

AN OVERVIEW ON WEB PORTAL FOR THE STUDENT ORGANIZATION

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ABSTRACT

As the world is suffering from the pandemic situation, it becomes a necessity to use web-based solutions. A web portal is an effective way to solve the problem; by managing the organization in the easiest possible way. This paper is about the various methods by which we can create a website for the selected people. Generally, the website has two parts, one for the admin and another for the user. The coordination of both by which admin can help users is the success of the website.

1. Introduction

In this review paper, we will be discussing and reviewing the proposed techniques, procedures, and technologies that had been implemented by other web portals that are available on the internet. We'll also be looking over the unique ideology of every project that stands out from others and making it a successful one.

2. Discussion

The paper of the **Pce Student/Staff portal** was created by Ms. Manali R. Raut, Trupti P. Lokhande, Karishma D. Godbole, Shruti J. More, Sunena S. Hatmode, and Nikita D. Tibude respectively. The main objective of approaching this project was to maintain and store all the records of students by the institute and college in the easiest way possible. The student information included various details like student personal details, course details, alumni data, placement details, workshops attended by the students, etc. This portal consisted of a student login page where students can access the learning materials and any other kind of scholastic organized program, by entering the login credentials. They also had a faculty login where they gathered all the important information that will be needed in the portal. The modules included in this project were: a) Student Module b) Faculty Module c) Admin Module. Student Module is dedicated to the students where they can see the placements and alumni data and the papers that had been published by the faculty of the college. Faculty Module has the access to upload the papers and also viewing the papers that had been published by the students. Admin module is one of the most important modules that will allow the alumni students and the existing students to get connected with each other. They can be logged in by entering the required details mentioned on the portal and get access to posting queries and suggestions. Admin module will maintain all the records of data that will be received by the students in the backend of the database. The admin will also have the analytics and the data of the number of papers that have been published and uploaded over time. Workflow of the Pce Student/Staff portal first initiated with Student/Staff Portal, followed by the login credentials for the same. Then it gets divided into four different branches i.e. Placement Wing, Alumni Management, Paper Published, Attended Workshop named respectively. Admin can then process and upload the data workshops that are being attended, uploading the alumni data of the students, and also updating the training and placement details of the students. The technologies for designing the front-end of the portal were HTML, CSS, and PHP. While the back-end of the portal was maintained and managed by PHP and MYSQL for the database.

In the paper **The Student Portal Tutorial Project** by Carmen Austin, Huizhen Ren, Carline Rucker, and Dawn Sinnott they created a web portal in which student and teachers find a single place to interact with information to increase the effectiveness for both faculty as well as students engagement. Researchers think as the point of view of students to allow convenient way of interaction like faculty can inform specific group of students about cancelled classes and send some notification to students, they also added the feature like financial aid/fees status where part of admin control will be in hands of counter section of college where they would update the database and personalised students financial/fees status will be updated automatically, they also provided chat rooms where they can communicate with faculties or classmates and discussions communities for communication which targets specific groups of peoples which share common interest like different news or events updates for specific department in college. They divided the components of their project work into three sections: In first part they studied

about the working of web portal in which they mainly focused on the personalisation for students, there will be personal user id and password for each of the students by which they will get personalised visualisation of website and can get access to information related to only them. In second part of their project they were focusing on getting familiar to the interface of web portal on how it will work and trying to figuring out the different use case students might encounter while using website and also trying not to complicate the portal hence making portal simple and easy to use for students. In the third part they studied and collected information which will be included in the database of the website, these information may include dataset of financial status of each student, their personal information, or academic status. This information will be retrieve from the database on valid user id and password only. They added a functionalities like updating personal information of each student they focused mostly on student personal information. Also researcher focused on features like external links, tasks, and financial information but didn't focused on e-learning as student in the department shares common online resources on portal there should be way where they would get access to online books, notes and study materials by which student can download easily. They created different channels on portal which includes customized personal calendar, tasks and assignment assigned to students.

This paper is on “online student portal-A learning portal for every student”. In this project for implementation, they used HTML, CSS & JavaScript for frontend and PHP & MySQL in the backend. This portal has three modules first one is for admin, second one is for student and the third one is for the teacher. For accessing this portal all three modules are having their id and password. If the students or teachers want to buy books online then they can buy them online using an online book shop. If they want to buy it later then they can add this book to the cart whenever they want to buy they can buy. After purchasing, for payment they can use either cash on delivery or can pay by using the PAYPAL payment gateway. If the students have any queries about anything they can solve their doubts by using the discussions forum. But if any student wants to clear their doubts by discussing with the group of people then they can join the student communities and can clear their doubts. The best thing is that it provides the feature of online learning where the admin and teacher can add the courses which can be useful for the students to gain the knowledge about the new subjects. Other than that the if the students want to share any study materials publicly with all then they can add to this portal. If any student wants to share the updates like news and events which are held in the department or institute so they can share here. The system maintenance is handled by the admin only which includes checking the website issues regularly and maintain them properly to make the website more popular which increases the number of visitors to the website. This results to strengthen and search engine optimization and increases google ranking. The system setting is one module that can be handled by the admin only which contains the setting related to the website like access to location, microphone, camera etc. Another feature that can be made in this portal is multilingual support which allows the user to change the language according to their language. This also provides the backup and restore data from the website facility to the user.

The paper is “DEVELOPMENT OF AN E-LEARNING WEB PORTAL” by Azeta A. A. Oyelami M. O. Ayo C. K. Department of Computer and Information Sciences Covenant University, Ota Ogun State, NIGERIA. In this paper, they had discussed the importance of E-Learning in today's world of the 21st century. This paper centers the importance of open-source in the educational environment. The objective is to reduce the cost of learning, cost, reliability, performance, security, build long-term capacity, open philosophy, encourage innovations, the alternative to illegal copying, possibility of localization, and learning from source code. Some notable open-source software is Hypertext Preprocessor (PHP), MySQL, Apache, Linux. This project will help academic teachers to coordinate well, better education. The Elearning system is divided into two parts. The first one is to download the open-source software from the internet. And the second one is to adapt to the local environment. The Elearning system is going to build using PHP as the front end, Apache as middleware, and MySQL as backend. It has also the feature of communicating with the members of the Elearning community via chat room.

3. Parameter Comparison

Parameters	Paper1	Paper2	Paper3	Paper4
Study material	Yes	Yes	Yes	Yes
Chat Room	No	Yes	Yes	Yes
Notifications	No	Yes	Yes	No
Academic status	No	Yes	No	No
Payment system	No	No	Yes	No
Multilingual support	No	No	Yes	No

4. CONCLUSION

From the study of all the above papers, we concluded that there are many methods of running organizations online, like the Pce Student/Staff portal, The Student Portal Tutorial, the online student portal. This paper has shown us that how we can connect to the students online using different innovative features and help them for their academic purpose which will save their time and money.

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- [4] Azeta A. A., Oyelami M. O., Ayo C. K., Turkish Online Journal of Distance Education-TOJDE April 2008 ISSN 1302-6488 Volume: 9 Number: 2 Article 1 "DEVELOPMENT OF AN E-LEARNING WEB PORTAL: The Foss Approach "