

School Management Information Systems

SIMS

- ◉ The definition of SIMS is School Information Management System.
- ◉ It is the most widely used in UK schools.
- ◉ Developers of this system is Capita Group.
- ◉ Initial Release is 1984.

History

- ◉ SIMS was the first MIS for schools. It was initially developed by Philip Neal, a teacher at Lea Manor High School, from 1982 to 1983. Bedfordshire County Council then further developed the product, which began being used by other schools in 1984.
- ◉ In 1988, a commercial company, SIMS Ltd, was founded to further develop SIMS.
- ◉ SIMS Ltd was acquired by Capita Group in 1994.

INTRODUCTION

The School Management System is a business Optimization of school or Educational Institute and its Processes



SCOPE OF WORK

Project will cover usually all areas related to an Educational Institution especially School.

- *Registration of Students*
- *Information / Inquiry / Counseling*
- *Course / Syllabus*
- *Time Table of Classes (Period wise) Management*
- *Library Management*
- *Inventory System*
- *Transport Management*
- *Fees Management*
- *Student Attendance System*
- *Student Information Management*
- *Student Transfer / promotion*
- *System Management*
- *Chat / Communication Module*
- *Human Resource Management System*
- *Certificates Awarded*
- *Financial Accounting*
- *Assets Management*
- *Canteen*



Registration of students



College Fair Association

Your College Fair or Open House Student Registration

Sunday, January 30 - Monday, January 31 2011

Your Venue
Philadelphia, PA

First Name *

Last Name *

Home Address 1 *

Home Address 2 *

City *, State *, Zip *

 ,

Home Phone *

E-mail *

Gender *

Birth Date *

 Month Day Year

Ethnicity *

Citizenship *

Academic Interest / Intended Major(s) *

Select up to 3 areas of interest

Extracurricular Activities

Freshman or Transfer *

Starting Term *

High School Name *

High School City *

H.S. Graduation Year

SAT/ACT scores

* Leave blank if not taken

* Denotes Required Information

Submit

Add Parent or Guardian

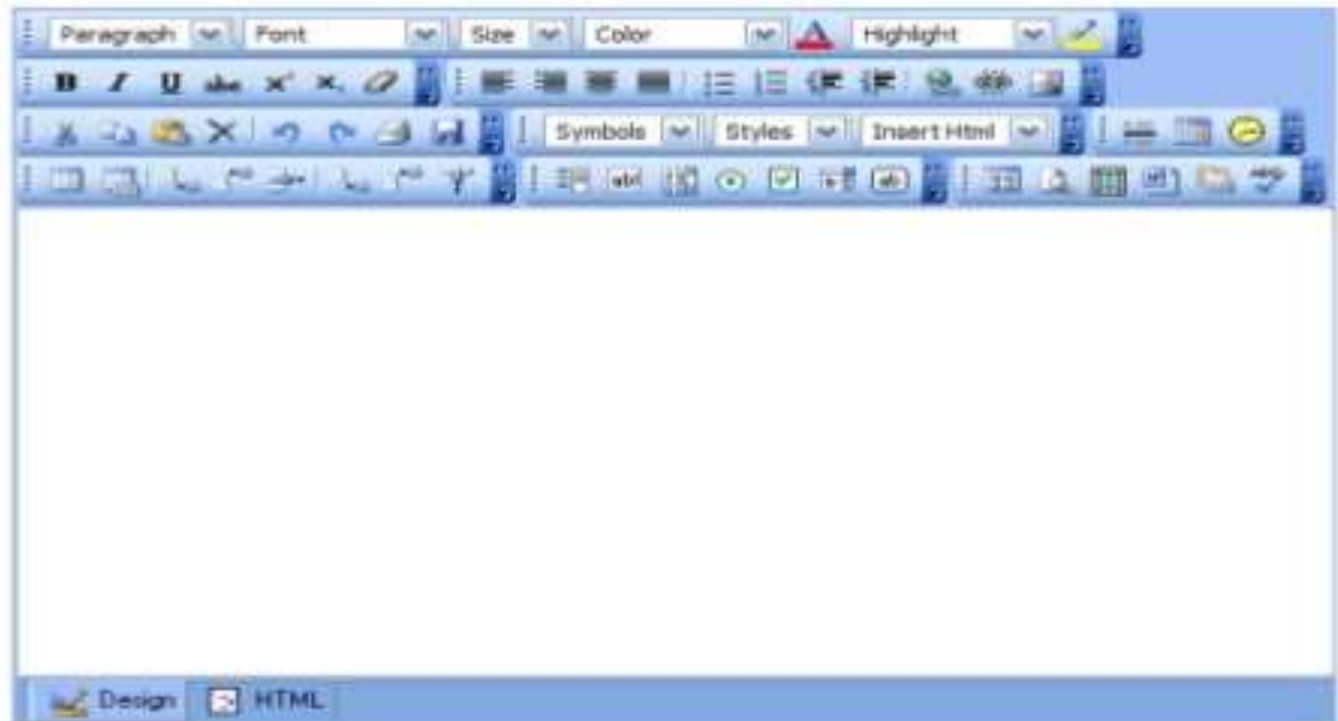
Information / Inquiry / Counseling / Course / Syllabus

- *The module covered the Information part regarding Institution – its Profile, Contact details, History, Facilities provided with images.*
- *This module will cover the reports to display Previous Years results course wise. Reports can be view Rank wise.*
- *This module will also cover to display all Information related to Courses and its Syllabus.*
- *Admin Part will be provided to Add and Manipulate any information related to College Information, Contact Details, Add and Manipulate Courses offered, Add and manipulate Syllabus of courses and Add and manipulate fees Structure of all courses individually. Admin Module to add results of different courses will be provided.*



Content Management System



- *Main Page layout Text and all pages related to Module Information / Inquiry / Counseling / Course / Syllabus are fully customizable. Following Tool is provided to Modify Text / HTML.*



Library Management

This exhaustive Module will be for fully optimization of all Processes related to Library and its Management part. This module covers all features but limited to following features in System:

- *Book issue and return*
- *Library Search Engine*
- *Book Stock*
- *Purchase of books*
- *Catalogue*
- *This module has also sub modules which will work on following sections.*
 - Author
 - Category
 - Publisher Information
 - Magazine Information
 - Newspaper Information
 - Compact Disk Information
 - Fine Setting
- *Information of students/teachers/any Employee with Books issued, Books earlier issued to them, their limits, Dues, fine, fine discounts if any will be added.*

| | | |
|---|--|--|
|  Add / Edit |  Reports |  Utilities |
|---|--|--|

- Readers Master File
- Book Categories
- Books**
- Issuance & Back
- Exit

Books Information [Min] [Max] [Close]

Book # : [SAVE] [REFRESH] [DELETE] [EXIT]

Book Title :

Category :

Edition Information :

Author :

Publisher :

Printing Date : **Storage Hint :**

Purchasing Date :

Purchase Price :

Status : Available Lost Sold Damaged

| Sections | Topics |
|---|--|
| <input type="text"/> Add Remove <div style="border: 1px solid gray; padding: 2px;">Section</div> | <input type="text"/> Add Remove <div style="border: 1px solid gray; padding: 2px;">Topics</div> |
| <input type="text"/> | <input type="text"/> |
| <input type="text"/> | <input type="text"/> |
| <input type="text"/> | <input type="text"/> |
| <input type="text"/> | <input type="text"/> |
| <input type="text"/> | <input type="text"/> |
| <input type="text"/> | <input type="text"/> |

Inventory System

This Module will be used to manage Inventory. It will manage, mostly, all inventory related to Institute:

- *Related to any Module / Area Developed in Project.*
- *Any Inventory related to direct involvement of school or institute using the system.*
- *It will be integrated with Library module also.*



Transport Management

- *This Module is optimization of all processes related to transportation.*
It will manage
- *Student's data enrolled for using of Transport service of Institute, student's fees collected,*
- *Students dues OR students enrolled date and valid dates.*
- *Facility to provide Transport pass with printing option can be included in this module and also in Student Management.*
- *Admin part of Add and manipulate Transport Vehicle, Add and manipulate transport charges, view students using Transport Services, their dues and Enrolled or expired dates. All information related to profile of students will be available here..*



Fees Management

- *This Module is Business optimization of Process of Fees.*
- *It includes Different reports of Fee collections includes but not limited to Total Fees collection, Fee collection Course wise, Fee Collection Pending, Project fee collection, refundable fees, Fixed fees, Security Deposits of students, Mode of collection of fees, student deposit details, Summary reports.*

SCHOOL FEES

A decorative graphic consisting of four horizontal bars of different colors: a green bar, a yellow bar, a red bar, and a blue bar.

Fee Payment

I Class A

22-07-2009

JAN

Edit Amount Fine

Paid By

Details

Print

Show DUE Amount

Total :1300 Paid :0 Balance : 1300

Pay Amount Paid Amount

Drag a column here to group by this colu...

| St... | STNa... | Type | Amount |
|-------|-----------|--------|--------|
| 10 | Prince... | JAN | 300 |
| 10 | Prince... | FEB | 400 |
| 10 | Prince... | MAR | 400 |
| 10 | Prince... | APRIL | 200 |
| 10 | Prince... | BUSFEE | 200 |

Drag a column here to group by this column.

| Stud_ID | Adm... | Stud_Name | Father_Name | MobileNumber | Course | Section | DOB |
|---------|--------|--------------------|-------------|--------------|---------|---------|--------|
| 2 | | Gowtham | | | I Class | A | 06-... |
| 3 | | Hema Sundhar | | | I Class | A | |
| 4 | | Karthika. P | | | I Class | A | 06-... |
| 5 | | L.S.S.M.S.Abhis... | | | I Class | A | 06-... |
| 6 | | Lokesh. A | | | I Class | A | |
| 7 | | Naresh Kumar... | | | I Class | A | |
| 8 | | Pavan Kalyan. M | | | I Class | A | |
| 9 | | Prem Kumar. V. I | | | I Class | A | |
| 10 | | Prince Babu. N | | | I Class | A | 06-... |
| 11 | | Radha | | 1234567 | I Class | A | 06-... |
| 12 | | Raja Kiran. R | | | I Class | A | 06-... |
| 13 | | Lakshmi .T | | | I Class | A | 06-... |
| 14 | 1432 | Sai Siri | Gopi | | I Class | A | 06-... |
| 15 | | Prathusha | | | I Class | A | 06-... |
| 16 | | Sathwik. K | | | I Class | A | 06-... |
| 17 | | Siva Sai Bhuvan... | | | I Class | A | 06-... |
| 18 | | Sri Venkat | | | I Class | A | |
| 19 | | Srujan | | | I Class | A | |
| 20 | | Syam Sumanth... | | | I Class | A | |
| 21 | | Venkata Karthi... | | | I Class | A | |
| 22 | | Venkateswara... | | | I Class | A | |
| 23 | | Amruth. Sk | | | I Class | A | |
| 24 | | Asha Jyothi | | | I Class | A | |
| 25 | | Achriha. A | | | I Class | A | |

Student Attendance System

- *This module is used to maintain the students Attendance.*
- *Screens will be given for Teachers to mark the attendance of their class students in their login area.*
- *Reports for teachers and admin to view the attendance report class wise and student wise will be given with summary of Attendance Class wise and Subject wise will be presented.*



Student Transfer / promotion


This module contains information and capabilities for transferring students from one class to another, as well as promoting students to the next grade. Student in their areas can view this transfer or promotions.



- OpenERP**
- Academic Year
 - Years
 - Months
 - Attendance
 - Monthly Attendance
 - Monthly Attendance Report
 - Daily Attendance Sheet
 - Fees
 - Fees Receipt
 - Fees Structure
 - Payroll Register
 - Fees Head
 - Student
 - Students
 - Faculty
 - Faculty**
 - Admission
 - Admission
 - Time Table
 - Period
 - Time Table
 - Generate Time Table
 - Generate Time Table Report
 - General
 - Placement Offer
 - Health
 - Student Hall Tickets
 - Admission Analysis
- Powered by **OpenERP**

Faculty / Natasha

[Edit](#) [Create](#) [Miss](#) 2 / 2 



Miss Natasha Ewan Cooper

Basic Information

| | | | | | |
|---------------|--------|--------------|-----------|---------------|------------|
| Gender | Female | Phone | 123456789 | Mobile | 9876543211 |
| Email | | | | | |

| Personal Information | Time Table | Library Detail | Subjects Detail | Health Detail |
|--------------------------|----------------|--------------------|-------------------------------|---------------|
| Birth Date | 03/01/2013 | Blood Group | Arve | |
| Library Card | L123 | Nationality | Afghanistan, Islamic State of | |
| PAN Card | pan1234 | Language | English | |
| Bank Acc Number | 13242343534983 | Religion | Christian | |
| Emergency Contact | Administrator | Category | Open | |

Visa Info

| Name | Zip | City | Country | Phone | Email |
|-------|--------|--------|----------------|------------|---------------|
| James | 123123 | London | American Samoa | 1234567890 | abc@gmail.com |

This record is for maintaining faculty information like – Personal information , Timetable, Library details , Subject details , Health details .

Certificates Awarded

This module contains the list of certificates based on the type of course. It will provide the list of Certificates awarded with dates to students.

Note: *Making of Certificates with Predefined format is not included in the scope. It is considered that information about awarding the certificates will be entered by concerned role to the system*



Financial Accounting

This module will provide the reports related to financial transactions

| | Fiscal Year 2008 (12 months) | Fiscal Year 2009 (12 months) | Fiscal Quarter of Fiscal Year 2010 (3 months) |
|--------------------------------------|---|---|--|
| Gross Profit % | 53.5% | 57.7% | 44.8% |
| Gross Profit % (Industry Average) | 10% | 10% | 10% |
| Accounts Receivable | \$ 0 | \$ 693,773 | \$2,461,098 |
| Net Sales Revenue | \$1,240,524 | \$4,845,347 | \$5,395,754 |
| General Expenses | \$ 306,016 | \$ 1,125,541 | \$ 622,811 |
| Cash | \$ 30,300 | \$ 87,014 | \$ 9,907 |
| Total Assets | \$ 178,036 | \$5,045,671 | \$8,200,091 |

Canteen

- *This module is optimization of all Processes related to Canteen work. It will covers the areas of - Issue of food coupons to students, consumption of coupons. on-coupon receipts.*
- *Screen will be provided for issuing the Coupon code to student – coupon code numbers and their values will be added from the system. At Consumption level the coupon code number and its price value will be entered only. Non coupon entries can be made in system for Receipts. Student can view their Coupons in their login area.*
- *Admin area will be provided to enter Coupon code Numbers and their price values. Reports will be added for admin to view total Coupons added, consumed coupons, Total non-coupon receipts, all receipts.*





Test Case



| Test No. | Description | Test Data | Expected Result | Actual Result |
|----------|--|--------------------------------------|--|---------------|
| 1. | Clicking the login Button With invalid username or Password or both. | Username= " ABC" Password= "ABC" | A message box should display which contains invalid Username and password. | Pass |
| 2. | Clicking the login Button Valid username and password. | Username="admin" Password="admin" | Redirect to specific Home page to specific user. | Pass |

Benefits



- Effective communication between teachers, parents and students
- Complete automation of all operations
- Centrally stored information with zero redundancy
- Frequent interaction with teachers
- Reliable update on child's attendance, progress report and fee payment.
- Tracking of homework assigned by teacher to their child
- Prior information about school events and holidays
- Automated student attendance
- Computerized management of marks and grades
- Homework assignment to students and approval
- Enhanced interaction with teachers, parents
- Online submission of homework
- Access to attendance, timetable, marks, grades and examination schedule
- Prior information about school events and holidays

Benefits



Advantages

- Multiple campus management.
- Effective communication between teachers, parents and students
- Creation of school's tech savvy image
- Complete automation of all operations
- Centrally stored information with zero redundancy
- Best possible **resource optimisation**
- **Auto-generation of timetables** with dynamic substitute management
- Availability of microscopic as well as macroscopic views
- Cost-effective one point solution for total school management

Disadvantages

- ◉ Some time system may corrupted by fault.
- ◉ The facility was not available in all school.
- ◉ For this maintains every one need computer knowledge.

Thank
You