



Improve your collage efficiency by
Biometric and smart card solutions



Campus Cards

Developed By

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Smart Card Based Student ID and Access Control

Current Scenario:

In today's competition most of the Institute wishes to recognize as different Institute as compare to other institute as far as education environment and facilities are concern .every year number of students enrolling for the various courses. The Institute provides the students not only a very good education but also a lot of other facilities within the Institute.

These facilities include.

1. Library
2. Auditorium
3. Parking
4. Administration
5. Amphitheater
6. Cafeteria
7. E-Center
8. M.D.P.
9. Computerized Class Rooms
10. Gymnasium
11. Shopping Mall

With a Setup like this, it is very important for the Institute to provide a very tight security for not only the students but also for the staff and the Institute itself. Apart from this, there are a lot of other matters that are of to be dealt by the Institute.

These matters include:-

1. Maintaining debit and credit facility for any kind of monetary transaction without the usage of liquid money, within the Institute.
2. Recording the Attendance of the students and the staff
3. Avoid trespassing in restricted areas for unauthorized personnel (like the server rooms, R & D departments, etc).
4. Maintaining Canteen Coupons for the staff (If any).
5. Library Management.
6. Access to the data of the student to all authorized personnel at the finger tips.

Solution:-

CAMPUS CARD provides the Smart Card Application for your institute: When there is a need to eliminate liquid cash, which has a lot of its own disadvantages, and to induce security within the organization. **CAMPUS CARD** plays the most important role. The software is a Smart Card based application specifically created to provide an end to end solution to Institutes.

Understanding ISMART

The **CAMPUS CARD** software is based on the Advanced Card System Technology adopted in all of the Europe and the US. CAMPUS CARD uses this technology to send and retrieve messages from the desktop to the Smart Card and back.

CAMPUS CARD is highly customizable software application and is actually customized to your college's requirements.

Features of ISMART

- **Time and Attendance for students / Employees:**

The most effective and efficient manner for maintaining the In and Out records of the individual is by the combination of Smart Card and Biometrics. Each time the individual enters the class room the **In** time is recorded similarly the **Out** time is recorded when the student leaves the room. The mischief of false attendance can be avoided by introducing Finger Authentication Biometric along with the Smart Card. This way the individual has to be present at the time of punching of the Smart Card. The entire monthly record of the individual can also be stored on the card for future reference.

- **E-Cash:**

Once the software is installed in the computers of each department, it would immediately replace the need of liquid cash transaction. Avoidance of Cash transactions and handling of cash in the institute's premises is obviated by means of the student making a payment to the institute by means of a Demand Draft or depositing of amounts with the Institutes Bankers and obtaining an equivalent credit on the CAMPUS CARD when the individual enrolls with the Institute. Whenever the individual does any transaction the amount is automatically debited from the ISMART.

- **Library Management:**

With the CAMPUS CARD Library module, the tedious paper work of the librarian to maintain the records of the books issued and accepted would be eliminated. The desktop application of the CAMPUS CARD library module will take care of the Inventory part of the librarian, whereas the management part will be dealt by the Smart Card. Each time a book is issued to the student, one record is stored on the Server for the College purpose and the other is stored on the Smart Card. Thus the librarian need not search for the records in the Server, but the data is retrieved from the Card of the Card Holder, this ensures switch in time by providing the entire data in a flash. Thus this facilitates the librarian to know if the issuer is a defaulter. In such cases the librarian could deduct the amount of default immediately through the E-cash.

- **Canteen:**

In most of the big organizations the employees are given coupons, which they have to produce in the canteen every time they have meal, this is a very

tedious job in maintaining the authenticity and avoiding the duplications of the coupons. This complication could be avoided by the use of Smart Card. The employees Smart Card will be credited by a fix -amount in the start of the month, this money can then be used by the employee in the canteen as replacement of coupons. Similarly, the students can also use their Smart Card as E-Cash in the Canteen. The student / employee just have to select the items from the menu and add to their cart, the bill is then produced and debited from the smart Card; the bill is then produced at the counter. This will avoid also long queues at the cash counter.

- **Shopping Mall:**

The shopping Mall concept is also similar to the Canteen application in which the student or the employee could purchase any product from the mall and pay using the Smart Card instead of liquid cash.

Hardware Requirements

To Install and run the **CAMPUS CARD** application, the college should have the following minimum requirements.

1. A Desktop/ Laptop Computer with the following configurations
 - 266 MMX Celeron / Pentium processor
 - 64 MB Ram
 - 100 MB of Disk Free Space
 - A CD ROM Drive attached to the computer or in the network
 - A COMM port to attach the Smart Card Reader
2. A Smart Card Reader.

Technology

Java, oracle