



BISAM-BIS attendance Management System

Overview:

BIS Attendance Management (BISAM) is **an RFID based** comprehensive attendance management system for schools and colleges. We have one enhanced version (**BISAM-e**) of the same system, which provides more features as compared to BISAM-b. BISAM-b provides robust, secure and automatic attendance management system for both, Students and Staff. BISAM has an inbuilt facility of sending automatic SMS and Email alerts to the Parents/Guardians of the students.

The Need:

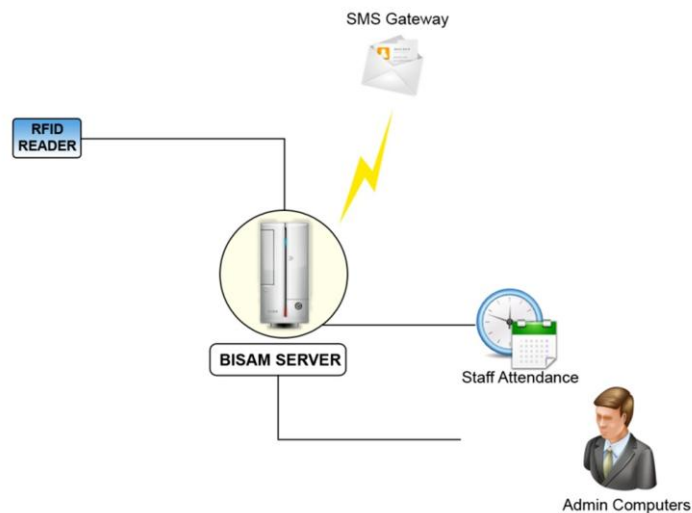
- ▶ **More Efficient Student Attendance** – BISAM automates the student and staff attendance hence; reducing irregularities in the attendance process arising due to human error.
- ▶ **Saving Time** – Important administrative and educational resources could be freed up by utilizing BISAM
- ▶ **Environment Friendly** – Reduces paper and other resource requirements.
- ▶ **Better Parent/Guardian information system** – Parents/Guardians are better informed about their wards whereabouts with automatic SMS, Bulk SMS and Email facilities in BISAM.
- ▶ **Improved Parent/Guardian – School Relationship** – BISAM brings the two principal stakeholders in a student's education closer, considerably improving the Parent/Guardian - School rapport, leading to an atmosphere of comfort and trust.



BIS ATTENDANCE MANAGEMENT (BISAM)

BISAM is built on cutting edge modern technology and designed to help schools and Parents/Guardians to deal with problems of truancy/absenteeism.

The system consists of the following technology elements as shown in the figure.



Note: The Graphic Illustration Is For Demonstration Purpose only.

- ▶ Radio Frequency ID (RFID) Tags
- ▶ BISAM Server
- ▶ BISAM Client Interface
- ▶ BISAM Software
- ▶ Bulk SMS facility
- ▶ Automatic Email Alerts

In a typical BISAM setup there is a RFID device installed on main entry gate. This device is connected with the BISAM server housed in the school.

Each day the attendance will be registered with the help of RFID device. The BISAM server will download the attendance data at a pre-set time. It will process the attendance and send a set SMS message to the parents/guardians of the absentee student via BISAM SMS gateway server.

Features:

www.Softwarehouse.co Tel/Fax- +91-151-2200392 +91-9414138694/620

- ▶ Accurate Student Attendance

Email : enquiry@softwarehouse.co



The message template can be set by the school authorities to their liking.

The system also allows school authorities to send SMS alerts to parents/guardians regarding special events and emergencies.

BISAM is built on robust client-server architecture and supports multiple simultaneous clients which enable admin staff to perform their function with utmost ease

BISAM also has fully integrated **Time Manager Software** which provides various employee attendance and HR related functionalities. E.g. Shift Scheduling, Shift Rota, Attendance Summary, Leave Management etc. BISAM Time Manager module can also be integrated with leading payroll processing software.

BISAM-e (BISAM-Enhanced):

We have developed an enhanced version of BISAM-b system. In the basic version only time attendance is being managed with the help of the system, whereas the enhanced version has much more functionality part from basic system. All the major features are listed below:

1. Subject management
2. Syllabus management
3. Employee management
4. Student management
5. Notice board management
6. Transport management
7. Fee management
8. TC management
9. Class notes management
10. Library management
11. Examination management
12. Leave management
13. Comprehensive reporting
14. Secure data Etc.

RFID (Radio frequency identification) Tags:

Radio frequency identification (RFID) is a generic term that is used to describe a system that transmits the identity (in the form of a unique serial number) of an object or person wirelessly, using



radio waves. It's grouped under the broad category of automatic identification technologies.

RFID is in use all around us. If you have ever chipped your pet with an ID tag, used EZPass through a toll booth, or paid for gas using SpeedPass, you've used RFID. In addition, RFID is increasingly used with biometric technologies for security.

Unlike ubiquitous UPC bar-code technology, RFID technology does not require contact or line of sight for communication. RFID data can be read through the human body, clothing and non-metallic materials.

Each kid will carry RFID tag with them (either attached with sling or to be kept in school).

Features:

- Accurate Student Attendance
- Automatic Attendance Collection
- Daily Absentee Report
- Automatic SMS alert to Parent/Guardian of absentee student
- Daily attendance Register
- Monthly attendance Register
- Yearly attendance Report
- Bulk SMS facility for special events and announcements
- RFID options for young kids
- Mobile attendance data collection and reporting
- Meal Monitoring
- Robust employee attendance system

Benefits:

- Better student attendance management
- Less administration work
- Better accounting of students whereabouts during school hours
- More parental involvement in ascertaining student presence in schools
- Improves students attendance ratios
- Better staff attendance management