Token Automation for Staff Canteen (TASC)
Product Functionality Document

Many organizations provide Canteen as an additional facility to their employees as a welfare measure. The practice of printing Canteen Coupons and manually maintaining a record of its usage is a tedious and time consuming task. Innumerable delays occur right from printing them, reordering them from time to time, keep a register of issue and usage, and finally calculate the monthly consumption of each employee. It is here that Automated Canteen Token System is fast gaining its foothold in companies as an easy cost saving tool for your Canteen Management.

TASC is the token automation system for staff canteen that is fast gaining its foothold in companies due to its cost effective, yet highly efficient, easy to install and operate approach. TASC is a fully integrated client server application meant for canteen management.

The well tried and tested comprehensive solution by DLI of monitoring, controlling and managing meal pass, is poised to meet the requirement of organization which deals heavily in canteen facility. For example – Hospitals, Corporate Offices, Government, Factories, Remote Sites, Hotels, Educational Institutes, Hostels, Clubs, etc.

Key Features

Accounting is made easier between the company and the caterers. Reconciliation between caterers is made easy.

Eliminates Human Error in Accounting.

Reports from system include Employee wise Consumption Report, Daily / Weekly / Monthly Report, Meals Cost Report and Multiple Meals Report.

Definition for Meal Timings, and token generation is allowed only during the specified timings

TASC can be implemented in any organization where the employees have cards (any type of identification cards) for unique identification

TASC can block multiple token generation for an employee for a single meal

TASC can be integrated with an existing (or new), Personnel Information system, Time and Attendance System, Access Control System etc.

Easy Coupon Printing on Employee ID Card Scanning

Fig: Key Features of TASC

Advantages

Vector	Advantage
✅	Eliminates human error in accounting.
📊	Increase efficiency by reducing time on tracking lunch meal distribution.
🕐	Makes the process speedy and secure through paperless transaction
📊	Generates reports for easy and fast interpretation of information.

Business Process

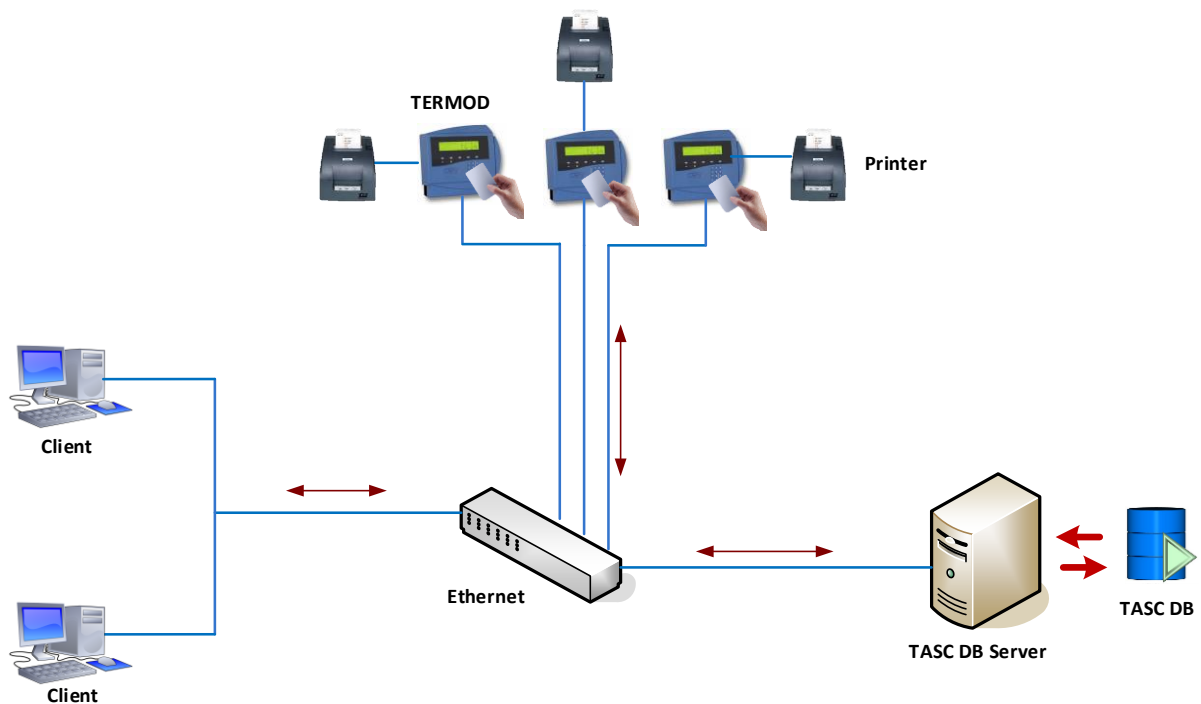### Process Flow

Employee or Visitor

Do punch and take print of the coupon

Submit coupon at Canteen Counter and collect the food

Implementation Process

An ideal Network Architecture diagram for the TASC implementation is mentioned below:-

System Process

1 Create the Desired Master for meal timings in "Booking Type" menu of TASC Application as shown below. Create Employee Master if required, however, TASC application may also be integrated with any Time & Attendance System.

	Bookings Type	Description	Start Time	End Time	End Next Day	Cost	Active
1	IB	BREAK FAST	06.00	10.00	☐	3.50	✔
2	ID	DINNER	17.00	21.00	☐	8.00	✔
3	IL	LUNCH	11.00	15.00	☐	10.00	✔
4	IS	MIDNIGHT	00.00	00.00	☐	8.00	✔

2 Employee shows ID on the terminal. Printer generates meal token after necessary validations. The transaction, thus by generated, can be viewed from the option "Time Bookings" in TASC Application.

	Employee Code	Name	TransactionType	TransactionTime
1	000041	Bharat Kumar Shrestha	BREAK FAST ▼	09.34
2	000041	Bharat Kumar Shrestha	LUNCH ▼	12.55
3	000042	Eric Tolibas	LUNCH ▼	11.31
4	000073	John Dexter Daynolo	LUNCH ▼	11.27
5	000081	Rasidah Jumali	DINNER ▼	17.00
6	000085	Alamgir Hossin	MIDNIGHT ▼	00.04
7	000094	Lyndon Quindipan	LUNCH ▼	14.10
8	000106	Kay Thi Moe	BREAK FAST ▼	08.28
9	000106	Kay Thi Moe	LUNCH ▼	13.55
10	000106	Kay Thi Moe	DINNER ▼	18.12
11	000109	Shinob Purushothaman	BREAK FAST ▼	08.04
12	000109	Shinob Purushothaman	LUNCH ▼	14.31
13	000134	Danilo Docto	BREAK FAST ▼	08.49
14	000134	Danilo Docto	LUNCH ▼	12.50
15	000151	Mohammad Shahadat Hossain Khan	BREAK FAST ▼	08.19
16	000151	Mohammad Shahadat Hossain Khan	LUNCH ▼	13.02
17	000155	Chandana Rupasinghe Arachchige	BREAK FAST ▼	07.18
18	000155	Chandana Rupasinghe Arachchige	LUNCH ▼	13.44

3 Employee shows ID on the terminal. Printer generates meal token after necessary validations. The transaction, thus by generated, can be viewed from the option "Time Bookings" in TASC Application.

* Amount   Detailed Report From 01/07/2014 To 31/07/2014

		BREAK FAST	DINNER	LUNCH	MIDNIGHT	Total
Demo Company	000006 - Marlo Jr Palmiano	0 0.00	22 176.00	0 0.00	0 0.00	22 176.00
	000008 - Rajiv Bhardwaj	0 0.00	0 0.00	4 40.00	0 0.00	4 40.00
	000014 - Ahmed Issa	2 7.00	21 168.00	0 0.00	0 0.00	23 175.00
	000016 - Kyaw Swar Tun	0 0.00	1 8.00	0 0.00	0 0.00	1 8.00
	000041 - Bharat Kumar Shrestha	8 28.00	25 200.00	28 280.00	0 0.00	61 508.00
	000073 - John Dexter Daynolo	0 0.00	0 0.00	1 10.00	0 0.00	1 10.00
	000081 - Rasidah Jumali	13 45.50	31 248.00	24 240.00	2 16.00	70 549.50
	000085 - Alamgir Hossin	1 3.50	32 256.00	4 40.00	3 24.00	40 323.50
	000094 - Lyndon Quindipan	19 66.50	28 224.00	21 210.00	0 0.00	68 500.50
	000095 - Mohamed Dilshan	20 70.00	29 232.00	27 270.00	1 8.00	77 580.00
	000106 - Kay Thi Moe	20 70.00	20 160.00	26 260.00	0 0.00	66 490.00

Target Customers

The well tried and tested TASC application is suitable for numerous industries dominated by large employee base. Some of them are:-
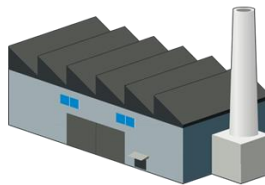
Hospitals

Corporates

Government Organization

Hotels

Factories

Educational Institutes

Clientele