

Tools used in Web Services as Web Based Learning Process

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Abstract— A tool in web services helps the user to improve and provide resources with different requirements for any purposes say software development, data processing, forums, entertainment and much more. This paper presents about the source of information for all learning process as an Education Based System Using Web (EBSUW) based tools and provides the best system using measurement analysis, test analysis, a learning process from pedagogical point of view and computational analysis – a web tool with a computational process. All web based tools helps the user with a matching criteria of their requirements and gives its production over Novel Web Based Education Process – NWBEP. In addition, the reflective toolkits assist in contributing in designing the learning objects. Different dimensions and diverse technologies are required to have vast changes and rapid development about finding which web tools provide successive measures for the skillful and good education on a technology based learning environment. CALL (Computer Assisted Language Learning) which provides a theoretical and methodological process for Language Learning using the tool called APPRAISAL Web with the existence of heterogeneous contents. Environment is the biggest factor to explore all the academic activities based on subjects as all of them are the environment requirements. Knowledge exploration in implementing the subject contents over the web tools helps the user to access a vital information and the same knowledge exploration can also under logical-mathematical computation which is difficult in using computational tools. A constructive tool called Web EcoTEC which characterizes computational tool for education based on logical mathematical thought structures. This tool is aimed to develop automated data collection and calculation of metrics. For any users who study materials using web tools would prefer to have a better visual design which makes them to go for online for a longer time. Therefore for understanding the relevance of virtual design which gives great impact over the subject knowledge or the subject (theme) of the tool. Social networks and other platforms are in support of the education to provide useful information in the form of digital storytelling and games which brings additional interest toward the subject and clear idea of what the user has to study about. SONNA is research project which provides an analysis and impact of social networks and web as educational tools.

Keywords --- web based tools, education, Web based tutorial, Web based Education, EBSUW, NWBEP.

I. INTRODUCTION

Education is important as it bring a vital knowledge in all forms of technology. Any Technology which prefers to give education should take a major subject as a consideration and integrate it to produce in pedagogical process.

The subjects can be anything for the consideration as communication, psychological or any educational programs. And to find the best NWBEP an analysis has been done on continuous monitoring of the site which provides a

measurement of how many users access and the number of views. The measurement analysis of the web tools needs to be tested for the efficiency in wiki based platform for Data Development Analysis and boundary analysis in the case improvement view and identifying the weakness. The learning kits with various learning methodologies require an instructional designer to have access on both methods and creative approaches with great focus on learning style.

A study about RAID – Reflective Action Instructional Design, LORI – a Learning Object Review Instrument has been done for the participants with queries who can follow the instruction provided with learning style and Quality of Design with the different components of Learning Objects [2]. For a rapid development in the field of education, new technology should be invented to access fast and reachable learning objects with various designs. Virtual classrooms will enable the participant to feel the real class room provided with web conferences, online forums, electronic mailing lists, wikis and blogs which enable a student to be self-paced.

Many projects gives the framework of pedagogical evaluation and the best results yielded through APPRAISALWeb which is Web-based Language Learning Resources and System provides a motivation to have both education about the environment in language learning and teaching[4]. Based on an environmental factor many tools has been developed and the tool Web EcoTEC which characterizes computational tool for education with logical mathematical structures [5]. When giving responses in web tool, the tool which quickly responses with assessment results in various formats for the end-user.

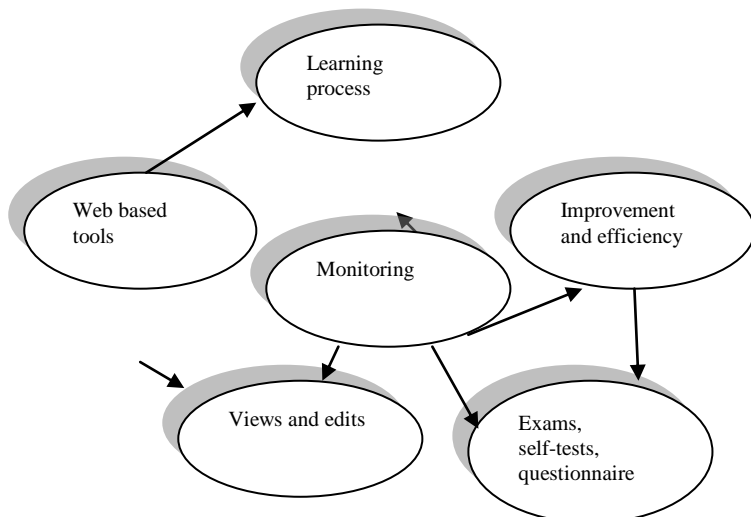


Fig 1: LEARNING ARCHITECTURE

Any user who prefers to learn with web oriented tools would prefer to see the designs and message conveyed by the design which also increases the attitude towards learning process and virtual tools are used to access the user with stimulating the subject knowledge interest and brings the interest on to the subject with interactive sessions attached using virtual tools. Aesthetic designs in web tools make the user to come up with arguments and queries which brings the visualization thoughts about the concept or subject they study for. Apart from learning through web tools, the impact of learning process can also brought using social networks and web as tools which provides web based 3D environment for the user to have a better understanding in the learning process. With this interactive measure, the content of the subject can be specified using digital story telling and games enhanced over to provide information about the subject [7].

II. METHODOLOGY

The first step to identify the measurement cause is to analyze the number of views and the edits done by the students [1]. A boundary analysis will be followed to identify the number of pages need to be modified so as to enhance efficiency. For analysis purposes the data was collected by means of wiki logs and also the number of students registered for their selective courses of academic purposes. In addition to it measuring information or to improve efficiency, a result survey will be gathered to improve the efficiency of the web tool and tools such as Statistical Package for the Social Science – SPSS13 and DEA[1] (Data Envelopment Analysis) are used to carry out analysis in windows. A design analysis is very important for any learning style and methodologies.

A major tool called LCMS [3] – Learning content Management System with different subjects registered on it and the Learning Object (LO) which has an enhanced feature of displaying short stories, meanings, motivation, and activity based design, screen design and some other tool to enhance memory with feedback sessions to make the participants interactive and create interest in the subject. Fast access in the technology with different ideas enables the student to study more and involve oneself with new ideas with interest. In this methodology the students will be involved to attend a set of questionnaires and results of the test with statistical data can be measured using boundary analysis and further evaluation process investigated with experts. Questionnaires will have two sections and provided with new technology called Technology Based Learning Environment [3]. For data analysis SPSS 16.0 was used to interpret and collect data. In addition of developing the activities and subjects based on academics and semesters, a new technology called Web-based Language Learning Resources and Systems led by CAMILLE[4] research group (Computer Assisted Multimedia Interactive Language Learning Environments). In the field of language learning, web contains a wide range of contexts, formats, levels and pedagogical purposes. The

nature of such resource provides continuous contribution to the society and technology based developments in Languages.

Any web tool provides a vast source of information with various academic points and subjects. Source of information from physical, logical mathematical and social are rarely be seen in web tools. A recent trend in environmental factor urges about getting metrics and computational results which is implemented using Web EcoTEC – a software for the computational tools developed by combining computer and telecommunication technologies for various class room and distance education. Education is an important factor for people of all age groups as it brings easy method to remember the principles with different interactive sessions provided in the tools. There interactive sessions are made using aesthetic designs or virtual design made by virtual tools.

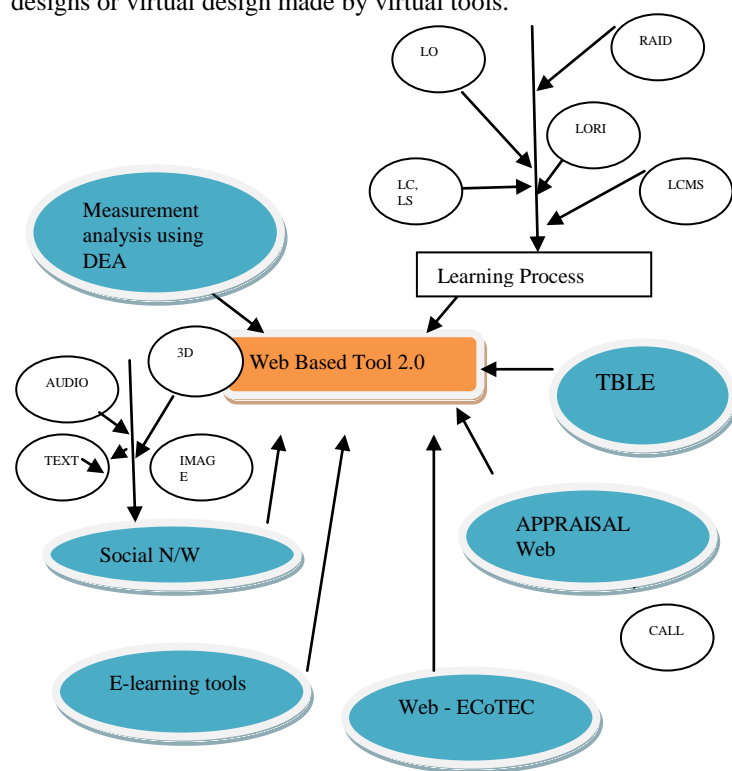


Fig 2: Technical Based Process of web based tool 2.0

Virtual designs makes the participant to involve into the subject with full interest with quick responses to questionnaire sections also enhance the user with positive influence on learning performances [5][6]. Apart from virtual designs, the content of the subject can be reached more clearly using social networks and web as tools which provide fruitful information using 3D environments. These social network methods and web as tools are implemented by SONNA, a research project as well as a software platform for the users implemented using Multimedia content to display the learning content in digital story telling process and games. This method works with educational software applications with required source of data and information.

III. CONTRIBUTION

Education is an important factor in all over the world to the people of all age groups. The main aim of this paper to specify the different ways that the technology has implemented the method of learning using web based tools and still many implementations are ahead for all types of users including visually challenged. Many web tools and software are in developmental process for learning any content which helps all the users to learn and understand in a simplified manner. Performance measurement of web tools projects the rating results with respect to DEA as Data Envelopment analysis method as a mathematical process using equations and formulae. This method analyses the input and output efficiency by considering one level higher on the output without affecting the input. The same level applies by considering reduced quantity of input without affecting the output [1].

A proper navigation is important in the learning process which is completely provided by the design and instruction system. PID's [2] are in responsible for making the design in collaborations with other learning process, feedback platforms and with interactive arguments. A good quality of design brings proper decision making in the studying material and involves the learner to participate in the discussions. A good design provides an interactive environment and invokes the participant to learn further. Multimedia on the other hand enhanced with web tools designed to have creative session before starting the Learning Content. LCMS determines the number of components and track on the registered users who are accessing the design with how many no of views and action over it.

Learning process still improves with respect to the technology content as multimedia formats in terms of audio, video and animation using communication tools. TBLE – Technology based learning Environment helps to improve the quality of the content system using data collection such as questionnaires, involving the user to actively participate in the session by giving, assignments, chats, self-tests, exams etc., Collaborative learning provides an asynchronous connection with teachers and out of interest the connection is converted into online lessons or classes and further prolongs to share files and contents or lessons with friends [3].

Pedagogical evaluation works high to improve web platform by collecting data from other resources which ultimately provides global knowledge [4]. The resources of APPRAISAL web are available as on open source and contributed to other communities as a global distributed knowledge [4].

ECoTEC provides an access to computational tools for automatic collection of data which support its access worldwide using prototype called web ECoTEC where it provides a proper structure in accessing all the data with detailed information will be displayed and connected with proper navigation and links [5].

IV. VISION AND FUTURE ENHANCEMENT

Learning process has no end and required to update continuously to provide services to all the users who attempt to complete their degree programs, online courses using web based tools. Every learning process required a material which insist to have most part of the courses in a particular style known as learning-to-learn. The effective method of updating the tool is by getting continuous feedback from the users who may be the students of all age and assessing them in giving regular homework and assignments, conducting exams, self-tests.

A proper demonstration of exercises in web based tools may try to access the user and make them actively participate and further enhance the user relationship with everyday activities of the tutor. A proper connection can be assured between the user and web based tools by providing appropriate enhanced learning objects with instructional components, periodic modules, reading assignments with proper simulations and a sample of quizzes and tests. Learning objects requires some characteristics to improve the web based tools in terms of size, reusability, accessibility, enhanced impact, durability and interoperability. To improve the learning objects in terms of technology aspect of the course, online questionnaires to the users or students will be given and the result of it shows the measurement or gives the impact of all web based tools.

Social media or network provides a technical platform with digital storyboard and web based collaborative 3D environment such as digital games in presenting the learning Contents [7]. The social network gathers data and designed in such a way to allow authorization including 3D content where the performance of the user can be integrated with other modules to show the result in terms of graphs, statistical analysis with respect to the aggregate data.

The efficiency and the effectiveness of the web based tools are improved along with e-learning tool in providing ease-of-use [6].

V. CONCLUSION

Learning is a process which can be implemented in different ways. This paper specifies about learning process and management system using various web based tools for all the users. Each tool specifies its own characteristics and as small summary of it the first method of the tools specifies the measuring efficiency and the number of views by the user in the web system. The number of views indicates the qualified page as the students or the adults are more towards it. Many Web tools access the user with learning objects which provides the user interactive session and questionnaires. Based on the boundary analysis the results can be interpreted to know more about oneself on learning using web based tools. In future many web based tools will be implemented based on the same fact that all the users will continue to do the learning process including visually disabled using the character recognition process with audio system under web based tools.

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composition of web services and mathematical model.

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