



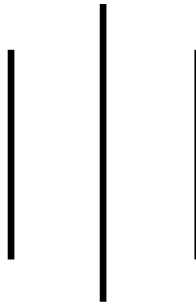
LA GRANDEE INTERNATIONAL COLLEGE

Simalchaur, Pokhara Nepal

A Project Proposal

On

“Mero School”



Submitted to:

Bachelor of Computer Application (BCA) Program

In partial fulfilment of the requirements for the degree of BCA under

Pokhara University

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DECLARATION FOR

“Mero School”

STUDENT’S DECLARATION

We hereby declare that we are the only authors of this work and that no sources other than the mentioned here have been used in this. We assure you that the work we present here is unique to ourselves and resemblances to another similar project are purely coincidental.

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1. INTRODUCTION

Mero School is a web-based school management system that aims to enhance the management of schools and colleges. The Mero School system will be powerful and flexible solutions that can be customize to meet the specific needs of individual schools. The system will be web-based, which means that it can be access from anywhere and on any device with an internet connection. This will makes it easy for teachers, students, and parents to access information and communicate with each other.

The education system plays a critical role in shaping the future of individuals and society as a whole. However, managing schools and colleges can be a challenging task, especially with increasing student enrollments and administrative tasks. So, in order to address this issue we are developing this project.

The purpose behind selecting this project was to address the challenges faced by schools and colleges in managing student and administrative data. Our research revealed that most schools and colleges still rely on manual systems, which are time-consuming, error-prone, and can lead to data loss. This is where Mero School comes in, providing a comprehensive solution to automate routine tasks and improve operational efficiency. The implementation of Mero School is essential in the current educational environment, where schools and colleges are facing increasing pressure to improve the quality of education and administrative efficiency. Going digital is the best method as it allows for greater accuracy, efficiency, and accessibility. By implementing Mero School, educational institutions can streamline their administrative tasks, enhance communication, and focus more on the core aspects of education.

2. OBJECTIVES

- To develop a Notice or Announcement Feature that enables school administrators to post important updates, announcements, and events on the website for students and parents to access easily.
- To implement a Talk with Teacher Feature that allows students to communicate with their teachers online to ask questions, seek clarifications, and discuss academic concerns in real-time.
- To create a complete dynamic web-based school management system.

3. LITERATURE REVIEW

The advent of the internet has brought about significant changes in the field of education. One such change is the use of web-based school management systems. These systems are designed to streamline and automate various school processes such as student registration, attendance tracking, grade reporting, and communication between teachers and parents.

Numerous studies have investigated the benefits and challenges of implementing school management systems. In a study by Daramola et al. (2019), it was found that the use of web-based school management systems can improve the efficiency of school operations, enhance communication between stakeholders, and provide better access to information. Another study by Jahan et al. (2018) found that school management systems can also improve student performance and reduce workload for teachers.

However, the implementation of school management systems also presents some challenges. These challenges include the need for technical expertise, the cost of implementation and maintenance, and resistance to change among stakeholders (Daramola et al., 2019). Additionally, some studies have pointed out the potential for data security and privacy issues in the use of web-based systems (Jahan et al., 2018).

4. PROBLEM STATEMENT

In today's digital age, schools face a variety of challenges in managing their administrative and academic processes. The traditional manual systems used in many schools are outdated and often fail to meet the needs of students, teachers, and administrative staff. These systems are characterized by data redundancies, paperwork, and unorganized tasks, resulting in a lack of efficiency and productivity. To address these issues, we are developing Mero School, a web-based school management system that aims to streamline administrative and academic processes, making them more efficient and effective.

We identified common problems faced by the users interacting with existing systems, including inflexibility, storage issues, and outdated systems. These problems can result in inefficient administrative and academic processes, leading to a negative impact on the quality of education and overall student experience.

Mero School aims to solve these problems by providing a flexible, web-based system that can be accessed from anywhere with an internet connection. The system will eliminate data redundancies, reduce paperwork, and provide an organized and centralized approach to school management.

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5. METHODOLOGY

The Spiral model will be used for the development of the Mero School web based school management system. The spiral model will be chosen for the development of Mero School due to its iterative and flexible nature, which allows for constant feedback and adaptation to changing requirements. This model also emphasizes risk management, which is important for a school management system that handles sensitive information and requires reliable performance.

The Spiral Model is a risk-driven approach to software development for identifying and mitigating risks throughout the development process. It can be useful for the development of Mero School website by helping to ensure that the website is delivered on time and within budget, and meets the needs of its users. The Spiral Model involves planning, risk analysis, prototype development, evaluation, development, deployment, and maintenance.

6. DATA FLOW DIAGRAM

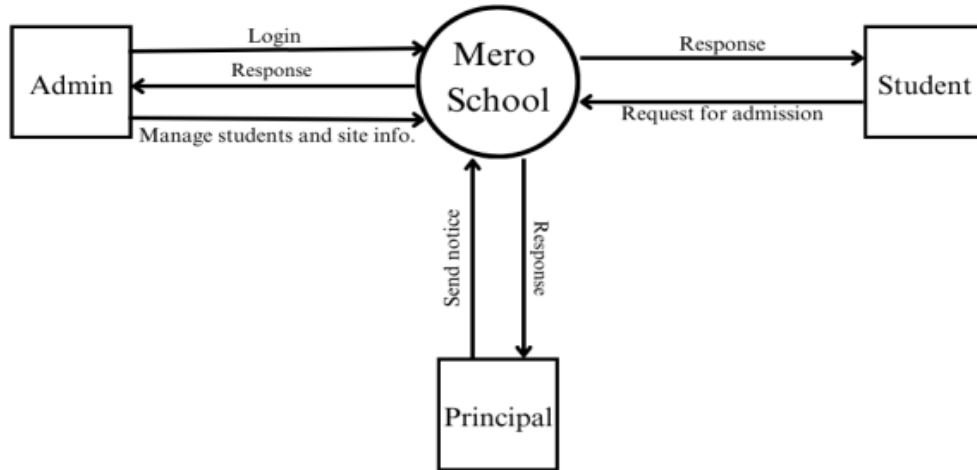


Fig 1: Context Level DFD for Mero School

7. PROJECT GANTT CHART/ TIMELINE CHART

Gantt Chart



Fig 2: Gantt Chart for Mero School

8. DELIVERABLES:

- A comprehensive school management website will provide a feature that allows the school administrators to post notices and announcements to students and teachers. This feature will provide an efficient way to communicate important information such as upcoming events, changes in schedules, or other relevant news.
- A feature that enables students to communicate with their teachers when they face problems or have questions related to their studies. This feature will provide an easy way for students to clarify their doubts and get guidance from their teachers..
- Mero School PHP web-based school management system will be designed as a complete dynamic web-based system. In contrast, a dynamic site allows changes to be made easily through a dashboard without coding.

9. CONCLUSION

Our project focuses on developing an automated school management system that streamlines various activities that take place in schools. The main purpose of "Mero School" is to address administrative problems by making our site completely dynamic. The scope of school management systems is extensive and includes ensuring the efficiency of the institution, securing benefits for the school through practical measures, clarifying the function of the school, coordinating the educational program, and enabling sound educational planning. It also provides for good direction, efficient and systematic execution, close collaboration, and a sense of shared responsibility. The system plays multiple functions, including bringing efficiency, guiding pupils to receive the right direction from the right teachers, promoting coordination within the student-teacher-parent society, providing well-defined policies and programs, and fostering a favorable teaching-learning environment that supports the growth and development of human beings. It makes use of appropriate materials and ensures the effective development of human qualities through the execution of programs, arrangement of activities, and the attainment of objectives.

10. REFERENCES

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