

**Sri Lanka Institute of Advanced Technological  
Education  
(SLIATE)**

**Project Proposal  
S.Mathusika  
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**Title  
Student Results Management System**

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## **1. Introduction**

The main objective of developing this project is to automate student result management. This application will greatly simplify and speed up the result preparation and management process. A Project report on Student management system. class, exam result. This is a computerized examinations results management system for student's examination records.

The main aim of the project is to provide the examination result to the student in a simple and accurate way. The application will manage the information about various students enrolled in this School in different years, the marks obtained by the various students in various subjects in different terms. The manual method of students' academic result processing was found to be tedious, especially when carried out for a large number of students, this makes the entire process time-consuming and error prone. Student management system to generate the above results. This project is useful for students and institutions for getting the results in simple manner.

The software will also generate summary report regarding student information, term wise marks list and performance reports. The whole result analyzer will be under the control of the administrator and the admin as the full privileges to read, write and execute the result. The system presents a single platform that will be used to manage the processing of all examination records within the institution. admin gives the privileges to the Teacher and students to access the result.

## 2. Background and Motivation

I selected the BT/KK/Santhively Sithy Vinayagar Vidyalayam from the eastern part of the Batticaloa district. Santhively is located under the Koralaipattu South District Secretariat. Santhively Sithy Vinayagar Vidyalayam is directly supervised by Kalkudah Education Zone. This is one of the School under the provincial government. Santhively is a naturally beautiful place and this school is located in the center of the village. The School was established in 1985 by the Education minister of Srilanka that time. In the earlier stage the school have small number of students and only three staffs. But now the school was fully developed. Currently Mr.M.Sivasuntharam administrate the school as a principal and Mr.T.Tamilvaanan helps him as a Deputy Principal for the school administration. There are about seventy teachers works in this school and about 1500 students are studying. There are ten nonacademic staffs help to maintain school neat and clean and assist in administration. There are students from grade one to G.C.E Advanced level. In the G.C.E Advanced level Santhively Sithy Vinayagar Vidyalayam has Bio stream, Commerce stream and Arts streams.

The School has a Science lab, Library, three floor buildings and two floor buildings. The school help to produce many graduates from this area. The school has so many social activity students' groups such as Scouts, St. Johns Ambulance and Cadets. Santhively Sithy Vinayagar Vidyalayam also have a School Development Society and Old Students Association. This school got so many donations from parents, wellwishers, old students, government and Non-Government Organizations.

So, this School want maintain so many files of records. Still they use traditional file system though they face so many problems. From this project the school can solve the Student results management this is a major difficult task for school management staffs.

Following are the specific objectives of this project

- Provide up to date and accurate information's
- Provide a detailed report to the main administrator
- Maintain a easy access from any member of the system
- Reduce un necessary time and loss of data

### 3. Problem in Brief

Here the existing system is manual to keep the record of the Students results details in the school. People still prefer to follow the manual method even if there is automated system to keep the record. We have found that they record all information in a file. They are using this way to keep the record of Students details, Teachers details and account details etc. Following this method is very time consuming. It has many drawbacks as there may be mistakes while recording large data and this may disrupt the important transaction. They faced a problem while they Searching for a student marks detail.

Other problems of the existing system are:

- Searching a particular detail is difficult
  - There are over 1500 students in this school. So, admin search a particular person's details is not easy it may take a long period to identify the correct data.
- Fast report generation is not possible
  - This current system keeps in manually by the M.A of the school. So, Students or Teachers get a particular result reports are difficult.
- Lack of security
  - Manual or file system can less secure than computerized system. Sometimes the traditional system can damage by any issues.
- Access time
  - The manual system takes long time process, compare with computerized system.

So, in this project we are trying to make a School Management System which will help School administration to keep records in systematic way and help them produce reports about detail they need at the time in automatic way.

## **4. Aims and objectives**

### **4.1 Aims**

Aim of our project is develop a student result management system for identify the problems in the current student result management system process with the use of it solutions.

### **4.2 Objectives**

- Students should stay up to date with their results.
- Teachers can track and monitor student's performance.
- Teachers can generate variety of reports based on student's marks.
- School admin can manage teachers and students.
- School admin can track and monitor student marks.
- School admin generate report of students results.
- Manage Subjects.
- Manage Teachers.
- Generate students' results sheets.
- Manage Students.

## **5. Proposed Solution**

The proposed solution of the manual student results management system is to develop a computerized results management system. Before developing the proposed system, there is need to identify;

- a) The design of the proposed system
- b) The main users of the student management system
- c) The activities of the main users.

### **5.1 The Design**

The proposed system will be designed using PHP MY admin as the front end and MYSQL as the back end (the database used to store the Teachers details, Student details)

### **5.2 The main users**

The main users of the proposed system are the Teachers, Students and Admin

### **5.3 Their activities**

The activities of the main users of the proposed system are listed in below

- Activities of Students
  - Create an account
  - View their results
  - Download report of results

□ Activities of a Teacher

- View the list of students
- Add/Update/Delete marks for the term
- Generate Report of all results
- Update profile

□ Activities of a Teacher

- Add/Update term results
- Add/Update/Delete Subjects and Marks
- Create/Approve/Disapprove teacher / Student account
- View results of each students
- Download the results report
- Update records

## **6. Resource Requirements**

The proposed system will be developing using PHP MY Admin.

### **6.1 Hardware Requirements**

- PC or Laptop with Minimum Core 2 Duo Processor.
- Minimum 1Gb space in Hard Disk.
- Minimum 1Gb Ram

### **6.2 Software Requirements**

- Operation System: Windows 7 or Above
- Language: PHP
- IDE: PHP MY Admin
- DBMS: SQL



## 7. References

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