

MCHS STUDENT MANAGEMENT INFORMATION SYSTEM

REQUEST FOR SYSTEM TESTING

www.portal.mchs.mw

PRESENTED BY: ICT OFFICE

Developed by: MCHS – ICT

INTRODUCTION

The **Malawi College of Health Sciences (MCHS)** has long been operating without a fully computerized system for managing student records and various other academic processes. Currently, records such as **biographical information, student grades, timetables, announcements, examination numbers, and management reports** (including intake summaries, student distribution per class/campus, and more) are manually handled, leading to inefficiencies and the risk of errors.

To address these challenges and streamline the management of student information, the **Student Management Information System (SMIS)** has been developed by the **MCHS ICT Department**. The system aims to provide a centralized platform for managing and processing academic and administrative data efficiently and securely.

The key functionalities of the system will include:

- **Student Information Management:** Storing and retrieving student bio-data, students registration and enrollment details.
- **Grade Management:** Recording and managing student grades and academic performance.
- **Timetable Scheduling:** Organizing and displaying class schedules and exam timetables for both students and lecturers.
- **Announcements and Notifications:** Distributing important announcements and notifications to students and staff.
- **Examination Management:** Issuing examination numbers and managing exam-related processes.
- **Management Reporting:** Generating reports such as intake summaries, class lists, class grades per subject, class grades of all subjects and other administrative data.
- **Fees Management:** Currently the features empower accounts personnel to activate only students who have paid enough fees to see their system generated examination number in their system accounts.

The introduction of this system is expected to drastically improve the efficiency, accuracy, and security of student data management at MCHS, making the college's operations smoother and more effective.

Testing Phase

Now that the system is developed, it's crucial to conduct thorough testing to ensure that it meets the functional and non-functional requirements. This testing will aim to verify:

1. **Data Accuracy:** Ensuring student data is correctly stored, retrieved, and updated.
2. **System Performance:** Testing the system's speed and responsiveness under various loads.
3. **Security:** Verifying that sensitive student data is securely stored and accessible only by authorized personnel.
4. **Usability:** Ensuring the system is user-friendly and accessible to both staff and students.
5. **Error Handling:** Ensuring the system gracefully handles any input errors or system faults.

Testing will be done in boardroom but the testing data will be for all the campuses to validate that the system meets the requirements of the campuses.

Regards

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