



e-ISSN: 2319-8753 | p-ISSN: 2320-6710

IJRSET

International Journal of Innovative Research in
SCIENCE | ENGINEERING | TECHNOLOGY

INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH

IN SCIENCE | ENGINEERING | TECHNOLOGY

Volume 10, Issue 6, June 2021

ISSN INTERNATIONAL
STANDARD
SERIAL
NUMBER
INDIA

Impact Factor: 7.512

9940 572 462

6381 907 438

ijirset@gmail.com

www.ijirset.com

Digital Language Lab Portal

Gadekar Shubham¹, Pawar Rohit², Musale Akshay³, Prof. Sonavane.P.R.⁴

Student, Dept. of Comp, Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar, India¹

Student, Dept. of Comp, Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar, India²

Student, Dept. of Comp, Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar, India³

Guide, Dept. of Comp, Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar, India⁴

ABSTRACT:The need of education is the lead to economic growth. Earlier days many of the perseverance learners looked for the means to learn new things, but only some are succeeded as they put much effort in all means. The scenario now-a-days is entirely different as new technologies and new inventions are twinned a way for better education through digitalisation. This digitalisation paved a way for development of the academic content by e-resources. Many organisations are competing one another to produce the user friendly, widely available e- content either commercially or freely. The proposed paper covers various e- resources and learning sites through tabular form, which carries the number of courses and users enrolled, free or paid etc. It also depicts the different e-learning components visually by pie-charts. These is web as well as android application help to conducts schools and colleges in online mode. These application makes task easy such as upload documents, videos, pdf regarding syllabus and study material. By using these application teachers get online exam and generate result quick as possible. Student also conduct missed lectures beyond limit of place and time. Student conduct live lectures and lecture whose missed due to some reasons. Student get regular notification on app regarding college, department and exam. Student also conduct exams in online mode and get result quick. These application also helpful to submit assignment and practical work online to teachers..

KEYWORDS: GSM, IOT, LAN, E-learning

I. INTRODUCTION

Now a days we are see all education facilities being in online mode. The process of studying through electronic devices is called e-learning or electronic learning. This e-learning is also said to be online education. Computers and internet connections are the major components of e-learning. In this digital era where the technology develops rapidly, the usage rate of online education is also pretty high. Now-a-days most of the people across the globe are very familiar with the usage of smart phones, tablets, laptops. These electronic inventions made them get connected to various social networking platforms. Social media is one of the finest way of communication that enables us to share knowledge, information. latest news across the world. Online education also offers the capacity to save and share materials, e-notes in all types of formats consisting of films, slideshows, phrase files, and pdfs. Undertaking seminars (live sessions) and peaking with professors via chat and message forums is another feature provided to users. Some of them are listed below:

1. It is fee-effective and saves time:

By the way of lowering the time consumed far from the workplace, disposing of tour prices and putting off printed materials, on-line studying lets you save money and acts as a booming place for business productivity. E-learning support Due to many reasons student are unable to conduct lecture in physical classroom so we need to design a system such a way that these system make work simple and beyond the limit of space and time. By using these portal student can conduct lecture in online mode and also conduct lecture whose are missed by some reason. Student get all notification in their applications and also submit assignment, attend the exam. These system also helpful for teacher to examine the student progress by view their reports and also generate report on one click.

1. Easily managed:

E-learning courses can also be managed in our busy running schedule. The maximum of e-learning guides have a certain duration time, and it also permits learners to print out the certificate of fulfilment as an extra incentive.



1. **Online classroom environment:**

It is discreet that not all of us feel relaxed studying in a huge organisation, but e-studying allows anybody to address the subject according to the people's personal tempo, with interactive tasks ensuring an intensive knowledge during every module

II. **RELATED WORK**

A successful e-learning experience will use a combination of the technologies most appropriate for the practitioner, the learner group, the course content and course assessment. Central to e-learning success are communication technologies which are generally categorized as synchronous or asynchronous. Synchronous activities happen at the same time and involve the exchange of ideas and information with one or more participants.

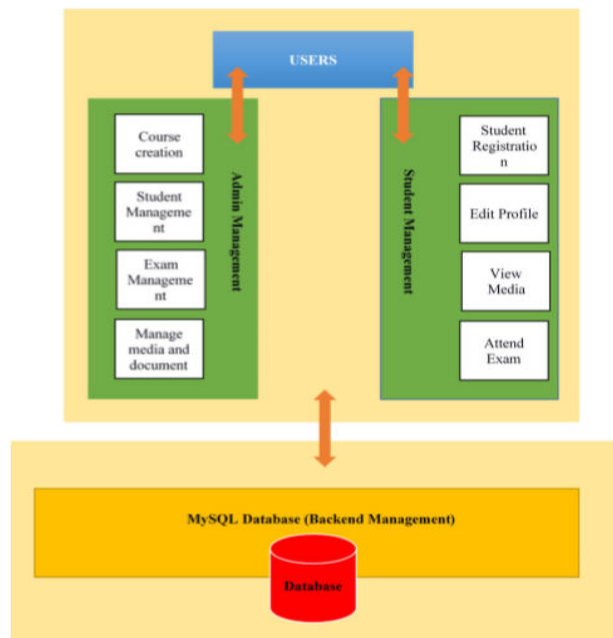


Fig: Architecture Diagram

Synchronous activities occur with all participants joining in at once, as with an online chat session or a virtual classroom. Virtual classrooms (also virtual conferences or web conferences) allow practitioners and students to interact in real time from their own computer using text chat, live voice, and interactive whiteboards. Asynchronous activities are conducted with participants providing input at different times and use technologies such as blogs, wikis, discussion forums, and email.

A Learning Management System (LMS) is software for delivering content, tracking students and managing training. Practitioners set up a course web page to hold learning content and assessments, then track and manage their students with tools like grade books and activity reports. M-Learning or mobile learning covers learning with portable technologies like mobile phones, or PDAs (personal digital assistant), where the focus is on the technology (which could be in a fixed location, such as a classroom); learning across contexts, where the focus is on the mobility of the learner, interacting with portable or fixed technology; and learning in a mobile society, with a focus on how society and its institutions can accommodate and support the learning of an increasingly mobile population that is not satisfied with existing learning methodologies.

III. METHODOLOGY

- Binary Search

These algorithms are specifically designed for searching in sorted data structures. These type of searching algorithms are much more efficient than Linear Search as they repeatedly target the center of the search structure and divide the search space in half.

- View Processing Algorithms Mysql

The optional algorithm clause for CREATE VIEW or ALTER VIEW is a MySQL extension to standard SQL. It affects how MySQL processes the view. Algorithm takes three values: MERGE, TEMPTABLE, or UNDEFINED.

- ORDER BY Optimization

This section describes when MySQL can use an index to satisfy an ORDER BY clause, the filesort operation used when an index cannot be used, and execution plan information available from the optimizer about ORDER BY.

IV. EXPERIMENTAL RESULTS

Based on the analysis and design of Digital Language Lab Portal, it can be concluded into several points. First, with Online Learning, students have no difficulty in learning. It is because the material can be obtained through this Digital Language Lab Portal (DLLP). These learning materials can be accessed on the portal. Second, in Online Learning, the progress of the learning process can be measured through the features of lesson and quiz. Then, the learning outcomes can be viewed through member dashboard.



V. CONCLUSION

Based on the analysis and design of Digital Language Lab Portal, it can be concluded into several points. First, with Online Learning, students have no difficulty in learning. It is because the material can be obtained through this Digital Language Lab Portal (DLLP). These learning materials can be accessed on the portal. Second, in Online Learning, the progress of the learning process can be measured through the features of lesson and quiz. Then, the learning outcomes can be viewed through member dashboard. For further research, the DLLP can be expanded. For example, it can have discussion forum for users to discuss learning materials. Moreover, the future researcher can add online compiler to check the students' answer.



REFERENCES

1. Mudassir Khan, "The Scope of e-learning in the Computer Science & Technology," International Journal of Computer Science Engineering and Information Technology Research (IJCEITR), vol. 6, no. 6, pp.1-6, 2016.
2. Froilan D. Mobo and O Sabado Gesswein, "An Assessment of the Effectiveness of E-Learning in AMAO Longapo Campus," Oriental Journal of Computer Science and Technology, vol. 12, no. 3, pp. 99-105, 2019.
3. Roohinder Kaur, "E-Learning Portal: Its Development & its Scope," International Journal of Computer Science And Technology, vol. 3, no. 3, pp. 754-755, 2012.
4. Sonia Sachdeva and Kavita, "E-Learning System in Indian companies, scope and future: A comparative study," International Journal of Engineering and Innovative Technology (IJEIT), vol. 6, no.12, pp. 1-4, 2017.
5. Vrishali Surndra Randhir and Arum Gaikwad, "E-Learning in India: Wheel of Change," International Journal of eEducation, e-Business, e-Management and e-Learning, vol. 6, no. 1, pp. 40-45, 2016.



INNO SPACE
SJIF Scientific Journal Impact Factor

**Impact Factor:
7.512**

ISSN INTERNATIONAL
STANDARD
SERIAL
NUMBER
INDIA



INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH

IN SCIENCE | ENGINEERING | TECHNOLOGY

 9940 572 462  6381 907 438  ijirset@gmail.com



www.ijirset.com

Scan to save the contact details