

Canteen Management System



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Canteen Management System



Most of the industries offer subsidized food to their employees in their canteens. It becomes a cumbersome process to manually account for individual employees for deductions from their payrolls. When the number of employees are above 500, the HR department has to spend quite a time and resources to carry out this activity, besides inconvenience to employees on a daily basis. To ease out things H P Microsystems has developed a technically sound and user friendly solution, CMS.

CPU	Samsung 32 bit
Device OS	Win CE 6.0 R3
Memory	1 GB Nand Flash
RAM	64 MB
Display	320x240 pixel, 7 inch LCD Touch
Power Range	130V-260 V @ 50Hz
Keyboard	4x4 Matrix, Membrane
Finger Print	Optical High Performance
RFID Reader	Smart Card / LF / Proximity / Mifare
Printer	Thermal 2 Inch – 50 Km life



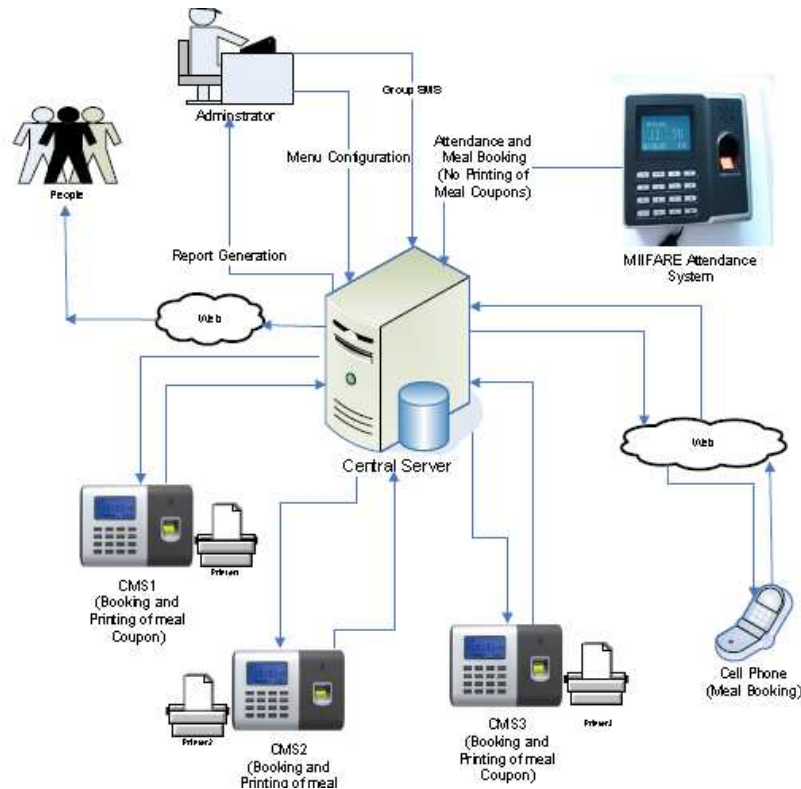
Solution

- 1. Initially, people will swipe their card on the existing “Attendance reader” and key in the Meal coupon selection button, while resuming on the shift.
- 2. This coupon acts as a confirmation of the menu selected by the person in addition to the attendance data.
- 3. In the Canteen, User will show the card to the “Canteen reader”, and then if it is a valid card the reader will send the card code to the server
- 4. The server will establish the connection with the “Canteen reader” and will remain in the listen mode. Server will validate the card and will issue a Print Command directly to the Printer (with the pre-selected Coupon for the user)
- 5. The printed coupon is presented by the person to the canteen personnel.

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Architecture



CMS - Software

- Integration with Existing Attendance System
- Integration with Existing Accounts System
- MIS Dashboard for Standard & Adhoc reporting and analysis
- SMS based alert for Canteen Service Manager
- SMS based reservation
- Bulk booking and cancellation with Aggregation data for Salary processing
- Guest/Family booking with Subsidized, No subsidized rules processing for payroll
- Fortuna Attendance Configuration
- Existing Attendance Card Configuration with Canteen POS System
- Scalable Architecture for future accommodation of Multiple Location based Canteen &
- Multiple Canteen POS system integration
- BULK SMS API for Invitation and Advertisement

CMS – Interfaces

- Admin Home Page - Dashboard
- Login Interface
- User Profile Page (Create/Update/Delete/Suspend User)
- Meal Details
- Employee Lunch Coupon Details
- Coupon Data Processing
- Employee Coupon Usage
- View Reports by Date for all kind of Menu
- View Reports by employee wise
- View Reports by Department/ Group
- SMS Alert
- Bulk SMS
- Schedule SMS
- Booked Menu

CMS – Benefits

- 1) Lunch / Dinner Bookings using Existing Fortuna ARM
- 2) Lunch / Dinner Bookings using SMS using Short Codes
- 3) Breakfast/ Lunch / Dinner Bookings for Guests by Departments
- 4) Transparent Computerised Billing
- 5) One Subsidy per meal per person
- 6) Booking using RFID card / Finger print
- 7) SMS / Email alerts for Department HOD / Canteen / HR / User
- 8) Updation of Menu for each meal by Canteen on daily basis
- 9) Provision for Tea/Milk/Curd / Snacks
- 10) Billing reports for employees, canteen , departments and company