System Requirements   
Specification

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For

SCHOOL ATTENDANCE DATA SYSTEM

1. Introduction   
1.1 Brief history

The school attendance data base system for students at **UNIVERSITY INSTITUTE SIANTOU** uses a manual system for verifying access into the institute and obtaining attendance details of both students and teachers. This process is done by human authorities who occupy a higher level of power at the institute.it is done by simply reading off info from the documents of its students (receipts), only then is the student granted access into the institute. However, this manual system is very time consuming and expensive.

1.2 Purpose

The computerized school attendance data base system allows for Students to be able to scan in with a physical card or digital ID And if they have the qualification details necessary, they are granted access into the institute. the attendance will be automatically record by the system. Teachers have instant visibility into their classes’ attendance for easy oversight during the school day. They will be able to see attendance being recorded in real time as students scan into class or teachers can record attendance themselves. Administrators can view live attendance activity for all classrooms from their dashboard, more so a student will not be able to access a course they did not register for.

Administrators can also view historical student attendance data for any class or student, for any period of time. With the computerized system identifying and addressing truancy issues is simple.

**2** PRODUCT FEATURES

The data system consists two main parts -- a central database management system for the uploading, storage, and management of students’ data, and a client application to allow users (administrators or teacher’s) access and interact with the data.

2.1 Database Management System

The standardized data structure will facilitate database development, storage, and maintenance; metadata development, storage, and maintenance; and support database functionality, including tabular and spatial data queries, evaluation, visualization, and transfer

2.2 Hardware requirements

* Data Storage
* Networking
* Scanners: for reading matricula ID of student’s card

2.3 Software requirements

* Backup Software
* Web Browsers and Browser Plug-ins
* Email Services– As a secondary delivery protocol for alerts, data, and other information from the system, email server applications will be required to support system functionality.
* A student registration data base: containing all students information