Erect a Web Application to Feed E-learning Utilizing MySQL and PHP

Dr B Rasina Begum[1], Ms B Seyed Rasiyammal[2]

[1]*Associate Professor & Head, Department of CSBS, Mohamed Sathak Engineering College, Kilakarai*
[2]*Department of CSBS, Mohamed Sathak Engineering College, Kilakarai*

Abstract :
E-learning fulfils the thirst of knowledge and offers online content that can be delivered for the learner at anywhere, anytime and any age through a wide range of e-learning result while compared with traditional literacy system. It also provides the rapid-fire access to specific knowledge and information. With the rapid-fire growth of substantial information sources and the time constraint the literacy methodology has changed. Learners gain knowledge through e Learning systems rather than manually tutoring and learning. The design and development of e-learning system is a critical part of the educational process as it reflects on the operation of the system. In this work, the design and perpetration of e-learning systems is described where different ways are explored and compared. In this design proposes thee-learning web operation using PHP and MYSQL. This system supports the cross cyber surfer and completely integrated with different databases. This system concentrated around the several features videlicet Content Management, Content Protection, Learning Management, Delivery operation, Evaluation operation, Access Control, etc., and substantially concentrated on integrated platform demanded fore-learning and superintendence's.

Keywords: e-learning web application, hyper text preprocessor, Content Management System, Content Protection.

I   INTRODUCTION

*e-Learning is an volition to a traditional classroom literacy experience and is frequently appertained to as " online literacy, " " remote literacy, " " virtual literacy, " " mobile literacy, " " digital literacy, " or " distance education ".
e-Learning involves using primarily the internet and one or further other technologies involving one/ two- way transmissions through open broadcast, closed circuit, string, microwave oven, broadband lines, fiber optics, satellite, or wireless dispatches bias or audio/ videotape conferencing. Online classrooms have come the new normal for scholars and preceptors during the ongoing COVID- 19 epidemic. To prop scholars during this time, there are several online literacy and education apps, which are available for both Android and IOS bias in India. While some of these learning apps concentrate on general motifs or are used as study aids, others are designed with technical fields of study in mind. E-learning fulfils the thirst of knowledge and offers online content that can be delivered for the learner at anywhere, anytime and any age through a wide range of e-learning result while compared with traditional literacy system. It also provides the rapid-fire access to specific knowledge and information. With the rapid-fire growth of substantial information sources and the time constraint the literacy methodology has changed.*

1.1.1   WHY WE GO FORE-LEARNING
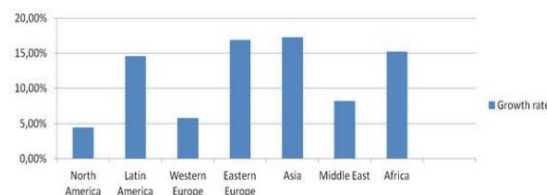
Figure 1.1e-learning Relinquishment Rates
Technological advancements similar as the development of educational apps and e-learning

software are reconsidering the way of traditional education. Parents, preceptors, and scholars are looking for platforms where they can communicate and unite nearly. Then are the other reasons why e-learning apps are getting popular These apps upgrade codified and advanced learning e-learning apps grease effective commerce Provides variety of options under a single operation Offers accessible literacy Ensures easy performance tracking

1.1.2   TYPE OF ELEARNING WEB

operations Educational operations or E-learning web app have come a primary source of conducting education for numerous institutions, universities, sodalities, and seminaries. The demand for similar operations has increased to contemporize the field of education as well as to conduct education during this epidemic situation caused by COVID- 19. Below are the types or orders of e learning web apps that are in demand E-LEARNING APPS FOR scholars An electronic literacy platform is an integrated set of interactive online services that give coaches, learners, and others involved in education with information, tools, and coffers to support and enhance education delivery and operation.
 It can initiate following programs:

- Character & language literacy program
- Skill improvement
- Creative literacy
- Ameliorate allowing capability
- Boost problem- working chops

1.1.3   KEY FEATURES OF ELEARNING

piecemeal from furnishing a comfortable terrain for literacy, eLearning apps render numerous other benefits to the scholars as well as preceptors.
Let's dig deeper into the same for pupils
  Registration- To let students produce their profile through dispatch or social media biographies.
  Login – Login our web app using username and word Hunt- To hunt for a particular course, subject, or instructor on the app.
 Select Course- also elect particular courses.
 Learn- To study above particular courses.
 Test- Attend mock tests.
 Logout- Eventually logout our web operation.

II. RELATED WORK

 In recent times E-learning is one of the major trends in education. E-learning is among the most important explosion propelled by the internet metamorphosis. Although it has the incapability to handle all functions of the institution similar as some courses that bear practical chops and supervision but it also increases the commerce among scholars and lectures which in turn will lead to achieve the literacy thing as scholars are suitable to pierce anywhere and anytime The study was presented by Florentina Magda Enescu, Gheorghe? erban, Mariana Jurian Romania 2019 on Electronics, Computers and Artificial Intelligence(ECAI) International Conference 11th Edition published in time 2019. After several analyzes of the most sophisticated web programming language for enforcing the operation for the E-Learning module, the PHP programming language was chosen and the frame created is grounded on the programming language that's PHP, Laravel which was rearmost interpretation released. For storing the data, it was chosen to use the MySQL database. Keeping the specialized aspects of the elearning system in mind exploration conducted by Vaishnavi Agarwal, Nandita Pandey, KM Anjali, Anandhan K, Damodharan D Noida2021 published on International Conference on advance computing and Innovative Technologies in Engineering(ICACITE). Creating an educational website creates a lot of business sense as we can do a lot of effects with it, to insure its success. An educational website, if it provides accurate and important- required information, can help make brand credibility. In the specialized aspects of Single Web runner operation exploration conducted by Prof. Smita Deshmukh, Mr. Deepak Mane, Mr. Abhijeet Retawade Mumbai 2019 in Proceedings of the Third International Conference on Computing Methodologies and

Communication(ICCMC 2019)[2]. A single-runner operation is a web operation or web point that does n't reload the runner always from the garçon and commerce with the stoner is done by stoutly changing the current runner. The stoner experience is n't intruded in this way while penetrating consecutive runners and makes the operation bear like a desktop. The exploration conducted by Mahani Hamdan, Jainatul Halida Jaidin Mia Fithriyah Begawan 2020 in 2020 Sixth International Conference one-Learning(econf) depicts the problem arised for learning sucker E-learning action holds the stylish tutoring and literacy practices in the face of moment's extremity, it's far too limited for what's on offer similar as the benefits and enjoyment of face- to- face social relations. inescapably, it's the only advance to survive during the outbreak. Smart Mobile bias(SMDs) and Internet play a critical part in forcing education systems to borrow and strengthen the use of E-learning The study represented by Slavina Ivanova and Georgi Georgiev MIPRO 2019. The quality of E-learning website getting an concern for learners and web contrivers because of material vacuity, harmonious, interactivity, trustability and numerous more.Multi- criteria decision making styles have lately attracted the attention[4]. Recent developments in Web- grounded technologies and their use in education has led to increase use of computer systems. In order to close those gaps and recreate a sense of community in the virtual realm, it creates a number of technologies that motivate students to actively engage in in-person sessions. To be as effective as traditional classes, online education has to facilitate social learning[1].

III   METHODOLOGY

E-learning exploits Web technology as its introductory specialized structure to deliver knowledge. As the current trend of academic and artificial realities is to increase the use of e-

literacy, in the near future a advanced demand of technology support is anticipated[1]. In particular, software tools supporting the critical task of instruction design should give robotic support for the analysis, design, attestation, perpetration, and deployment of instruction via Web.

3.1. Requirements
Hardware :
The proposed system requires the following hardware:
Operating Systems : Windows 10
Processors : Any Intel or Amd x86-64
RAM : 4GB

Software :
- Download and Install any local web server such as XAMPP.
- Download the provided source code in zip file.
- PHP
- XAMPP
- MySQL Database
- HTML
- CSS
- JavaScript
- jquery

SYSTEM INSTALLATION/ SETUP

1. Open your XAMPP Control Panel and start Apache and MySQL.
2. Extract the source law zip train.
3. Copy the uprooted source law brochure and bury it into the XAMPP's" htdocs" directory.
4. Browse the PHPMyAdmin in a cyber surfer. i.e. http// localhost/ phpmyadmin
5. produce a new database.
6. Import the handed SQL train. The train is known as database.sql located inside the database brochure.
7. Browse the Simple e-Learning System in a cyber surfer. i.e. http// localhost/ project_name

3.2 Proposed Model

In this proposed system of e-learning E-Learning exploits Web technology as its introductory specialized structure to deliver knowledge. As the current trend of academic and artificial realities is to increase the use of e- literacy, in the near future a advanced demand of technology support is anticipated. In particular, software tools supporting the critical task of instruction design should give robotic support for the analysis, design, attestation, perpetration, and deployment of instruction via Web. In this design to add institutions to project, use model heritage, produce custom model fields, use class- grounded views, and manage groups and warrants. You'll produce a content operation system and handle form sets.
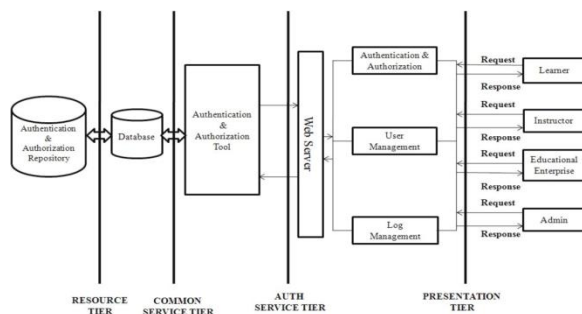
Figure 3.1 Architecture of Authentication and Authorization

Interaction in Learning

Learner(s)- Teachers(s) Interaction, and Learner(s) – Learner(s) Interaction these two types of relations are among humans, and they're the commerce forms that people are most familiar with. thus, utmost exploration studies are fastening on these two types of commerce, especially in the exploration of Computer Supported cooperative literacy (CSCL). According to(13), if collaboration rather than individual literacy designs were used in an online class, scholars should be more motivated to laboriously share and should perceive the medium as fairly friendly and particular as a result of the online social relations. This increased active group commerce and

participation in the online course, hence, redounded in advanced comprehensions of tone- reported literacy. Whereas individualities working alone online tended to be less motivated, perceive lower situations of literacy, and score lower on the test of mastery.

4. EXPERIMENTS AND RESULT ANALYSIS

This e-Learning web operation is accessible to anyone. It requires the druggies to register their account for free by filling in all the needed fields on the enrollment form. After the successful enrollment , druggies can pierce the features and functionalities by logging in to the system with their system credentials. The druggies can also modernize their account details similar as their memoir and profile picture on the operation. druggies can either view or joined to a class. The stoner who creates the class will serve as the schoolteacher of the class. On the courses runner, druggies can post some motifs for discussion and all posts in the class are listed on the discussion feed where Admin of the course can see the post and write a comment to the post. Then, preceptors can upload an attachment train for their pupil assignment. stoner can post the feedback to admin. This operation has multiple features and functionalities. The proposed method have some advantages such as Improved Pace: Quick & Effective Learning Anytime, Dynamic and quick learning process, Dynamic course structure.The proposed model is compared with previous methods may have different features.

FEATURES

- *Login*
  - *Username*
  - *Password*
- *Registration*
- *Home Page*
  - *Login age*
  - *List all courses*
- *Course Management*

- *List all courses*
- *Contact admin*
- *Update profile*
- *Course Page*

Course Details Display

- *Courses lists Display*
- *To Learn a listed courses*
- *List all Posts*
- *List all chapter*
- *List all assignment and try It yourself page*
- *Upload attachment file on posting an try It yourself assignment*
- *Contact admin*
- *Submit Feedback*
- *Profile Page*
- *Update Profile Details*
- *Logout*

The proposed system uses new features. figures presents a web app in terms of proposed systems.

HOME PAGE

Figure 5.1.1 Home Page

LOGIN PAGE
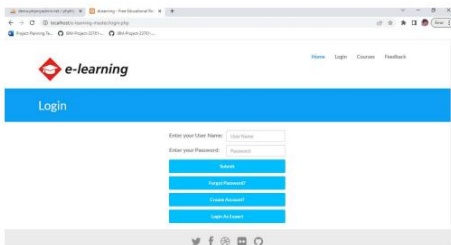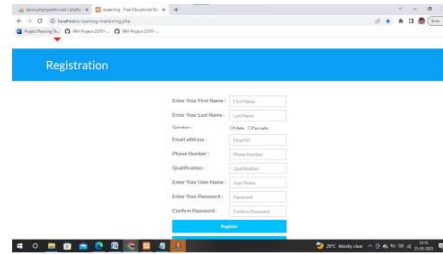

Figure 5.1.2 Login Page

REGISTRATION

Figure 5.1.3 Registration Page
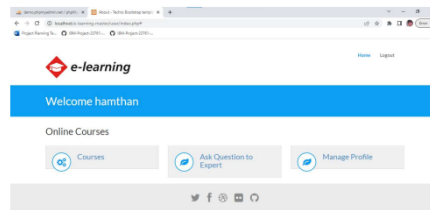
SHOW ONLINE COURSES

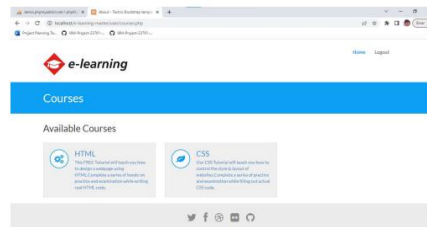
Figure 5.1.4 Profile page

LIST OF COURSES

Figure 5.1.5 Show list of courses
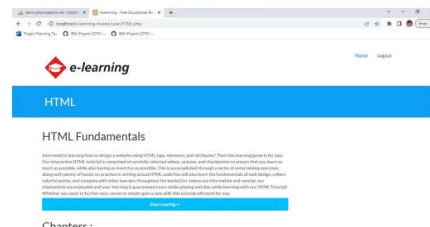
SELECT COURSE

Figure 5.1.6 Select particular course
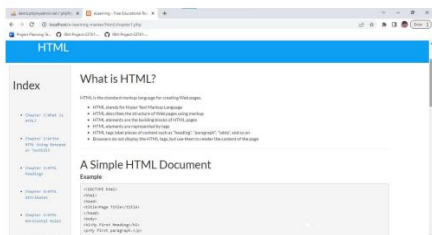
START LEARNING

Figure 5.1.7 Start Learning

5. CONCLUSION AND FEATURE WORK

The proposed paper used to design a Content Management System(CMS) for E-learning web operation platform, which enables you to learn a important online courses. E-learning isn't just a change of technology. It's part of a redefinition of how we as a species transmit knowledge, chops, and values to youngish generations of workers and scholars. This book makes a many prognostications of how e-learning and the functions it serves will continue to develop. Learners will have access to millions or billions of knowledge modules. Some will be Web runners with simple textbook and plates. Others may include multimedia simulations. In numerous fields, e-learning has come the default way to conduct training or to give education. To sum up, the program is scalable, has lots of opportunities for development, and has a ton of features that are currently in place. The three different user types can engage with the application in a way that is accessible to them. The platform's ability to be expanded to several departments and even faculties is one of its benefits. An effective software solution for managing instructional materials and critical communications from teachers to students is offered by the e-learning module. Its goal is enabling pupils to communicate with teachers and other students. Obtain the instructional materials fast and affordably, as well as stay current on headlines. In future, Build with AI tools to make a two way interaction session.

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