E-CLASSROOM MANAGEMENT

Mansi Baviskar[1], Akanksha Bhosale[2], Sanika Dhawale [3], Sakshi Gaikwad[4], Lect. S. D.Sapate[5]

[1,2,3,4] *Student, Dept. of Computer Technology, B.V.J.N.I.O.T, Pune, Maharashtra, India.*
[5]*Lecturer, Dept. of Computer Technology, B.V.J.N.I.O.T, Pune, Maharashtra, India.*

---***---

Abstract - *The Role of Learning Management System [LMS] in pedagogical practices has expanded in recent years. Online resources technology-based applications allow educators to serve students quickly, efficiently in a manner that the 21st Century Student is habitual. "E-learning Classroom" is all about empower teaching & learning from anywhere on any device and give your class more flexibility & mobility. It prepares & schedule tasks, assignments across multiple classes and track how students are engaging with classroom tools. In E-learning classroom we can be reliable on some important factors like making announcements, assigning assignment, store classroom materials, allow students to interact and to record documents. All the files uploaded by teachers & students are stored in a classroom. Users can access classroom on their fingertips. Students not need to worry about crashed computers or hungry dogs. Sharing videos, links or images from other website will be clever move for saving the time instead of searching the things in textbooks or reference books. By using this technology "E-learning Classroom" intricates document will breakdown. It will provide all necessities easily and will aim to go beyond the blackboard & textbooks approach to improve the learning experience and help in connecting technology with education.*

Key Words: **E-Learning, technology based, LMS.**

1. INTRODUCTION

The E-learning Classroom aims to travel beyond the blackboard and textbook approach. The proposed website will provide a central site for having connectivity between students and teachers. Files are often uploaded by students as well as teachers.

Users can access this anytime, anywhere on their fingertips. Outdated system causes heavy work pressure our system is going to be beneficial for teachers which can minimize their documentation and also it'll reduce time.

Blended learning which uses education technology tools is proving to be influential in helping both students and teachers to flip their classroom management from pedagogical approach towards blended learning through LMS (Learning Management System).

Previous studies show that difficulties in managing documentation of notes and managing them for long period of time. The first purpose of E-learning classroom is to streamline the method of sharing files between teachers and students.

However, empower teaching and learning from anywhere, on any device and provides your class more flexibility and mobility.

1.1 Aim & Objective

The rapid expansion and growth of technology is observed to possess brought an unprecedented transformation and opportunities for students and teachers to realize greater performance and productivity. To bring this technology in day to day use for students and teachers is the only aim for developing this web application.

-Developing a web application for E-Classroom Management under the guide and other staff member.

-Well known existing system which we all known is Google Classroom, taking into consideration we modify this term by implementing new feature.

-New features like uploading notes, videos(video lectures) a comment box for holding interaction between student and teacher.

1.2 Motivation

Existing classroom has no feature like video lecture or creating our own classroom inside the web application, therefore by using our proposed system this features can be achieved. E-classroom Management system's basic functionality is to make announcements, assigning assignments, store classroom materials, allow students to interact with other students and teachers, and to record documents.

2. LITERATURE SURVEY (related work)

Article [1] presents an E-classroom Management System Implementation : Author: John Oliver P. Brioso Far Eastern, University, Manila, Philippines.

The implementation of an E – classroom management with performance feedback mechanism system needs careful planning and collaborative efforts among students and IT professionals.

Article [2] presents student's Perception and Continuous Intention to Use E-Learning System: The Case of GoogleClassroom

Author: Dr. Kwame Ansong – Gyimah
However, the results are difficult to generalize since convenience sampling technique was used to select the respondents. In addition, although the study admits thatmoderators such gender may influence the results, the research model did not include such moderators.

Article [3] presents the effectiveness of Google Classroomasan Instruction Media: A case of state Islamic institute ofKendari, Indonesia

Author: Nur Alim, Wa Linda, Fahmi Gunawan, MohdShamsuri Md Saad

This study aims to explore the effectiveness of Google Classroom within the learning process at the State IslamicInstitute of Kendari.

Research shows that the Online Course Design: A Review of theCanvas Course Evaluation Checklist

Author: Sally Baldwin and Yu-Hui Ching Boise StateUniversity

The result is easy-to-use checklist that provides specific guidelines for designing an online course and promotes personalization and accessibility is beneficial to Canvas users. Introduced easy-to-use evaluation checklist that neglects previously identified research-based to potentiallya third of higher education online course instructors/designers is disconcerting.

Article [4] presents The use of Moodle e-learning platform: astudy in a Portuguese University Carolina Costaa.

Author: Helena Alvelosa,b, Leonor Teixeiraa,b,c
This paper analyzed the foremost functionalities and toolsavailable within the Moodle platform and their use at the University of Aveiro. It was found that the Moodle@UA contains a number of the most tools of the quality Moodle platform, like Assignments, Chats, Forums,Newsand Quiz/Survey.

2.1 Problem Statement

Using technology during an appropriate manner is one among the most challenging task for the teachers to manage in a blended learning environment; With the target of accelerating classroom effectiveness, teachers aim to reinforce student engagement by making student experience more independent and personalized, a growing number of schools, colleges, and higher education institutes are within the phase of adoption of blended learning in developing countries.

E-Classroom Management System can be one of the platforms out there for enhancing teacher's workflow.

This System is supposed to assist teachers manage the creation and collection of students assignments in a paperless environment. "**Trying to be out of box to create/develop an web application for E-Classroom management.**"

3. PROPOSED SYSTEM

This project "E-Classroom Management" is implemented using web application. To avoid the drawbacks in the existing system, the proposed system is designed as by adding video lectures, uploading the notes, adding comment section.

Teacher can upload the notes, assignments and whenthe student upload their submission the teacher can access it. Student cansee the video lecture anytime, anywhere which are uploaded by the teacher.

The web application will be implemented using HTML, CSS as front-end, PHP language as a backend and MySQL forstoring the data base information.
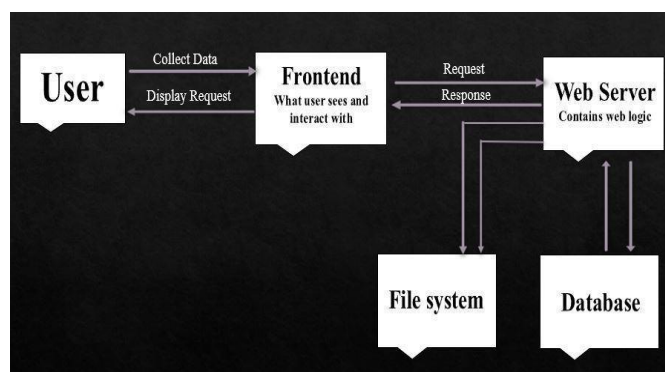
4. WORKING METHODOLOGY

Fig-4 Architecture Diagram of proposed system

4.1 WORKING METHODOLOGY

4.2 User Login

The user can first register with his/her username and password. So if the user is teacher he/she can create class or classes after logging in and can provide the code of created class to the students to join it. And if the user is student then he/she can join or login the class with the code provided by the teacher of their particular subject.

4.3 Registration

The students and teachers who are going to access the system for the first time has to register initially and then they can login to the system.

4.4 Teacher upload

After registering successfully the teacher can create class share the code of created class to his/her students. Teachers can add /upload video lectures, notes, assignments and other relevant information there. They can also provide any notice on the dashboard of sharing documents. Teachers can see the uploads or submissions done by the students.

4.5 Student upload

Students after logging into a particular class by the code provided by the teacher can see the notice given by their teacher. They can upload assignments assigned to them or any doubts about it by commenting down in the uploading section.

5.MODULE IMPLEMENTATION

5.1 Login page

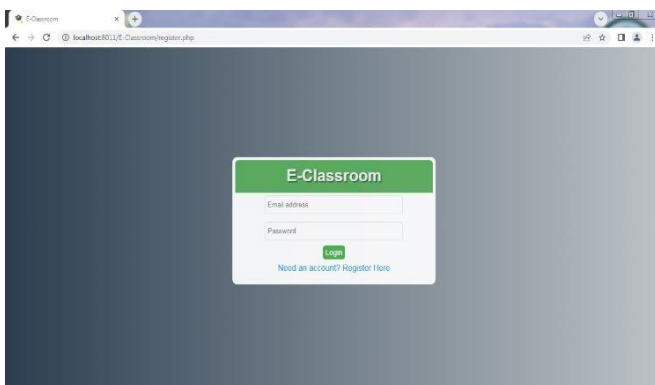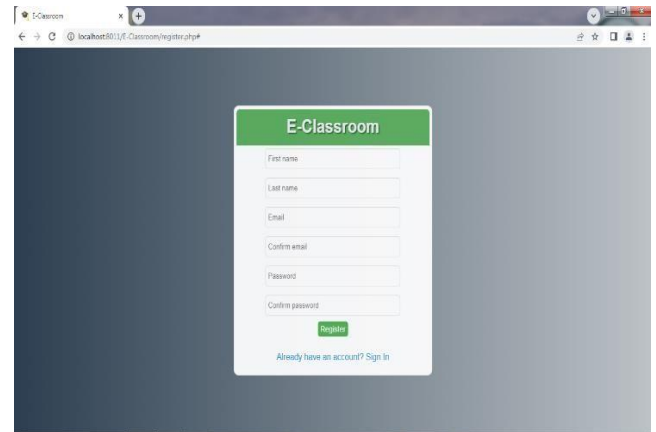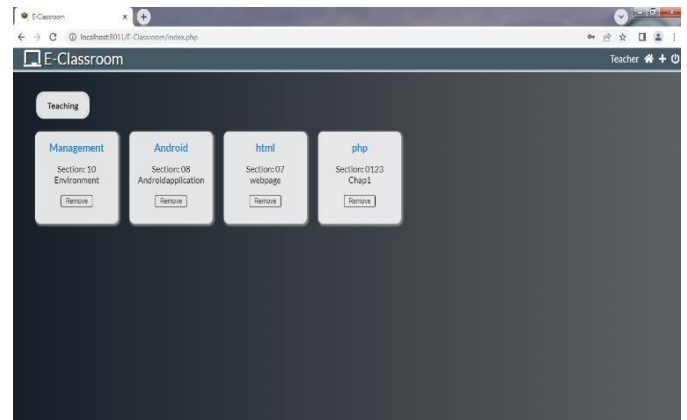

Fig 5.2 Registration

Fig 5.3 Home screen

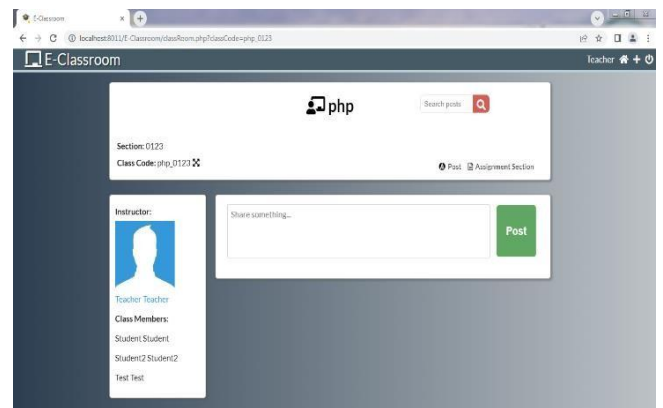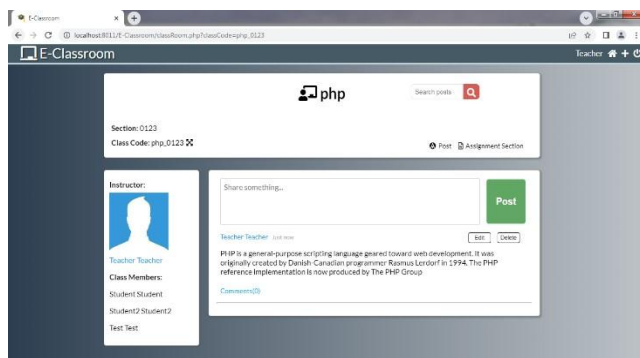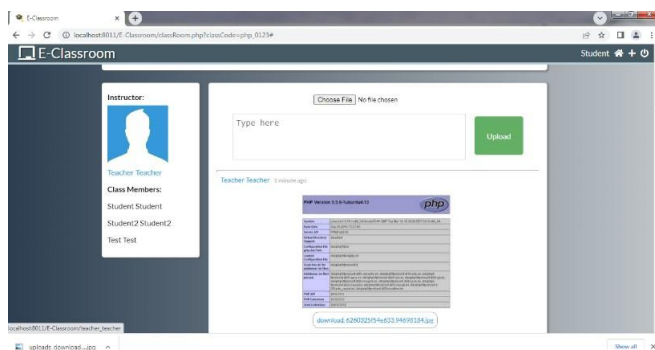**Fig 5.4 Classroom**

Fig 5.5 Upload page

Fig 5.6 Uploaded successfully {assignmentsection}

6.FUTURE SCOPE

The main purpose of education is to gain upward mobility. LMS has all future ready elements to call it a contemporary, versatile, customizable, and easy-to-use LMS. Every new feature, every bit of interface is designed to save your time and effort, making teaching and learning easier.

Any student can use this system easily and teachers can also be comfortable with using this system. It is beneficial for both student and teacher as it'll save their time, efforts, document records, etc.

In this system some more features like a pop up remainder, more advanced animations, QR code to scan for students to join the class, list of students registered for the class by their records, etc can be provided/implemented in future.

Indeed this system will be more and more expandable in upcoming years!

7. CONCLUSION

E-learning has mitigated various problems related with learning, such as time and cost problems that previously used to restrict learner's learning paths.

The students of the longer term or future will demand the learning support that is appropriate for their situation or Context. Nothing more, nothing less.

Technology is simply a tool in terms of getting the kids working together and motivating them, the teacher is the most important.

7. REFERENCES

[1] An E-classroom Management System Implementation: Contextualization, Perception, and Usability John Oliver P. Brioso https://www.sibresearch.org/uploads/3/4/0/9/3409 718 0/riber_6-s1_sp_s17-011_229-249.pdf

Far Eastern University, Manila, Philippines https://www.academia.edu/download/33064048/Kask us.us-The_Largest_Indonesian_Community_ The_ Effect_ of_Online_Sy stem_on_Consumer_Behavior_Intention.pdf

[2] Students' Perceptions and Continuous Intention to Use E-Learning Systems: The Case of Google Classroom.KwameAnsong-Gyimah International Journal of Emerging Technologies in Learning(iJET) 15 (11), 236-244, 2020 https://www.learntechlib.org/p/217097/

[3] The effectiveness of Google classroom as an instructional media: A case of state islamic institute of Kendari, Indonesia Nur Alim, Wa Linda, Fahmi Gunawan, Mohd Shamsuri Md Saad Humanities & Social Sciences Reviews 7 (2), 240-246, 2019 https://www.researchgate.net/profile/Fahmi-Alimin/publication/333916331_THE_EFFECTIVE NESS_OF_GOOGLE_CLASSROOM_AS_AN_INSTRUC TIONAL_MEDIA_A_CASE_OF_STATE_ISLAMIC_INS TITUTE_OF_KENDARI_INDONESIA/links/5d0c52 7aa6fdcc246297c906/THE-EFFECTIVENESS- OF-GOOGLE-CLASSROOM-AS-AN-INSTRUCTIONAL-MEDIA- A-CASE-OF-STATE-ISLAMIC-INSTITUTE-OF-KENDARI- INDONESIA.pdf

[4] The Use of Moodle e-learning Platform: A Study in a Portuguese UniversityAuthor links open overlay https://www.sciencedirect.com/science/arti cle/pii/S22120 17312004689

BIOGRAPHIES

Student- Ms. Mansi Baviskar, Dept. ofComputer Technology, B.V.J.N.I.O.T, Pune.

Student- Ms. Akanksha Bhosale**,**
Dept. ofComputer Technology,
B.V.J.N.I.O.T, Pune.

Student- Ms. Sanika Dhawale, Dept.
of   Computer   Technology,
B.V.J.N.I.O.T, Pune.

Student- Ms. Sanika Dhawale, Dept.
of Computer Technology,
B.V.J.N.I.O.T, Pune.

Lecturer – Mrs. Sheetal Sapate,
Dept. of Computer Technology,
B.V.J.N.I.O.T, Pune.