Perceptron™
Software Labs

RF-ID Cards:
Taking Money Matters To An All New Level!

Money Matters – A Challenge!

Financial management is critical for survival, wether it is an individual or an organization. It becomes all the more imperative if matters come to managing group finances, especially if the group comprises of students in an academic institution pursuing higher studies. This was the challenge that was faced by a premier institute in Goa in handling the transactions of the Cafeteria, Laundry, Library and other facilities on campus for the students. To handle such a dynamic and challenging environment, RFID decided to take Money Matters to an all new level.

The Present Scenario

As each student walks into the classroom, the attendance is marked automatically and a display at the end of the classroom indicates the total number of students in the class; thus saving precious time of the faculty! With an in-campus cafeteria catering, the students just walk to the counter, choose from the menu and just flash their ID cards at the RFID enabled cash counter and walk away with their meals. With no cash being exchanged, this means faster billing and more time for the students to enjoy their short breaks. Demanding assignments require the students to reference at the library and the role of the librarian in tracking just got easier. With student checking out with books and returning them back in a RF enabled library, the late fee for delayed returns is also automatically deducted from the ID cards. An RF enabled photocopy counter tracks the usage of the machine and the relevant amount is deducted at the flash of the card. At the hostel,the RF cards are also integrated to drive the washing machines and the amount is deducted according to the wash cycle selected! What's more, all these transactions of each studentare available on a web portal as a statementof account, thereby easing the work load of the accounts department. Financial management just got simpler!

The Future

With growing popularity amongst the service providers in the campus and the students, the future will see an integration of online recharge of the ID cards for each student. This would enable the entire operations to run in an autonomous mode …true automation.

Solution Highlights

- E-Purse
- Cashless cafeteria management
- Automated fine collection at the library
- Expense statements at one click
- Authentic & Reliable Information

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