

E-School – School Management System

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Abstract

E-School (SMS) an application developed on open-source platforms. E-School maintain a better level of security which makes it successful than other developed application. The aim of E-School is to facilitated schools management problems. Therefore, the hardware requirement for every school are very limited and affordable. This system is a web-based application, which can be accessible from different geo graphic location from any smart devices and computers. E-School considered all standards of application development, which enables easy adoption for any environment.

Based on the requirement of Ministry of Education and official published rules, this system maintain to have different access level for teachers, head master, finance manager, and parent of students. E-School equipped with features that makes it possible to generate schedules, reports, attendance records, grade checks, report cards, transcripts, and financial reports if necessary. Additionally, this system enable students to active participate in assignment, forum, mail and tests.

Concurrency

Introduction

In recent years, the management of schools have changed by using technology.

Problem and significance

Based on our need assessment and research, we have found the schools suffer from a lack of E-Management. In our research we have evaluated different schools with consideration of MoE laws and regulation, we found the following problems.

- Result sheets (Student result paper, Final summary exam result of overall students and so on)
- Changing students from one school to another school
- Course Management
- Result of attendance
- Report to MoE

Here, the teacher does not properly handle their workload, and sometimes the courses are not offered on time. The number of students who must study the course is not followed. The main problem is to managing the teachers work and courses scheduling. Also, in the school the student cannot know the marks that the student get it on the exam, but when the student goes to school and also, the teacher cannot be assured that the student has a sign seen by the parent and guardian also cannot, to know his son's performance in school, but he must go to school and ask for it.

Achievements

- The most significant carrying out of our project activity is time efficiency and improve users knowledge skills.
- Fortunately, our project has successfully implemented almost at 27 schools.
- Offer exact and fast result on time.
- Remove paper based system
- Connecting successfully 27 schools on one dashboard online.
- Synchronization and data transfer between schools and ministry of education.

Expected outcome

x

Proposed Activities

- For implementation of project, it needs one week for each school.

WBS NUMBER	TASK TITLE	PCT OF TASK COMPLETE
1	Project Initiation	
1.1	Site Survey	10%
1.2	Feasibility Study	10%
2	Project Design	
2.1	Design of local hardware	10%
3		
3.1	Hardware Installation	20%
3.2	Software Installation	20%
3.3	Testing	20%
4	Training	
4.1	Public Awareness	5%
4.2	Technical Training	5%

Approach and Methodology

How we implement it

Goal and Objectives

Risk Assessment

Possible solutions

Financial Proposal

Hardware Requirement

NO	Item	Unit Cost	Quantity	Total
	Server			
	Switch			
	Firewall			

Training of Staffs

NO	Item	Unit Cost	Quantity	Total
	Network LAN Preparation and Optimization			
	Hardware installation			
	Service Configuration and Availability			
	Training of Teachers			
	Training of Head Master			
	Training of Financial Manager			
	Student Trainings			

Sustainability and Maintenance

NO	Item	Unit Cost	Quantity	Total
	Support and maintenance			
	Version			

Evaluation and Monitoring

Appendix

