ROSEMARY KHAYENDI

SCCJ/01098/2018

BTECH. COMMUNICATIONS AND COMPUTER NETWORKS

TUSOME E-learning Management System

**Project description and background**

The learning management system has been integrated with the Kenyan education system in recent years and has since become a norm for any student joining any college in the country.

The learning management system is a web-based platform that is utilized to orchestrate, implement, and access categorical learning programs. It entails instructors who create and distribute content, monitor and grade students' performance, evaluate and access students' progress, and students get a platform to access their documents, join video conferences, and track their performance while receiving genuine-time feedback from their instructors

The learning management system is important in education because it provides many benefits to school administration, such as continuously monitoring teaching and learning systems and detailed analytics and reports that help track students' academic progress. Management can also keep track of the lessons that the teachers complete without constantly asking for updates. Tusome Learning Management System provides digital content that reflects the school's efficiency through secure sign-ins so that only school staff can access the information.

Teachers can benefit from LMS because it allows them to plan lessons, share notes, and quickly answer questions using the digital content support feature. They can use LMS software to supplement students' learning experiences with a variety of content formats.

**Problem statement**

Tusome school is a newly established school that has a gradual increase in student population, which has led to a constraint on the school facilities.

Students also coming from different parts of the country have to relocate and find accommodation which can be stressful. The implementation of the learning management system will help the students access learning resources remotely while ensuring the school facilities are equally distributed. The learning management system will also ensure less constraint on the students while providing them with flexibility.

**Objectives**

* To deliver course content via a web interface that caters to remote educational experiences for both students and instructors
* to provide the ability to upload and manage documents containing curriculum content
* to establish methods for assessments and testing for students.

**Target customers**

* Students will be able to connect with other students for student discussion, get in touch with teachers for real-time feedback
* Instructors will have it easier to track attendance and progress
* School administrators will be able to monitor both instructor and student engagement

**Project scope**

Project deliverables

* The project will be divided into two sections. the instructors' and the students' sides
* Students will be able to log in, access their courses, and read and download their assignments on the client side.
* Instructors can log in using their registered credentials. uploading and downloading documents, keeping track of student records, and assigning grades

Project constraints

* Time constraints depending on the number of project phases
* Few devices to test on the app
* It will only be accessible on smartphones
* The learning management system will only be accessed via the internet

**Application features and description**

* Both students and instructors will be required to log in with their official credentials
* Students will get notifications and messages on new assignments
* A homepage on students’ accounts which contains the dashboard, courses, and grades
* A homepage for the instructor to keep track of submitted assignments, upload and download documents
* The students will be able to upload and download documents on the system

**High-level requirements**

**Deliverables**

**Affected parties**

**Affected business systems**