

**SYNOPSIS ON: Student Management System**

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INTRODUCTION

Student Management System is software which is helpful for students as well as the school authorities. In the current system all the activities are done manually. It is very time consuming and costly. Our Student Management System deals with the various activities related to the students.

There are mainly 3 modules in this software

* User module
* Student Module
* Mark management

In the Software we can register as a user and user has of two types, student and administrator. Administrator has the power to add new user and can edit and delete a user. A student can register as user and can add edit and delete his profile. The administrator can add edit and delete marks for the student. All the users can see the marks.

EXISTING SYSTEM

System Analysis is a detailed study of the various operations performed by a system and their relationships within and outside of the system. Here the key question is- what all problems exist in the present system? What must be done to solve the problem? Analysis begins when a user or manager begins a study of the program using existing system.

During analysis, data collected on the various files, decision points and transactions handled by the present system. The commonly used tools in the system are Data Flow Diagram, interviews, etc. Training, experience and common sense are required for collection of relevant information needed to develop the system. The success of the system depends largely on how clearly the problem is defined, thoroughly investigated and properly carried out through the choice of solution. A good analysis model should provide not only the mechanisms of problem understanding but also the frame work of the solution. Thus it should be studied thoroughly by collecting data about the system. Then the proposed system should be analyzed thoroughly in accordance with the needs.

System analysis can be categorized into four parts.

* System planning and initial investigation
* Information Gathering
* Applying analysis tools for structured analysis
* Feasibility study
* Cost/ Benefit analysis.

In the current system we need to keep a number of records related to the student and want to enter the details of the student and the marks manually. In this system only the teacher or the school authority views the mark of the student and they want to enter the details of the student. This is time consuming and has much cost.

USE OF THE PROJECT

In our proposed system we have the provision for adding the details of the students by themselves. So the overhead of the school authorities and the teachers is become less. Another advantage of the system is that it is very easy to edit the details of the student and delete a student when it found unnecessary. The marks of the student are added in the database and so students can also view the marks whenever they want.

Our proposed system has several advantages

1. User friendly interface
2. Fast access to database
3. Less error
4. More Storage Capacity
5. Search facility
6. Look and Feel Environment
7. Quick transaction

All the manual difficulties in managing the student details in a school or college have been rectified by implementing computerization.

Feasibility of Project

Whatever we think need not be feasible .It is wise to think about the feasibility of any problem we undertake. Feasibility is the study of impact, which happens in the organization by the development of a system. The impact can be either positive or negative. When the positives nominate the negatives, then the system is considered feasible. Here the feasibility study can be performed in two ways such as technical feasibility and Economical Feasibility.

**Technical Feasibility:**

We can strongly says that it is technically feasible, since there will not be much difficulty in getting required resources for the development and maintaining the system as well. All the resources needed for the development of the software as well as the maintenance of the same is available in the organization here we are utilizing the resources which are available already.

**Economical Feasibility**

Development of this application is highly economically feasible .The organization needed not spend much money for the development of t he system already available. The only thing is to be done is making an environment for the development with an effective supervision. I f we are doing so , we can attain the maximum usability of the corresponding resources .Even after the development , the organization will not be in condition to invest more in t he organization .There fore , the system is economically feasible.

FUNCTIONAL SPECIFICATION

* **Login Page**
  + The page where the system users will submit their system credentials to access the student grades records. This feature will help to restrict the data of the system.
* **Home Page**
  + The page where the system users will be redirected by default after logging into the system.
* **School Year Page**
  + This page can be navigated under maintenance navigation at the side panel of the admin user. This page is where the academic school year is listed and managed only by the system admin users.
* **Grade List Page**
  + This page can navigate also under maintenance navigation. This is the page where the list of grade levels are shown and managed.
* **Student List**
  + The page where all the students of the school are listed and managed. This is under master list navigation.
* **Subjects List**
  + The page where all the subjects are listed and managed.
* **Curriculum List**
  + **​​​​​​​**The page where all the school curriculums or programs are listed and manage.
* **Academic Record**
  + **​​​​​​​**The page where the system users manage student grades.
* **Promote Candidates**
  + **​​​​​​​**The page where can system users update the student status if the student will be promoted or classified to move up for the next academic school year.
* **Candidate List**
  + **​​​​​​​**The list of students who are entitled as promoted from their grade level of the current academic year.
* **Form 137 Report**
  + **​​​​​​​T**he printable record of the student’s grades for his/her secondary school year.
* **Student List Report**
  + **​​​​​​​**The printable list of promoted or retained students on the selected school year.
* **Candidates Report**
  + **​​​​​​​**The printable list of students who are promoted on the default school year.
* **User Page**
  + **​​​​​​​**The page where can system admin user manages the list of the student record system users.

**Software Specification:**

* Technology Implemented : Web Development
* Language Used : HTML, Php, CSS, Bootstrap, and JavaScript
* Database : MySQL
* User Interface Design : Graphical User Interface
* Web Browser : Chrome, Microsoft Edge

**Hardware Requirements:**

* Processor : Pentium III 630MHz
* Operating System : Windows
* RAM : 128 MB
* Hardware Devices : Laptop
* Hard disk : 20 GB
* Display : 15” Color monitor

FUTURE SCOPE

Computer technology is used to provide facilities to user to perform their jobs quickly and accurately. That is why computer is used in most organizations to maximize the efficiency and performance of the organization. The objectives of the latest technology are to speed up the system, to reduce the errors and to develop error free inputs, as invalid inputs are the main cause of computer mistakes and a computer never makes mistakes of its own.

SMS is intended to help the any institute that wants to store their students and management records into the computer. Our software is specially designed for an educational institute FG public school.

Our SMS software will fulfil all the requirement of FG public school. It will store all the personal and academic information of the students. It will also store the fee information of the students. Management will get information of any student who studied/studying in this institute till now easily. This software will also help the management to store their employee€™s information including their personal information and salary information. Payroll system is very important of any organization .so this software will also handle the pay roll system of this institute. If will also store the results of the students.