

# Web Portal for The Student Organization

Guided by Prof. Jogi John<sup>1</sup>

Shubham Band<sup>2</sup>, Swapnil Meshram<sup>3</sup>, Piyush Kanherkar<sup>4</sup>, Stainly Shendre<sup>5</sup>, Vaibhav Gupta<sup>6</sup>

<sup>1,2,3,4,5,6</sup> Dept. of Computer Technology, Priyadarshini College Of Engineering, Nagpur, Maharashtra, India

**Abstract** - The world is facing the corona pandemic situation. This situation has affected many small and medium organizations. According to the guidelines, we can reduce the impact by just maintaining social distancing. So to overcome the problem, we have come up with the solution of the web portal for the **student organization**. The **web portal** will act as a medium between the committee members and the students from different levels. These will give all the necessary information in one place. In these pandemic situations, these could be a great way to maintain an organization. A **web portal** is a **web-based solution** that provides a single point of interaction to the various people involved in the organization. The portal can allow us to share the relevant with the relevant people only. The portal will improve the collaboration and the communication between the members.

**Key Words:** Web portal, student organization, web-based solution.

## 1. INTRODUCTION

A portal is something that will provide us access to multiple applications and help us to get to link various websites. Hence, a portal will be most important in finding scattered data in one place. Our basic aim towards this project is to provide students all the information about their events and curriculum of their department in a single place and they need not have to worry about finding out and searching it elsewhere. So, we came up with the idea of a 'Web Portal for Student' where students of the department will be aware of every event occurring on a departmental level and happily participate in it. This web portal will be completely authorized under the control of the admin. We will also be doing regular updates on the website according to the events going at that moment. We have also provided the study and reference materials of every subject so they won't be worried about their academics and excelling in it fruitfully. To get access to these materials, students must be logged in to our website so we can keep a record of student's profiles in our MySQL database. To become more interactive we have also added a gallery of images to view all the achievements that our department has received in technical/non-

technical events that had taken place throughout the past.

We have also added a semester timetable for all the semesters of our department students and a timetable of daily scheduled classes which will be updating frequently as per the sessions conducted. The student portal also allows you to witness a great visual implementation of our website to receive a great experience. If a user feels to provide and feedback and queries regarding our web portal they can directly contact through email given on the website, we will highly appreciate your concern. To implement the overall structure of our website we have used languages like HTML, CSS, and JavaScript as a front end to provide you a smooth and interactive experience of the website. While the backend is managed by PHP and MYSQL Database and the content of the website is provided using WordPress.

## Technology Used

### 1.HTML:

HyperText Markup Language (HTML) is used to create the most basic structure of our website. HTML was invented by Berners-Lee in 1990, but the standardized version was later introduced and published in 1995 named 'HTML 2.0'. HyperText in HTML refers to various links that help in connecting multiple web pages with each other. Whereas, Markup denotes the tags that we can use to display images, text, or any other type of documents in a web browser.

### 2.CSS

Cascading Style Sheets (CSS) is basically used to style the web pages written in HTML and makes them more presentable and structured. CSS was created by W3C (World Wide Web Consortium) also known as the CSS working group in Dec 1996. CSS is the most styled language used throughout the web development sector. One of the major advantages of CSS is that it makes the web pages quick and responsive and hence consumes less time.

### 3.Javascript:

JavaScript was released initially in 1995 on Netscape Navigator which was quite a popular web browser of that decade. JavaScript is an object-oriented open-source interpreted programming language that is supported by approximately every browser in existence.

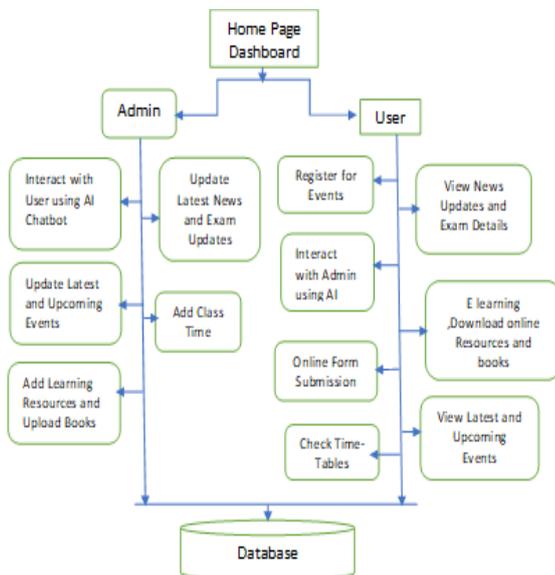
**4.PHP:**

Hypertext Preprocessor (PHP) is an open-source server-side scripting language that helps in creating dynamic web application content, tracking sessions, and making having an integration with the databases like MySQL, Oracle, Microsoft SQL Server, etc. PHP is a popular language due to its simplicity and flexibility of merging it into any web-based application.

**5.MySQL:**

MySQL is the most popular relational database management system which particularly relies on Structured Query Language (SQL) that manages records in a database. MySQL came into existence in 1995 by MYSQL lab from the developers of Oracle Corporation

**2.METHODOLOGY:**



Our methodology/workflow is mainly divided into two parts:

- 1) Admin Module
- 2) User Module

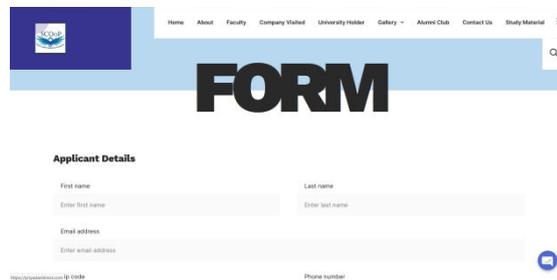
**1) Admin Module**

Admin module will have the whole power to control the complete web portal where they can access the portal through a particular user ID and

password. After logging in, the admin can edit, update, delete, modify, and change any kind of interface or information that they want. If a user sends some feedback or suggests any improvements or queries for the portal, the message can be directly sent to the admin to work on it. Also, the admin will be responsible for maintaining the web portal by updating the data over a regular period.

Things that Admin will be able to control:

- a) Event Registration: Admin will keep the portal updated to the latest events happening in the department be it technical, non-technical or any cultural admin will take the responsibility to clear all the events once they are done and dusted.



- b) Control over study material: The study material that students can access in the web portal will also be handled by the admin of the website. Admin will be uploading the necessary documents of study and reference materials of all the mentioned subjects in the portal, making easy access to download the documentation needed by the students/user.

- c) Maintaining gallery images: Admin can also maintain and check whether the images are uploaded and stored at the right place in the gallery. Any inappropriate or unnecessary images uploaded on the portal by a certain mistake or so can be removed and deleted immediately.



- d) Access to Database: Admin can also have accessibility to make changes in the data stored in the database. Data stored in the database can be

modified by the admin as per the requirement of the web portal. Admin needs to ensure that the database is being updated and refreshed over a particular time. Also, the admin needs to check any kind of unnecessary garbage data should be cleared immediately.

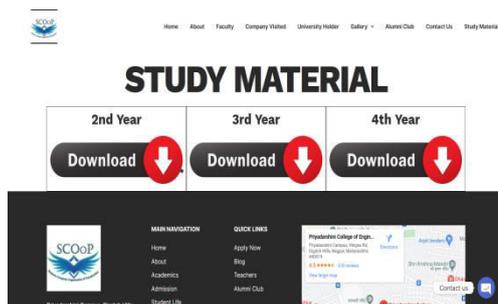
e) Interact with Students: Admin can communicate easily with students in real-time and solve their queries through live chat that's powered by Artificial Intelligence which will help the students' overall experience.

## 2) User Module:

The User/Student module will contain access to the whole website but they won't be able to make any changes to it. Only viewing permission will be granted to the user. However, users/students can always send their suggestions and queries regarding the web portal directly received by the web portal admin. Some of the key features that user can access:

a) Downloading the study/reference materials required: Students can access all the study material required for their semesters from this web portal. By logging in with an Email and password students will also be able to download the material required and can save it to their device.

b) Basic Tutorials: Students can also find some basic tutorials for their subjects that are quite important to their academics on the web portal to improve the basics of their respective subjects.



c) Semesters Questions Papers & Daily Scheduled classes: Students can also find their semester exams schedule along with previous questions papers that may come quite handy. Along with that, a list of daily scheduled classes can also be referred by students.

d) Events Notifications: Students can get notified of all the latest events (Technical, Non-Technical, Cultural Events, Sports, Workshops) happening in the department from the web portal. Also by subscribing to the website, users can receive all the alerts in their E-mail too.

e) Interact with Admin: We added an interface by which students can directly chat and ask their queries about anything related to the computer technology department to admin through online real-time chat.

## 3. CONCLUSION

We have discovered a very efficient and effective way of connecting people in the organization through a web portal. The website will be friendly to use and will provide a forum to interact. In this pandemic period, when people are losing connection, this will help us create an opportunity to make a strong network. These will help to solve the day-to-day problems of the organization by maintaining a continuous association.

## 4. ACKNOWLEDGMENT

We want to express our gratitude to our Head of Department, Dr.(Mrs.)N. M. Thakare for providing all the necessary information about the department and the college. We want to thank our group guide, Assistant Prof. Mr. Jogi John for believing in us and guiding us throughout the project. Our special thanks are to our expert Assistant Prof. Mr. C.R. Pote for constantly pushing our limits. We also want to thank the faculty members of our college for helping us in every possible way. At last, we want to thank our friends and family members for the help and support.

## 5. REFERENCES

1. Thulasi Krishna NP "Online Student Portal - A Learning Portal for Every Student" © 2016 IJEDR | Volume 4, Issue 3 | ISSN: 2321-9939 <https://www.ijedr.org>
2. Prof. Ms. Manali R. Raut, Trupti P. Lokhande, Karishma D. Godbole, Shruti J. More, Sunena S. Hatmode, Nikita D. Tibude "International Journal of Computer Science Trends and Technology (IJCTST) – Volume 7 Issue 1, Jan - Feb 2019 ISSN: 2347-8578 "PCE Staff/Student Portal" <http://www.ijcstjournal.org>
3. PRATIBHA S. YALAGI & CHAITRALI S. DANGARE "DESIGN OF AN ACADEMIC WEB PORTAL PROVIDING E-FACILITIES" ISSN 2249-6831 Vol. 3, Issue 1, Mar 2013, 85-90 <https://www.researchgate.net/publications/228410513>
4. HAFRICA "Design and Development of an Academic Portal" Copyright Saur 2003 Libri ISSN 0024-2667 <https://www.researchgate.net/publications/228410513>
5. PHP and MySQL for Dynamic Web Sites: Visual Quick Pro Guide 4th Edition by Larry Ullman (Author)

6. PHP and MySQL Web Development 4th Edition  
by [Luke Welling](#) (Author), [Laura Thomson](#) (Author)

7. Dinesh Hasabe\* Nikhil Mane Rahul Sanap Abhilash  
Gursale” Web Portal for providing various services”  
ISSN: 2349-2163 <https://www.ijirae.com>

8. Dinesh Hasabe\* Nikhil Mane Rahul Sanap Abhilash  
Gursale” Web Portal for providing various services”  
ISSN: 2349-2163 <https://www.ijirae.com>