

# EduSwift

## School Management System



## ABOUT EduSwift

Education system outlines the backbone of every nation. Technology can play a very crucial role in streamlining the whole system of education. Exploring the technological approach to education, streamlining education process and spiraling acquaintance amongst students, staff, parents and management becomes essential for today's fast growing educational environment.

Today's schools need to manage more information than ever before. Without a solid internal infrastructure for teachers, administrators and departments to share data, critical school and student information can be lost, or worse — communicated incorrectly — leading to a host of problems that can affect your school's image and endurance. To remain competitive, school needs a simple solution that can run individual functions, connect their entire operation, use the web as a key communication tool and simplify day-to-day operational responsibilities, giving staff more time with students.

EduSwift automates various scheduling activities of a school and optimizes the use of premium resources. Concerned authorities can now easily and seamlessly use the system to create timetables, otherwise a time consuming and tedious task.

The solution, an open source system providing Web based interface, has been especially designed considering the challenges schools come across. Some of these challenges are low cost of ownership, mediocre IT infrastructure, skill set level requirements, resource optimization, parent-student-teacher community interaction, security, and stability. Emphasis has been given on easy-to-use interfaces. The menu-driven screens have detailed explanations and offer several options. The users need not be programmers or database experts to benefit from this system.

In addition to automating creation of timetables, a school can use the application to computerize various other activities such as the examinations process, grading system, fee payment, student attendance, library usage, and news and event management. The application also provides Web based interaction facility to parents, teachers, and students

## SYSTEM OVERVIEW



Administrator



Teacher



Student

Master Data

Timetable

Substitute Management

Student Record

Teacher Profile

Parent Record

Fees

Attendance

Exam

Library

Remarks

Resource Management

Community Tools

Reports



Librarian



Parent

## SYSTEM OVERVIEW

### SCHOOL MANAGEMENT

- ▶ Multiple Campus Management
- ▶ Shift Management
- ▶ Courses, Subjects, Classes Management
- ▶ Rules and Policies
- ▶ Synchronization with internet and intranet servers

### RECORDS MANAGEMENT

- ▶ Student Record Management
- ▶ Teacher Profile Management
- ▶ Supporting and Administrative staff Management
- ▶ Parent Record Management
- ▶ Resources Management (Rooms, Laboratory, Playground, Common Halls etc.,)

### TIMETABLE & RESOURCE OPTIMIZATION

- ▶ Timetable Generation
- ▶ Resource Optimization
- ▶ Substitute Management

### LIBRARY MANAGEMENT

- ▶ Library Management

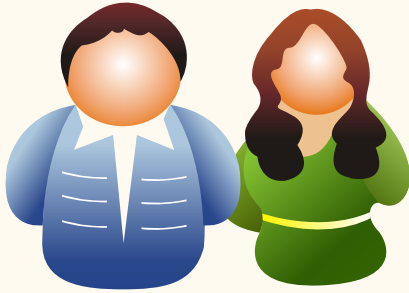
### OPERATIONAL MANAGEMENT

- ▶ Fees Management
- ▶ Exams Management
- ▶ Attendance Management
- ▶ Remarks Management

### INTERACTION & COMMUNICATION

- ▶ Student, Teacher and Parent community console
- ▶ Polls
- ▶ Internal Mail System
- ▶ News
- ▶ Photo gallery
- ▶ Events & Holidays
- ▶ Forums
- ▶ Notice board

## SMS FOR PARENT



Parent

- ▶ Get latest updates about school through Image Gallery, News etc...
- ▶ Share knowledge and views with other parents and school through various features like Article and Forums
- ▶ Get connected with schools effectively and easily
- ▶ Interact with teachers through internal messaging system
- ▶ Know status about your child through attendance, marks, fees etc...

## SMS FOR MANAGEMENT



Management

- ▶ Single points school Management software
- ▶ Manage multiple campuses
- ▶ Enable internet front-end for the school
- ▶ Connect with Parents and other stakeholders effectively
- ▶ Build & Manage community of parents, teachers and students
- ▶ Manage all administrative records with zero redundancy
- ▶ Achieve best possible resource optimization
- ▶ Automate all operational functions like Fees, Attendance, Exam Management
- ▶ Automatic generation and regeneration of timetable with dynamic substitute management

## SMS FOR STUDENT



**Student**

- ▶ **Real time exposure for better learning**
- ▶ **Publish article to share knowledge, experience & views**
- ▶ **Participate in Forums**
- ▶ **View online marks and timetable for exams**
- ▶ **Interaction with other students, teachers and parents**
- ▶ **Access Library Transaction**
- ▶ **View own attendance**
- ▶ **View Timetable in advance**
- ▶ **View current events and holidays at school**

## SMS FOR TEACHER



**Teacher**

- ▶ **Complete attendance automation**
- ▶ **Complete marks / grade management**
- ▶ **Publish articles for others**
- ▶ **Interact with parents efficiently and effectively**
- ▶ **View analytical reports**
- ▶ **Email & Internal messaging system**
- ▶ **Participate in Forum and share knowledge with others**
- ▶ **View own attendance**
- ▶ **View Timetable in advance**

## TECHNOLOGY



**Scalability**

**Scalability is highly important for any systems. EduSwift is capable of growing with the school, both in terms of slow managed growth and sudden change. EduSwift has been designed from the beginning to scale from a single server machine running all the components up to a system involving clustered components and distributed access from a worldwide basis.**



**Reliability**

**Scalability also requires reliability. EduSwift is capable of dealing gracefully with errors, not stopping at the first sign of trouble. Additionally, it is easy to separately monitor the presence and performance of each component of the system, in order that support staff can identify and deal with any errors or overload that does occur.**



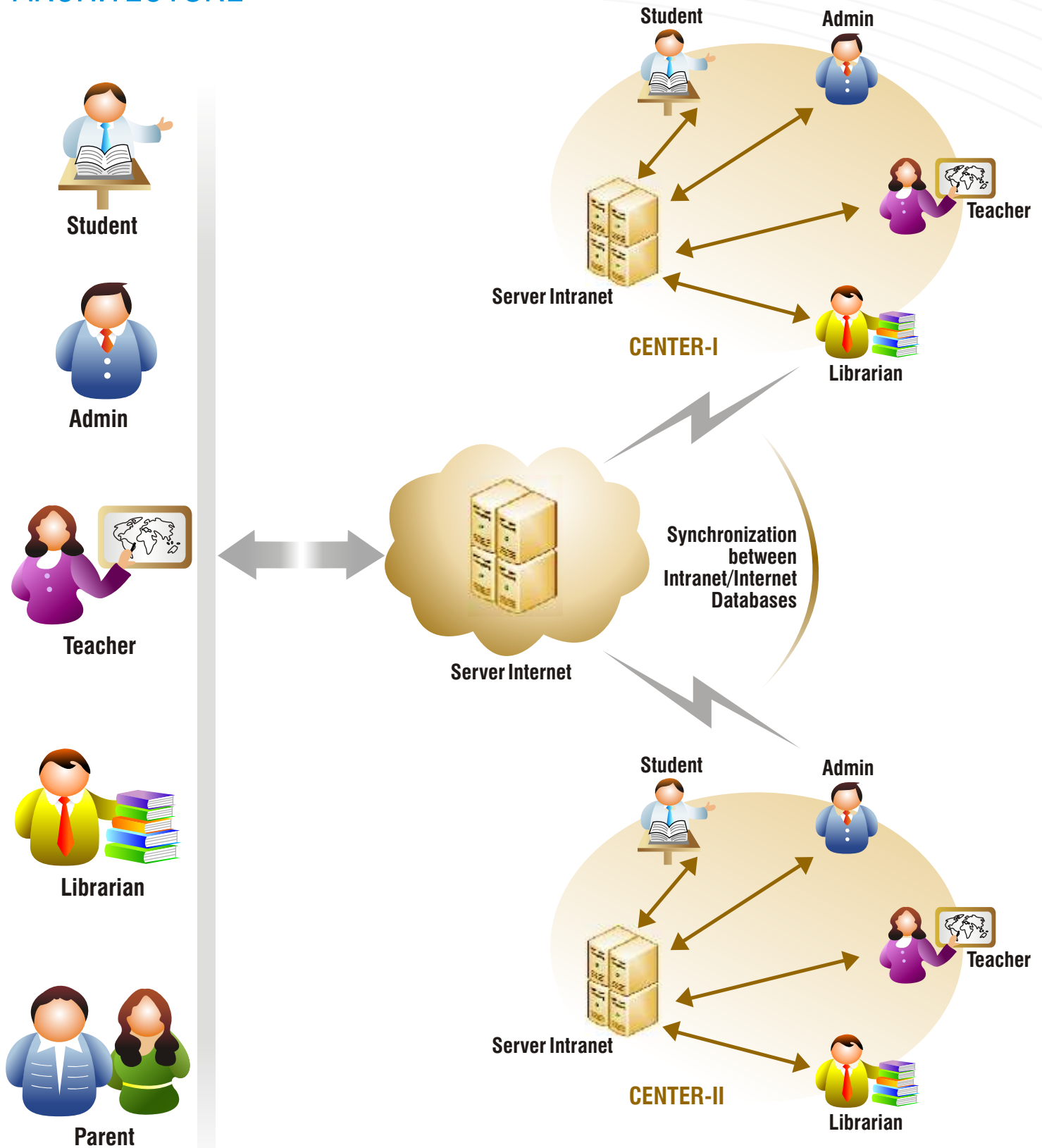
**Security**

**Security is also highly important for any systems. The disadvantage of making it easy to find school information is that it also makes it easy for this information to fall into the wrong hands. Defined security lines are implemented right from the beginning of EduSwift. EduSwift has the concept of user permissions. Passwords are stored in the database using a standard encryption algorithm.**



# EduSwift - School Management System

## ARCHITECTURE





# EduSwift - School Management System

## ADVANTAGES



## STAYING COMPETITIVE



 [www.EduSwift.com](http://www.EduSwift.com)

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