

**TIME
ATTENDANCE**

STUDENT MANAGEMENT



Keeping an accurate record of student's attendance and performance is not only an important but challenging job, as there are only limited number of teachers and a lot of time is wasted in taking the attendance in classes.

Schools & Colleges constantly are looking for cost effective solutions to solve these challenges. The versatile Biometrics Smart Terminal and the Smart Roll Call solution is the answer to these issues in schools and colleges, as it offers to manage student's time and attendance with security and accuracy. Student clock in and out by fingerprint authentication allowing parents and the school to know the whereabouts of the children.

As mobile payment becomes more popular, these biometrics smart terminals allow students to make payment with fingerprint authentication from their account. With this secure way of payment, parents can review all transactions and put more money into children's account whenever the funds are used up.

SMART ROLL CALL

In college, taking attendance of every class is repetitive, nonproductive but yet mandatory. Traditional method of roll call attendance is being followed for ages now. It creates the need for digitising this process by an accurate, faster and convenient electronic tool involving biometric verification of the student's finger.

It shall comply to the following needs:

- # DIY - The students shall punch their own attendance accurately and conveniently while the lecture is going on, thus saving time.
- # Eliminate the probability of proxy attendance, thereby fixing the known leakage.
- # Automate entry of attendance data in the College Academic MIS to capture human error/bias.
- # Visibility of attendance data online among students and parents for transparency.
- # Mobile app for students to view individual attendance report.

MICROLOG BIO

MicroLog Bio is a handheld biometric attendance management terminal.

It automates and provides a convenient way to quickly record student attendance using biometric fingerprint based technology, to ensure identification accuracy, prevent errors, and eliminate proxy attendance even from identical twins.

With a battery backup of 4-6 hours with an inbuilt wifi module and LAN port for data communication, this portable and rugged device is fall proof upto 2m.



TIME ATTENDANCE

HOW DOES THE SOLUTION WORK

- # Register the students and professors fingerprint for biometric attendance system.
- # MicroLog Bio is configured initially with Master Data like the professor, courses being taken by him/her for the semester and the students registered for the course.
- # During each lecture, the professor carry the MicroLOG Bio and log in using their fingerprint. After the professor logs in, the subject drop down will appear on the screen to select the class subject and making it ready for student attendance.
- # The MicroLOG Bio is handed over to the students to pass it around the class for each student to input their fingerprint. Upon completing the attendance of all the students, the device is returned to the professor. The professor inputs their fingerprint to log out from the device.
- # After the professor logs out, it is equivalent to closing the attendance register, the data is pushed to the server in bulk mode and posted in the application database for online attendance report generation.

Roll No.	Name	Class	Present	Absent	Present %	Absent %
12434	NAVJEN	2	11	2	84.62%	15.38%
13079	ALORNIAD	2	11	2	84.62%	15.38%
14320	KRISHAL BHARDI	2	11	2	84.62%	15.38%
14657	HISHI BANJARI	2	11	2	84.62%	15.38%
14670	SHASHIDHAR S	2	11	2	84.62%	15.38%
14673	SHUBHAM DUTTA (BIO A K DUTTA)	2	11	2	84.62%	15.38%
14744	T S KAUSTUBHA	2	11	2	84.62%	15.38%
14749	TARUN KUMAR	2	11	2	84.62%	15.38%
14750	UMA SHANKAR RAJ	2	11	2	84.62%	15.38%
14811	VISHAL GAUTAM	2	11	2	84.62%	15.38%
15044	ABHISHEK SINGH	2	11	2	84.62%	15.38%
15043	ANSHUL ROY	2	11	2	84.62%	15.38%
15043	EKTA SINGH	2	11	2	84.62%	15.38%
150218	KAMAL KUMAR MEENA	2	11	2	84.62%	15.38%
150450	NIKAL SAMOHAR	2	11	2	84.62%	15.38%
150560	SAURABH SINGH (13-01-1997)	2	11	2	84.62%	15.38%
150571	SIVA VARMA	2	11	2	84.62%	15.38%
150622	VINEK KAVATHI	2	11	2	84.62%	15.38%
150628	VISHVELA DARSAN SARANY	2	11	2	84.62%	15.38%
150750	ARPI KUMAR	2	11	2	84.62%	15.38%
150761	ARPI SINGH	2	11	2	84.62%	15.38%
150769	ASHISH KUMAR (SATISH KUMAR)	2	11	2	84.62%	15.38%
150800	GAURAV MEENA	2	11	2	84.62%	15.38%
150291	HIRANSHI KUMAR	2	11	2	84.62%	15.38%

Semester attendance

Roll No.	Name	Class	Present	Absent	Present %	Absent %
13172	ATUL KUMAR VADEI	11:00 AM	11	0	100%	0%
13226	JYEN KUMARI	11:00 AM	11	0	100%	0%
13266	VAISHALI PISHAYI KANLE	11:00 AM	11	0	100%	0%
133144	NIKAL SINGH	11:00 AM	11	0	100%	0%
14050	ARPI SHARMA	11:00 AM	11	0	100%	0%
14059	RIKASH MEENA	11:00 AM	11	0	100%	0%
140206	HEMANT SINGH MEENA	11:00 AM	11	0	100%	0%
145406	RIVISH RAJ	11:00 AM	11	0	100%	0%
150164	ARPI SINGH	11:00 AM	11	0	100%	0%
150152	ANAND KUMAR MARTHA	11:00 AM	11	0	100%	0%
150021	ANAND PANDAV	11:00 AM	11	0	100%	0%
150026	ANAND PANDAV	11:00 AM	11	0	100%	0%
150028	ANAND PANDAV	11:00 AM	11	0	100%	0%
150029	ANAND PANDAV	11:00 AM	11	0	100%	0%
150037	ANAND PANDAV	11:00 AM	11	0	100%	0%
150038	ANAND PANDAV	11:00 AM	11	0	100%	0%
150039	ANAND PANDAV	11:00 AM	11	0	100%	0%
150043	ANAND PANDAV	11:00 AM	11	0	100%	0%
150045	ANAND PANDAV	11:00 AM	11	0	100%	0%
150046	ANAND PANDAV	11:00 AM	11	0	100%	0%
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