Chapter five: Internship research project

1   Identification of a problem that really exists

The problem described in the code is the difficulty and time-consuming process of placing the notice board daily to convey the necessary information to the required faculties and students. This results in most of the faculties and students remaining unaware of the seminars, training and placement information, sports activities, upcoming events, results, and other necessary details. The solution proposed is to implement a digital notice board platform that leverages modern technology to overcome the limitations of traditional notice boards and provide timely and accurate information to the stakeholders.

2   Causes of the problem

The causes of the problem with the traditional notice board system are:

- Time-consuming: Placing notices on a physical notice board every day can be a time-consuming process for the administration.

- Inefficient: The traditional notice board system may not be efficient enough to convey necessary information to all the faculties and students, especially in large educational institutions.

- Limited access: Not all students and faculties may have access to the notice board, especially if they are not physically present on campus.

- Limited space: The physical notice board has limited space, and hence it may not be possible to display all the necessary information.

- Difficulty in updating: Updating information on the physical notice board can be a cumbersome task, and sometimes the updates may not happen on time.

- Information overload: With multiple notices posted on the physical notice board, it can be difficult for students and faculties to find the information they need.

- Lack of interactivity: The traditional notice board system is static, and hence there is no scope for interaction between the administration and the students/faculties.

- Unreliable: Physical notice boards are prone to damage, theft, and other issues, which may make it difficult for students and faculties to access the information they need.

3 Effects and impacts of the problem to the enterprise

The use of traditional notice boards in an academic institution like HND University of Bamenda can have several effects and impacts:

- Inefficiency: Traditional notice boards are often not updated regularly, and notices can get lost or become outdated, leading to confusion and inefficiency.

- Inaccuracy: Notices on traditional notice boards can be inaccurate or incomplete, leading to misinformation and misunderstandings among students and faculty.

- Time-consuming: Managing a traditional notice board can be time-consuming for the staff, who have to print and post notices manually. This can be especially challenging when there are many notices to be posted at once.

- Limited reach: Traditional notice boards have a limited reach and may not be easily accessible to all students and faculty, especially those who are not on campus regularly.

- Lack of interactivity: Traditional notice boards are static and do not allow for interactive engagement or feedback from students and faculty. This can limit their effectiveness in conveying information and engaging the community.

Overall, the use of traditional notice boards can have a negative impact on the efficiency, accuracy, and accessibility of information at HND University of Bamenda. To address these issues, a digital notice board platform that is updated in real-time and accessible from anywhere can be more effective in conveying information and engaging the community.

4   Proposed solution to solve the problem

Here are some possible solutions to address the problem of the traditional notice board system:

➔ Digital Notice Board System: The university can invest in a digital notice board system that is easy to update and access by faculty and students. This system can display important notices, events, schedules, results, and other relevant information in a dynamic and interactive way.

➔ Mobile App: The university can develop a mobile app that can be downloaded by faculty and students. The app can be used to push important notifications, updates, and reminders to the users. The app can also be used to access information on schedules, events, results, and other relevant information.

➔ Email Alerts: The university can set up an email alert system that sends out important notices, updates, and reminders to faculty and students. This system can be integrated with the university's database to ensure that the emails are sent to the correct recipients.

➔ Social Media: The university can use social media platforms such as Facebook, Twitter, and Instagram to disseminate information to faculty and students. These platforms can be used to post updates, reminders, and other relevant information.

➔ Bulletin Boards: The university can also set up bulletin boards in strategic locations on campus. These bulletin boards can be used to post important notices, updates, and reminders. The boards can be updated regularly to ensure that the information is current.

➔ SMS Alerts: The university can also set up an SMS alert system that sends out important notices, updates, and reminders to faculty and students via text message. This system can be integrated with the university's database to ensure that the messages are sent to the correct recipients.

➔ Centralized Platform: The university can also create a centralized platform that brings together all the different communication channels. This platform can be used to post updates, reminders,

and other relevant information. It can also be used to send out notifications via email, SMS, and mobile app.

Overall, the solution should aim to provide a reliable, accessible, and up-to-date system that makes it easy for faculty and students to access important information. It should also be user-friendly and cost-effective.

5 Implementation of the topic (related to the problem raised)

1 Topic

Digital Notice Board Platform: Implement a digital notice board platform that can be accessed by students, faculty, and staff via their mobile devices or desktop computers. The platform should be user-friendly and allow for easy and quick updates of information.

2 Objectives

a General objectives

- ➢ To improve communication and dissemination of information between the faculty and students of HND University of Bamenda.
- ➢ To reduce the time and effort required to post and access information on campus.
- ➢ To increase awareness and participation in campus events and activities.
- ➢ To create a more connected and engaged campus community.
- ➢ To enhance the overall student experience at HND University of Bamenda.

b Specific objectives

●
- ➢ To design and develop a user-friendly digital platform that can be accessed by all students and faculties.
- ➢ To ensure that the digital platform is compatible with various devices such as computers and smartphones.
- ➢ To integrate the digital platform with the official website and student/faculty handbooks of HND University of Bamenda.

- ➢ To provide training and support to faculty and students on how to use the digital platform effectively.
- ➢ To regularly update and maintain the digital platform to ensure that all information is accurate and up-to-date.
- ➢ To gather feedback from faculty and students on the usability and effectiveness of the digital platform and use this feedback to make improvements.

3 Methodology used

- ➔ Plan and design the website layout: Before starting the implementation, I design the layout of the website This was done using wireframes or mockups, which can help in visualizing the design and functionality of the platform.

- ➔ Create a HTML file with the necessary tags and structure: Once the layout is finalized, the next step was to create a HTML file with the necessary tags and structure. This includes adding the header, navigation bar, content section, and footer.

- ➔ Add CSS styling to the HTML file: After creating the HTML file, the next step was to add CSS styling to the HTML elements. This was   done using internal or external style sheets. It is important to ensure that the styling is consistent across all the pages of the website..

- ➔ Test the website on different devices and browsers: Once the implementation was complete,   I test the website on different devices and browsers to ensure that it is responsive and compatible. This can help in identifying any issues or bugs that need to be fixed.

- ➔ Deploy the website:After testing, the final step is to deploy the website on a web server or hosting platform.

4 Materials used

- • The platform was built using HTML and CSS, and was implemented using Visual Studio Code, a popular code editor. The platform is accessible through a computer or a smartphone and features a user-friendly interface.

5   Results and Discussion

- By creating a centralized digital platform, faculties and students can easily access all the necessary information such as announcements, schedules, results, and other important details. This can save time, increase accessibility, and improve communication between the faculties and students. Additionally, a user-friendly platform with features such as push notifications, alerts, and reminders can ensure that users do not miss any important information.

Chapter six: Conclusion

In conclusion, the implementation of a centralized digital platform for disseminating information is a convenient and efficient way of ensuring that all the faculties and students are aware of the various activities and events happening in the educational institution. Through the use of HTML and CSS, a user-friendly website can be created to post all the necessary information such as announcements, schedules, results, and other important details.

This platform can save time, increase accessibility, and improve communication between the faculties and students. The benefits of a centralized digital platform for a university or educational institution cannot be overemphasized, as it has the potential to positively impact the academic performance and overall experience of the students and faculties.

Therefore, it is recommended that educational institutions adopt the use of centralized digital platforms for disseminating information and ensure that they are regularly updated and promoted to all the relevant stakeholders.

Reference

- Youtube
- Wikipedia
- www.w3school.com