



Case Study



Location:

De Montfort University, Leicester

Number of Card Users:

20,000 cards in circulation

Solutions Package:

Hardware: HS600 Value Loaders, HS600 Desktop Value Loaders, HS600 Card Readers, Javelin Card Printers.

Software: Card 5 Photo ID production Software.



De Montfort University Complete ID Card Production System

Objectives:

De Montfort University needed to provide students with a multi-application smart card, making it easier and more secure for students using different systems at DMU.

The pre-existing card at DMU was a magnetic stripe card. This card was used for two purposes; as an ID card and as a library and computer laboratory access card. The card was produced off campus by a specialist supplier.

The magnetic stripe cards contained the details of the course each student was undertaking. This could be problematic as students often changed courses throughout the year, requiring new cards to be issued. As the cards were produced off site, this could be a lengthy process.

Therefore, the new system to be implemented had to be reliable, easily managed and improve the administration process of how cards are produced and distributed.

Requirement:

In addition to a supplier of cards and card printers, De Montfort University needed a company which would continually support them in developing that card system over the coming years.

DMU's main requirement was to have control over its card production; they wanted a card system which would integrate with the main student record database. DMU also wanted to introduce price rates for photocopier use, charging students, visitors and staff different rates for photocopying. In order to begin charging for photocopying, the new card system needed to be compatible with the existing photocopiers.

Finally, the card must be secure and durable to last the duration of the student's course.

Solution:

ICS proposed and installed three card production stations each comprising of a desktop PC, scanner, full colour card printer, smart card reader, cards and consumables.

DMU have complete control over their card production system. The new smart card solution installed provides DMU with a personalised system that is easily controlled and managed on site.

The card system also links up with DMU's main student record database to enable information exchange. Staff can run reports on the number of cards produced and replaced to monitor production activity.

Since ICS installed the chip card system, photocopying costs have been reduced. Payment for photocopying is controlled via the HS600 management solution, where value is held on the student's card. Students access the photocopiers by swiping their cards through the HS600 card readers, which then take payment for use of the facility. Students can add value back on to their cards either with the HS600 Desk-Top Loader or the HS600 Value Loader.





"ICS have been extremely supportive in helping us to achieve our objectives, they have worked with us to draw up specifications, implement roll out and have continued to offer good back up. Support staff know our set up, know our needs and quickly help to sort out our problems."

**Jacky Smith,
Kimberlin Library.**



HS600 Card Reader

Solution Continued:

The control and productivity of the system is beneficial to the students. A large number of cards are distributed prior to the start of term, ready for use on the first day of the academic year.

Delays are further avoided as the student's passport photos are sent to DMU for scanning into the system prior to their cards being produced. Students do not need to be present at time of card production.

The ordering of cards and consumables is done through ICS, making the process simple and efficient.



HS600 Value Loader

ICS supplied a multi-functional chip card with the technology to incorporate photocopying and other applications onto the card. The students now have a smart chip card which can be used for:

- Student Identification
- Access Control to the Libraries
- Photocopy Control
- NUS Card
- Student Voting

Future:

DMU hopes to add more applications onto the card, for example, additional electronic data and possibly a smart card operated laundry service, printing control, meal plans, and information kiosks which ICS can provide. It is also planned to roll out these services to other DMU sites.

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