - featured and great characteristics online editors, understands and elastic install or install diverse dynamic module enhancing the administration maintenance tools, and improves a series of suitable techniques such as pursuing content shifts through e-mail and sharing of forum content via RSS.The learners can also extra development according to their particular needs .Meanwhile the open source like Moodle platform features via e-learning include multi-role permissions administration, many theme, multi language which available supporting, convenience operating. In addition it is anticipated that the most useful new technology to improve and help online education continuously [15, 12].

5.2 ONLINE TEACHING TASKS

To create of course home page and accurate curriculum using this system, whether was arrange courses information or organize results, send and receive email notification, disseminate and assess works .In this respect Moodle came as a collaborative and effective platform for online teaching modules are free to the dynamic integration of modular design; as simple as online teaching extremely interesting building block to instructors. Taken into account Moodle supports a diversity of teaching styles, which are so different from other e-learning software systems of comparable features, all types of modules have been improved and all attributes optimally to promote online education. For instance, the teaching aspect of the platform supports a lot of effective features such as available pre-installation for online questionnaire to qualify the instructors to guide and facilitate the investigation of learner habits and study style; platform implementation can be completed via the conducting filtration, like formulation editing, difficult symbols, in addition support for MP3 playback with its features online; WIKI technology can acquire a public mass creativity and so on. Meanwhile instructors can create a suitable and effective online learning communities and design leadership-kind of e-learning curriculum by Moodle platform[1,8,14].

5.3 IMPLEMENTATIONS OF MOODLE COLLABORATIVE PLATFORM

Moodle platform recently developed and enhancing rapidly, because of its robust tasks and readily operations. So many institutions suing Moodle platform arranging between 1500-2000 and approximately 10 million users from more than 150 different countries. Moodle became greatly popular in preparing for study curriculum development administration system in famous universities in the UK and Australia according to multi reports well -known made by Australian ' education organizations and Britain as well. Another biggest study software conducted in Taiwan universities, number of primary and secondary schools .And according to numbers of universities in different countries such as (Harbin university of Technology , Peking University, etc...) installed Moodle online courses as an effective and collaborative platform and free open source .Also Moodle will be suitable software and accepted by many markets because is a free open source administration system and convenience for a lot of functions digital campus platforms comparison with other software which almost very expensive. As well as the Moodle platform available free and can be installed easily and freely under the effective GPL license besides some of simple operation and technical characteristics [3, 10, 11].

6 IMPLEMENTATION OF MOODLE PLATFORM IN LEADERSHIP -KIND STUDY

6.1 ROLE OF ADMINISTRATION IN ORIENTING MOODLE PLATFORM

The Moodle platform includes main roles: manager, instructor, and learner (See Table 1) .In which the manager can be responsible about the teaching arrangement, who is in manages of the account controlling, limitations the instructor and learner visitation rights (also can add or delete ,some of the visitors), liberation announcement, oversees online study content and contexts and equipping adequate supplies technical support of the platform we security to sustainability, In this respect and according into teaching expertise and subtly , the manager does not have the observation carrying out essential's on line the learning process and manage the content actually at present, thus role of instructor and learner restricted to discussed in this paper behind

TABLE 1

User	Management Area
Manager	<ul style="list-style-type: none"> Manager - Account control - Right limit - Announcement disband - Content management - Technology and security
Instructor	<ul style="list-style-type: none"> Instructor - Announcement disband - Teaching program distribute - Works correct - Interactive area with Learner
Learner	<ul style="list-style-type: none"> Learner - Study on line courses - Announcement browse - Works upload - Outcome inquire - Interactive area with Instructor
Before detect	After detect

6.2 INVESTIGATION OF LEADERSHIP-KIND E-LEARNING IN MOODLE PLATFORM

Two modules mainly need to be designed course in Moodle platform include “resource” and “activity” consecutively through insert course contents , and at the same time “view” is consider curriculum bolster and support module comprises : HTML, host menu, RSS, etc. (Coherent shown in Figure

1)[14,2]. In addition there are abundant contents in the module “resource” which involve ,several web pages , text, catalogs, many labels, diverse links and multimedia forms of learning materials for the course .As well as the moodle platform includes a diversity of learning and teaching activities wanted in “activity” module, divided into four main parts: feedback activity , discussion ,assessment and interaction activity. Meanwhile WIKI, Ballot, questionnaire,seminar, course, etc. and all of them can be put on one list of systems.instructors and learners can discussion conducts via online chat, reports about the experience and collaboration,questionnaire,different feedback tasks through the ballot, several interactions by WIKI,glossary,etc..In this process can be all learning complete cycle process. In which instructor be leader for students study aim- oriented and eclectically unified with the level of their personal knowledge and easily display course content. In addition the instructor can obtain learners’ basic study and its history via model platform available by web-based growth through an e - record file.

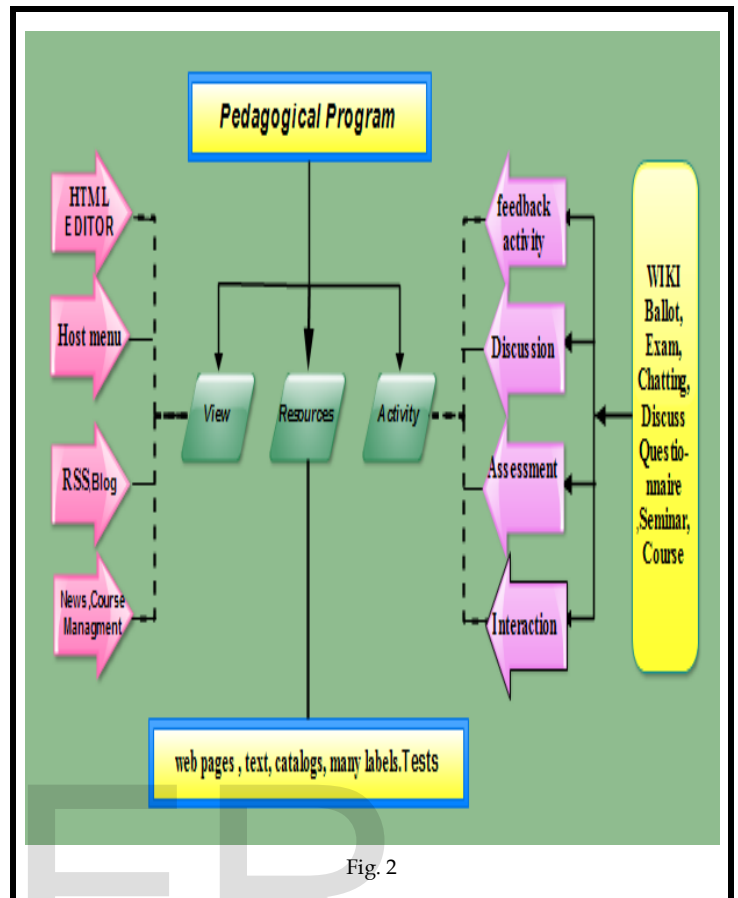


Fig. 2

6.3 UNDERSTANDING OF LEADERSHIP-KIND E-LEARNING PROCESS IN MOODLE PLATFORM

Instructors and learners take three main tasks consecutively in different roles (Coherent shown in Figure .2)[6,1].Instructors used manner tracking subsystem (S) monitoring and assessment learners’online study conduct , firstly on the basis of system to course visit time ,BBS forum record and BOLOG modify record of each account. In assessment subsystem(S) , instructors give grades to learners particular according to the exam and work outcomes, unified with the time the exam is ended, and then assess normal grades in previous tracking subsystem outcomes and gain thorough assessment based on different weighting of every part. This understanding extensive program assessment system and the tracking record can induce learners to study seriously and curb learners from possible cheat either[16].

Often Subsystems (S) of interaction conduct between instructors and learners should be being of discussing area, Question & Answer , sharing files and whiteboard, etc....Learners assessment subsystem (S) concessions ranking instructors’ uploading via online course and proceeding of online guidance in an interactive question and answer process. Comprehensive outcomes will be connected integrated with the outcomes of the questionnaire to learners; in addition, instructors can improve teaching through the inquiry outcome based on series of feedback. The learners’ manners such as login e-courses, online exam, submit works, result query,

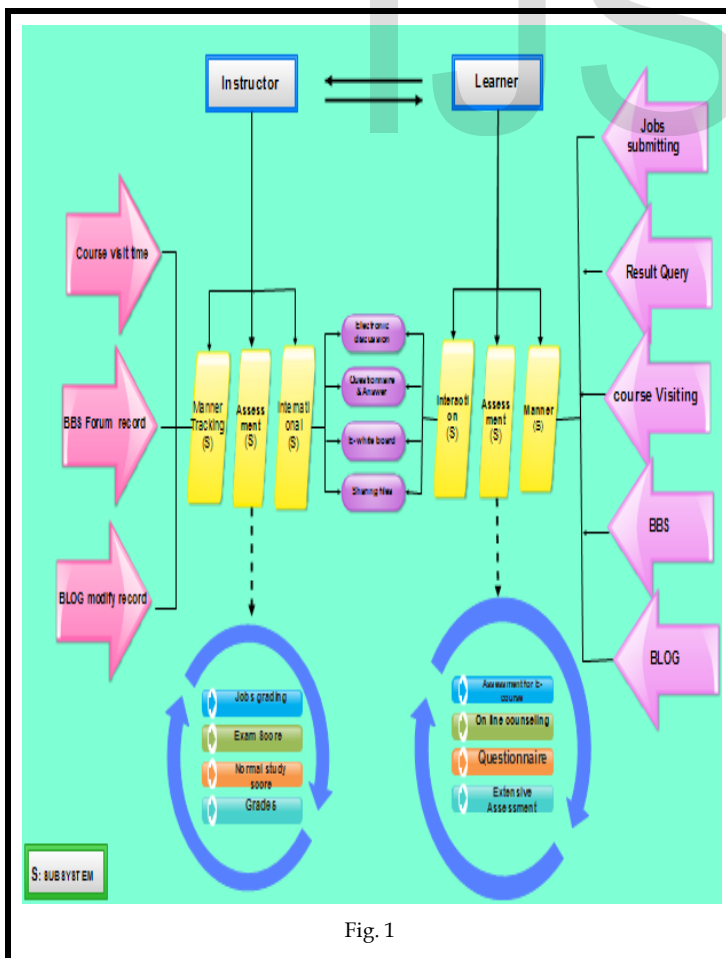


Fig. 1

BLOG and BBS are all recorded in their manner subsystem(S). In this respect, instructors can guide learners learn, understood progress alternately and interactive teaching, Meanwhile learners will up stand clearly through a period of goals under instructors' guide and the e-learning topics general lack of objectives and control of study will be overcome as a result[15,8].

7 ECLECTICISM OF THE RESEARCH ON MOODLE PLATFORM

It is explained that there are two main problems of Moodle platform in leadership-kind e-learning in my teaching expertise : first platform manager in behind the scenes is very far from entirely play its role, and occasionally exist in name only; second automatic aim system left so much to be desired.

7.1 ECLECTICISM OF MANAGER ROLE IN MOODLE PLATFORM

The role of a manager is particular and very clear from table 1, but in actual practice the manager can hardly play a distinguished role except some tasks related to providing needful technical support. Due to manager should take suitable place as shown in figure .3. To acquisition on extensive evaluation of the instructor, the manager monitors and assesses them at least by three incompetent main channels as follows: Richness by creating some of the judgments, Variegation and modify instruction of course content; Tracking instructor' manner online, explore of the platform in different time and effect of online counseling and question and answer record , only as the manner tracking subsystem(S) to learners; reaching at an extensive ranking degree unified with learners' feedback managers should use their full experiences to help instructors to guide students.on one hand instructors can easily tracking activeness of learners' e-learning to prevent students from possible spoofing such as ongoing online for long time .Thus, it would be incompetent study by Moodle platform if there are no time limited for example 20 minutes regarding to correspondingly instructors' tracking subsystem (S) to learners will make a 20 minute online evaluation.On the other hand,managers should modify each course electronic files and control on extensive assessment form for per student' alone account to insure the of study online continually.only this way , learners are motivated to take suitable site for each e-course seriously[5,12].

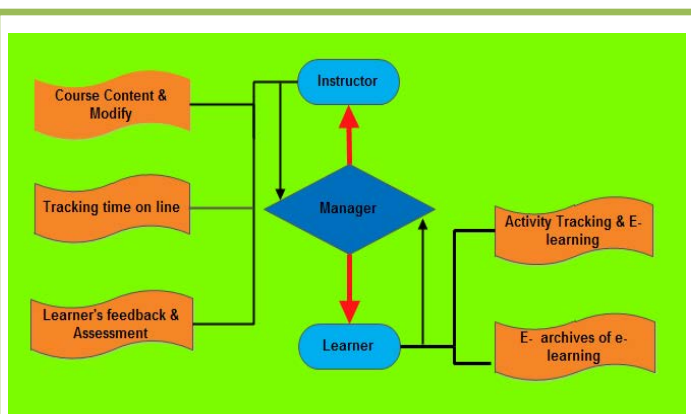


Fig. 3

7.2 SCORING SYSTEM FOR ECLECTICISM MOODLE PLATFORM

Scoring system for Moodle platform can be classified automatic and manual scoring system in accordance with different topicality or individual among the questions. instructors are liable to use automatic scoring system for saving time and appropriateness , the instructor can explain questions in many tests and hold the title automatically in a lot of categories to reuse them after that. Meanwhile the system will keep on generating results automatically as long as observance the link between question and answer.in this case questions and valid answer can be out-of-order (randomly) to reducing potentiality spoofing for students , taken into account the instructor should be proficient at the operating system because it's very complex for unprofessional computer instructors . Therefore each coding and defying related course need to spend a lot of time to adjust [8].

8 CONCLUSIONS

Here in this study just supplied train of ideas to solve the main problem which aforementioned above by using Moodle platform as an effective and collaborative platform and free open sources to simulate many software in easy way .In addition the leading automatic coding system is similar to PROTEL DXP which using usually in complete end- to end system that can be used to capture, simulate verify and implement electronic designs targeted, as well as it have many capabilities include (schematic capture for both OCB and FPGA designs, VHDL development and compilation hierarchical multi channels design support,etc) and here used in mechanical cybernation and can be applied in determining and defying questions and answers codes and decoding.To the final score , Moodle as an platform must be leadership in learning process and must support more statistics software such as SPSS or SEM to analysis variation and similarity among learners and instructors to facilitate instructor reveal the state of e-learning and monitoring and control the study speed and assessment, as well as Moodle platform should be able to import Software Process Improvement (SPI) to eclecticism itself via it support roughly any international measurement study systems[9,13,4].

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