

TELEPEN



Onyx

Student Attendance
Monitoring System



CAPTURE THE FUTURE...

Onyx – Student Attendance Monitoring System

Efficient and seamless solutions

Onyx, developed in conjunction with the Universities of Bedfordshire and Huddersfield is a flexible student attendance monitoring system used to collect engagement data. The system is real-time, robust and cost-effective.

The system is designed to aid student retention through the early identification of missed lectures, and to assist with the institution's obligations under the UK Borders Agency Regulations.

Specifically, the system will assist in reporting the ten consecutive missed points of contact as required under the Tier 4 sponsorship duties.

The system can also provide the proof of attendance required for Student Finance systems such as EMA (Education Maintenance Allowance).

Student attendance is recorded automatically, rapidly and accurately by presentation of their existing ID card at lectures and other student engagements using fixed and/or portable scanners. This builds a picture of attendance that can identify any student difficulties while there is still time to act. The system can also be utilised to record other key events like examination attendance or coursework submission to ensure that courses are completed and grades are maintained.

ID card scanning is a rapid and reliable approach that eliminates the human error that is inevitable with manual recording techniques. Our attendance system operates with fixed and/or portable scanners and is compatible with all existing card formats. The hardware we use is built on 35 years of experience with card reading technologies, and our extensive experience of university library access control using existing student ID cards.



Event Time	Location	Event	Card
29/11/2007 14:46:57	Room B302	General Attendance	515803578
29/11/2007 14:47:03	Room B302	General Attendance	901446293
29/11/2007 14:47:06	Room B302	General Attendance	1039597221
29/11/2007 17:49:48	Room B302	General Attendance	2821399684
29/11/2007 17:49:48	Room B302	General Attendance	2416147657
29/11/2007 17:51:10	Room B302	General Attendance	2821399684
29/11/2007 17:51:22	Room B302	General Attendance	2423653988

At the bottom of the window, it says 'Connected to database'.

The Onyx database collects attendance data and can compare the data with your timetabling system. A reporting module is available within Onyx to provide detailed analysis. Alternatively, export the attendance data to your own registration system, or provide your own analysis of the database.

FIXED SCANNERS

Fixed position scan stations can be supplied complete with card reader and optional display.

TACIM2 supports RFID and barcode technology and has a number of optional features including a text display and PIN pad. TACIM2 can also be used to control locks and facilitate Secure Room Booking.

TACIM Lite is a compact and cost effective unit for use with RFID cards.

The scan stations communicate with the central application through the organisation's standard computer network infrastructure via LAN or WiFi. These scanners can be powered by PoE (Power over Ethernet). In the event of a network failure, the units will continue to operate offline, storing attendance data locally then transmitting the data once the network is restored.

PORTABLE SCANNERS

Portable scanners give greater flexibility in use. A single scanner could cover a number of rooms plus places where a fixed scanner cannot be used such as field courses.

A range of portable scanners is available to suit your budget, from low cost barcode scanners to feature rich PDAs with a Windows platform and barcode and RFID capabilities. Scanners are available for batch update or with wireless options for real time data transfer.

REPORTS/OUTPUT

Onyx produces absentee reports, which give details of students who have failed to attend their expected timetabled engagements. Emails can be sent automatically to the tutor or administrator associated with the relevant timetabled engagement.

Reports are also produced with details of students who have reached a specified number of consecutive absences. Emails are again sent automatically to relevant parties.

SYSTEM INTEGRATION

All events are recorded for future analysis either from within Onyx, externally by directly querying the database, or potentially via your timetabling system. Onyx can integrate student and timetabling data from a variety of different sources including external software products such as Agresso, Syllabus+ and Celcat. Please ask for further details.

Student Retention
Onyx improves student retention by the early identification of patterns of missed lectures enabling the timely intervention of pastoral care. The ability for the institution to prevent early dropout has considerable financial benefits.

UK Borders Agency Regulations
The regulations for Tier 4 Sponsorship are now clear. The institution is responsible for advising 10 consecutive missed points of contact. Onyx can notify you of 10 consecutive missed lectures or other defined points of contact.



From left to right: TACIM Lite, TACIM2, Portable Barcode Scanner, Multi Function PDA and Telescan 2



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SB Electronic Systems Ltd.

is the leading supplier of data capture software, access control systems, RFID tagging, plastic cards, barcode labels and the UK's only manufacturer of barcode readers .



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