

Simple Cademy : Ane-Learing Student-Teacher Portal

Mr.AshishKumbhare^[1]

Assistant Professor
Computer Science and Engineering
Jhulelal Institute of Technology
Nagpur,India

Mr.AnujShaha^[2]

Computer Science and Engineering
Jhulelal Institute of Technology
Nagpur, India
Anujshaha07@gmail.com

Mr.AnuragWankhede^[3]

Computer Science and
Engineering
Jhulelal Institute of
Technology
Nagpur, India
ashrwankhede@gmail.com

Mr.AshutoshPatil^[4]

Computer Science and Engineering
Jhulelal Institute of Technology
Nagpur,India.
Ashutoshpatil777@gmail.com

Mr.AnuragWankhede^[5]

Computer Science and Engineering
Jhulelal Institute of Technology
Nagpur, India
Rahulpariyani005@gmail.com

Abstract

Now-a-days, the usage of E-learning platform for education has escalated to a whole new level. It has been overlooked that digital platforms can help students in studies as well as it can also reduce the workload of teachers. This paper presents Simple-Cademy, an online E-learning portal. In this application, Student can download the notes of different file formats and can upload the assignments, student/parent can chat with the teacher and vice-versa, Teacher can take the feedback form online. Moreover this web application also shows the news/events/information/notice to the students and teachers. It also contains a feature in which voting or election can be done for forums or school representatives.

Keywords: onl;ine college portal, UTAUT.

I. INTRODUCTION

In the age of technology, huge amount of knowledge, information and data is being produced now a days. Gaining the knowledge, learning new technology and sharing with the society by continuously sharing the experience and knowledge we have are no longer limited to the boundaries of a class room. Currently, the number of users who can access the Internet is increasing even in countries with poor economic performances. That has led to acceleration in producing and transforming information processes. This has led to the transformation in the technology in very less time period. This project is an online portal for the students, parents and faculty. “Simple-cademy” will be developed to override the problems prevailing in the practicing manual system .This system allows college faculty to share or upload important data, notes , video links related to their subjects and as well notify about the upcoming events in the college. This system provides a faculty login along with student login & parent login.

The faculty can easily upload the documents and links with the pc easily. The documents are uploaded by faculties of department to different corresponding departments. The purpose to build this system on an online server that allows faculty to upload data & students may view/search and download the required documents through their computer device or mobile application. Here students only see and

download data of their particular semester/year/class, Rest of data is hidden. Faculty may access and upload/edit documents to any semester/year/class or add any notice as their desire.

The web portal provides a gate way to access information as well as search, an analytical and communication centre for the target users. Most of previous research in student portal context focused on web usability, mainly from desktop and laptop computers [5]. On the other hand, many of universities already built a separate mobile-optimized design for their student portal. As costly as it could be, these mobile sites, when implemented without assessing user preference, could hold usability challenges. The system in college nowadays like entering marks , attendance ,calculating percentage , giving notices , event calendar , providing exam routine and providing notes/papers is done manually which consumes lots of time and man power.

The key features of the proposed application are as follows:

- 1) When the app will be launched for the first time it will ask to register/Sign up to the students and teachers which will be verified by the institute admin.
- 2) The Students can later access the respective features such as chat application with teacher, notice panel, voting panel, E-learning panel, etc.
- 3) The Teacher can access the respective features such as feedback system, Elearning panel, chat-application, etc

LITERATURE REVIEW

As time advanced, many intellectuals came across with the idea to create a platform which will be beneficial to the students by making them engage with the technology for the sole purpose of using technology for educational purpose. This gave rise to people implementing this, in their own unique ways, such can viewed to have a general implementation ideology, some such portals are listed below:

1. A study of web portal as a knowledge management system in school education: This focuses on the web portals and their vital role as a knowledge management system in the schools. Generally, the web portal provides a gate way to access information as well as search, an analytical and communication center for the target users. It is import and for the schools to have emphasis on knowledge sharing for supporting the students to access the required resources and information.[1]
2. The student portal performancecomparative study: Quality of student portal services provided for IIUM as well as GSM students have a significant impact on how students perceive their educational institution at large. Technical factors such as; type of service provided as well as managerial factors such as; reacting to feedback received from students are critical in shaping students' overall perceptions on their respective institution.[2]
3. Teachers' Readiness in Utilizing Educational Portal Resources in Teaching and Learning: In terms of expenditure, the Ministry has allocated a huge budget in developing the Eduwebtv online portal. Its aims are noble – bridging the digital gap and barriers in accessing quality educational content and resources for teachers and students, and the public in general.[3]
4. The Intention to Use Mobile Student Portal: A Mobile Human Computer Interaction Study in a University Context in Egypt:

This exploratory study investigates factors affecting the intention to use mobile student portal for university students. The study was conducted in a university context in Egypt. The study aims to provide practical mobile student portal design guidelines for educational entities, designers, and implementers, to enhance students' willingness to use.[4]

5. Web portals, instant messaging and web communities: The INFNGRID support website, is only an example of a powerful collaboration tool that can be easily implemented combining open source software, such as PHP-Nuke, Jabber and the always present mailing list.[6].

Via these above mentioned concepts of portals, it can be seen that these are the most commonly used techniques, when it comes to delivering effective and creative forms of portals, created with the sole purpose of making education system familiar and comfortable for students, whilst, they enjoy the use of technology.

II. PROPOSED SYSTEM

1. The portals and their usage research results show that these portals and platforms do have an assertive impact on the modern education and schooling of the students. Even when the portals were funded sufficiently the admin users tend to only use some percentage of the amazing piece of tool, which unfortunately leads to the stagnating usage of the full portal. Research shows that the versatility and expansiveness of the portal is an important factor that motivates both student and teacher to use a portal's full potential. Moreover, Web Portals are extended such that the management system of any institute is often integrated. Also, Before-mentioned portals are used to receive valuable student feedback. The Proposed system of the portal is:

- 1) Institute Management System can be added.
- 2) Student-teacher guidance is possible even outside of the class.
- 3) Automation of tedious processes.
- 4) Student Feedback is taken into account within the portal.
- 5) The staff can manage the academic session.
- 6) Document requirement request application of students .

III. IMPLEMENTATION

The Web Application will run on a private domain for each client. It does not require any special running services such as spark because an Angular project is finally compiled and built into standard Javascript which is simply executable.

The final Project and related files are mostly below 10 Megabyte and are stored on the internet server and not on the client device, therefore suitable to run on any device regardless of the device performance.

Following steps needs to be followed for opening and performing different operations:

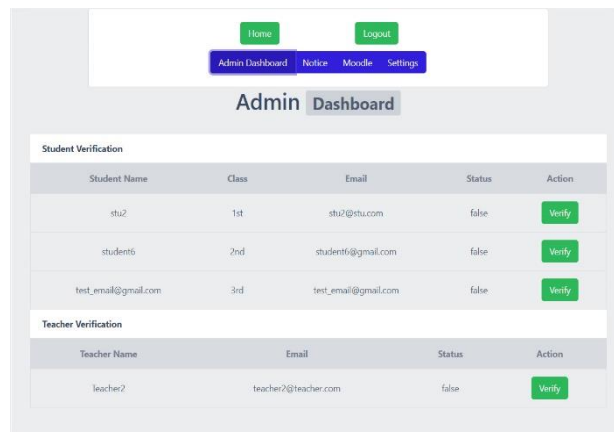
1. Open the SimpleCademy portal from the respective site Click on the “Enter Recipient” for entering the email address of the recipient through voice.
2. On opening, a simple home page with the current notifications for that particular educational institute will be displayed and more options will be available on the top navigation banner/header
3. Those student and teachers that haven't registered with the educational institutes simpleCademy have to first register and wait for admin approval for allowance to log-in there account.

4. Using the admin log-in credentials, admin will log-in their respective account and see the dashboard from where they can verify new and recently registered users.
5. Verified users can then log-in to their respective accounts and view their dashboards.
6. Students can see their dashboard from where they can access the different features of the web-app and see other available information.
7. Similarly, teachers can access their dashboard and then access the features and available information of the web-app. Teachers with admin rights can perform limited admin tasks.

IV. RESULT

The outcome of Simple Cademy portal is that it will let all the users to gain maximum information and ease of use. As it is a user friendly portal which will help students as well as their parents to get updates about their ward and progress report. As all the event's date will be planned those will get updated and notified to the user accordingly.

With the help of this system, student will get ample opportunities to explore the subject and learn it. This portal will reduce the burden of providing the notes to the students. It will help the administration panel to make it easy for providing documents easily and in minimum time.



The screenshot shows the Admin Dashboard with a navigation bar at the top containing links for Home, Logout, Admin Dashboard, Notice, Moodle, and Settings. The main content area is titled 'Admin Dashboard' and contains two tables for verification.

Student Verification				
Student Name	Class	Email	Status	Action
stu2	1st	stu2@stu.com	false	Verify
student6	2nd	student6@gmail.com	false	Verify
test_email@gmail.com	3rd	test_email@gmail.com	false	Verify

Teacher Verification			
Teacher Name	Email	Status	Action
teacher2	teacher2@teacher.com	false	Verify

Fig.: Admin Dashboard



The screenshot shows the Home Page with a navigation bar at the top containing links for Home, Logout, Admin Dashboard, Notice, Moodle, and Settings. The main content area is titled 'Welcome to Jhulelal Institute of Technology SimpleCademy' and contains three columns for different years, each with a notice card.

1st Year	2nd Year	3rd Year
WorkShop this week For Date:10/5/2020 Date of notice:5/5/2020	Industrial Visit @ TCS For Date:10/5/2020 Date of notice:5/5/2020	InterCollege Competition Winner For Date:15/5/2020 Date of notice:5/5/2020

Final Year

Fig.: Home Page

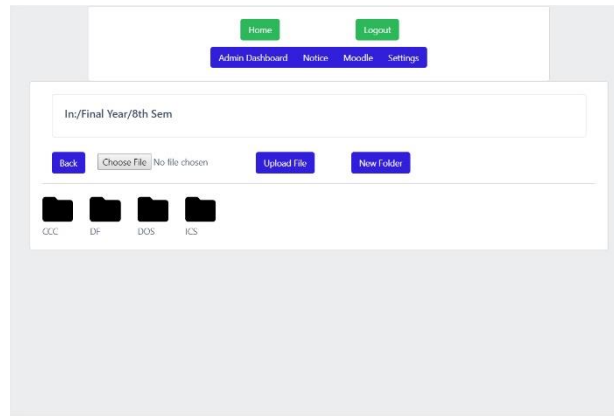


Fig.: Moodle Page

V. CONCLUSION

There are many web-apps, mobile apps and web portals which provides features like notification, student details, fee details, activity details etc. but they have certain limits. Also these applications are very useful but some features are missing which could be quite helpful for the students, parents as well as for the teachers and management level of the institution..

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REFERENCES

- [1] GhadaRefaat EL Said, “The intention to use mobile’s student portal – A Mobile – Human computer interaction study in a university context in Egypt”. Mobile Informations Systems, 2018. Vol.8, Issue
- [2] Rajkumar Shah, “Online college portal”. In IRJET, 2017. Vol 4, Issue.
- [3] Ashok Yakkaldevi, “A study of Web Portal Features as a knowledge management system in school education”. In International Online Multidisciplinary Journal, 2016. Vol. 5, Issue .
- [4] FerasQawasmeh, “The student portal performance-comparative study (GSMIUM)”. In International Journal of Scientific and Research Publications, 2014. Vol. 4.
- [5] R. Esposito, P. Mastroserio, G. Tortone, F. M. Taurino, “Web portals, instant messaging and web communities”. In CHEP 2003, La Jolla California, March 24-28 2003.