Mount Kenya University

SCHOOL OF PURE AND APPLIED SCIENCES

DEPARTMENT OF INFORMATION TECHNOLOGY

Examination Results Analysis System

Case Study

Of

Musingu High School

By

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ABSTRACT

This project was geared towards developing an Examination Results Analysis System that could run on a network. Musingu High School has been used as a case study in the project. The system has five modules of which three of them are accessed through a log in interface .The system uses the details supplied on the log in interface to authenticate the users in order to access their accounts using the user name and password. The system has four types of users namely; coordinator, teacher, secretary and student.

The coordinator has an account that provides an interface with various functions namely change log in details for all subject teachers, change log in details for the coordinator, change log in details for the secretary, set exam and CAT range and add or remove streams of classes from the system. This system user is the most powerful, that is has control over the whole system.

The teachers have their account that provides these functions; input marks for various students, view class performance, generate terminal reports for student results, view and change subject grading, view registered students, view performance index for various subjects, search results for a single student and generate results analysis bar graphs.

The secretary module provides three functions, namely registering new students to the system, viewing registered students and deregistering a student from the system. The student module does not require the students to log in. The student page provides these functions to students; view performance for the whole stream, view individual performance per term and view personal details.

Finally, the help module is attached to the earlier four modules in which every module has its own help with each having a different content from another. That is; they guide their respective users on how to manoeuver through their functions.