



Secure
Parking

**Smart Parking
Management System
For Shopping Mall**



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Marseille International Holding LLP is a limited liability partnership company based in Kolkata, India. From the humble beginning of our company, we are blessed of having a team of highly enthusiastic, experienced employees who had worked tirelessly for the development of the company since its inception.



Introduction

Operating a managed, busy parking lot can pose significant challenges; especially where there are limited parking slots available. Common parking complexes are normally providing parking facility only to registered vehicle.

The common pain area in parking facilities is to identify the owner's vehicle.

Security person at the gate need to manually identify the owner/employee and the vehicle. If identified, the gate will be manually opened for parking the vehicle inside the premises. This manual identification is a time consuming process and at times can cause misidentification. Security person has to remember the vehicle registrations numbers also.



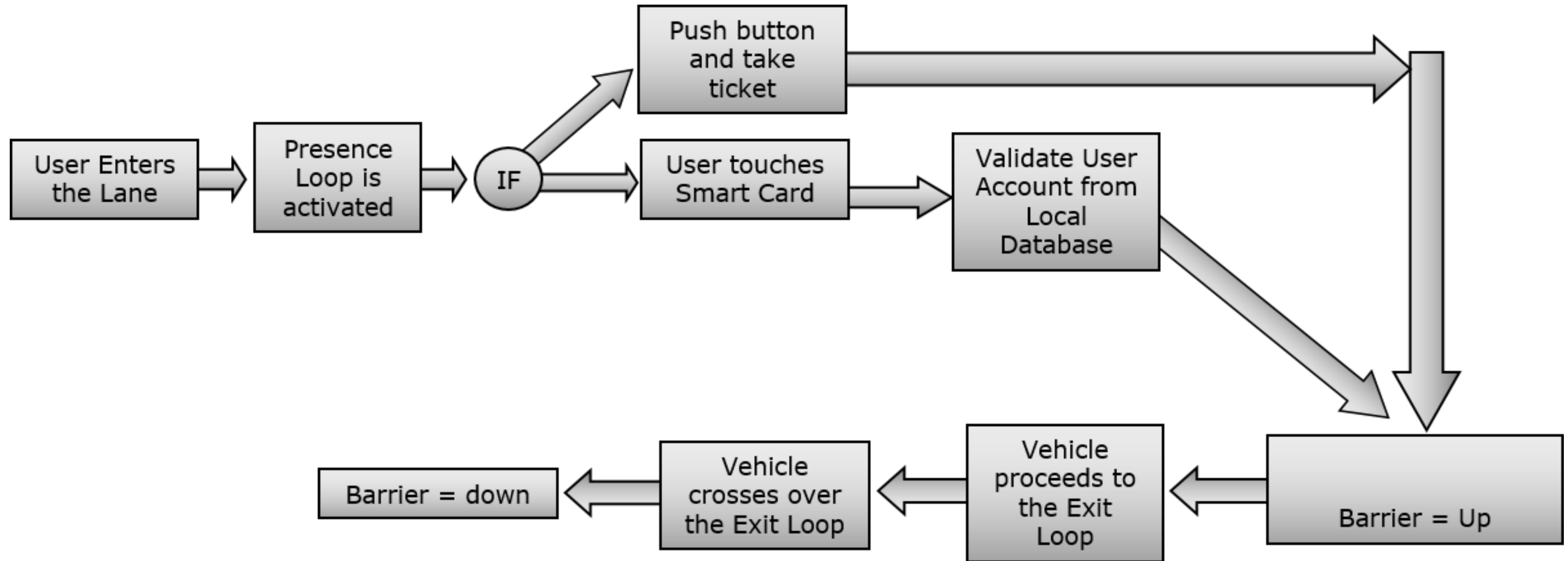


Automatic Ticket Dispensing Machine

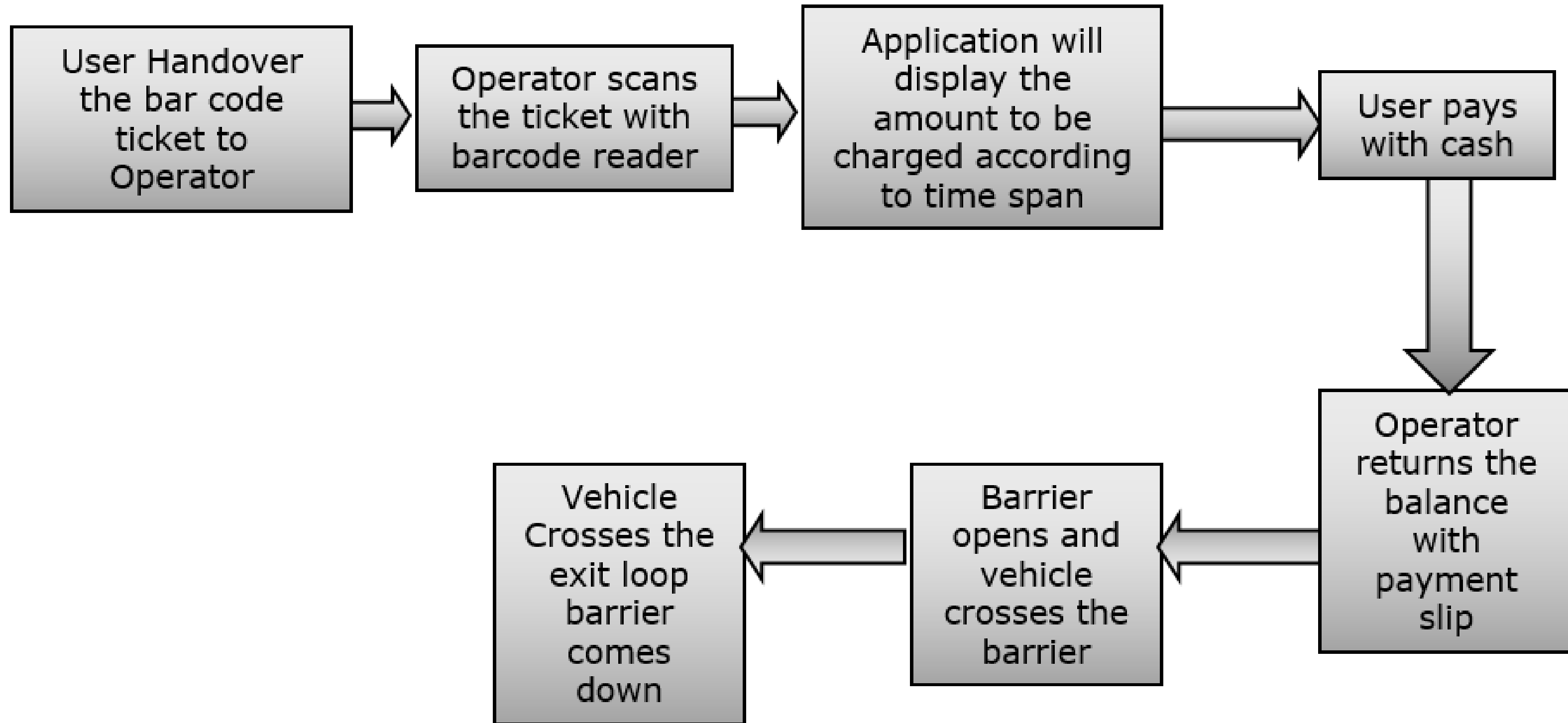
An automated fee collection and ticket dispensing machine includes printers to produce receipts or passes for services or activities. These receipts and passes may be printed for each specific user, and may feature a machine-readable bar code. The device is provided with networking means, to allow central control and monitoring of the device.



Process Flow - Entry Lane



Process Flow - Payment



Fee Collector Screen at Payment Station

Check Out


Input token ID	102000000596	Key Board	Input Card/ Pass Id	810100000028	Key Board
Check In Time	11/17/2008 2:53 PM		Card/ Pass Id	810100000028	
Check Out Time	11/17/2008 2:53 PM		Current balance		
Time duration	.00	HRS.	Credit card No.		
CheckIn payment	.00		Extra charge		
Payable fee	0.00		NET PAYABLE	Rs. 0.00	

Vehicle No. HI OL AV

Payment modes

Cash Cr Card

PROCESS



Parking Work Flow Diagram



Systematic Topological Structural Drawing



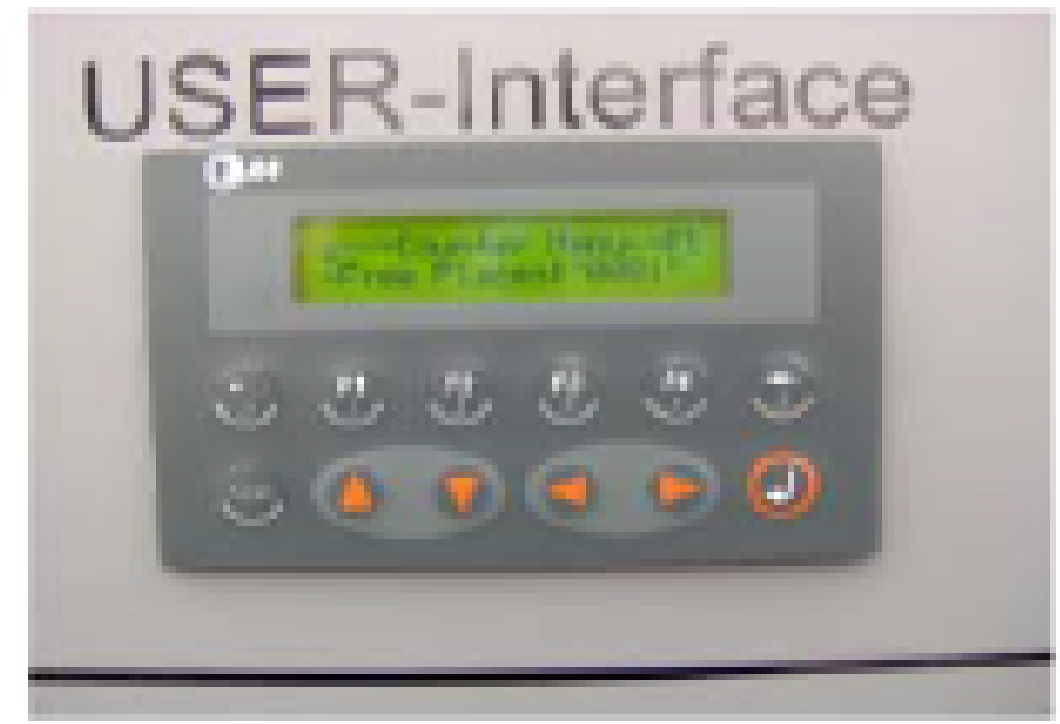
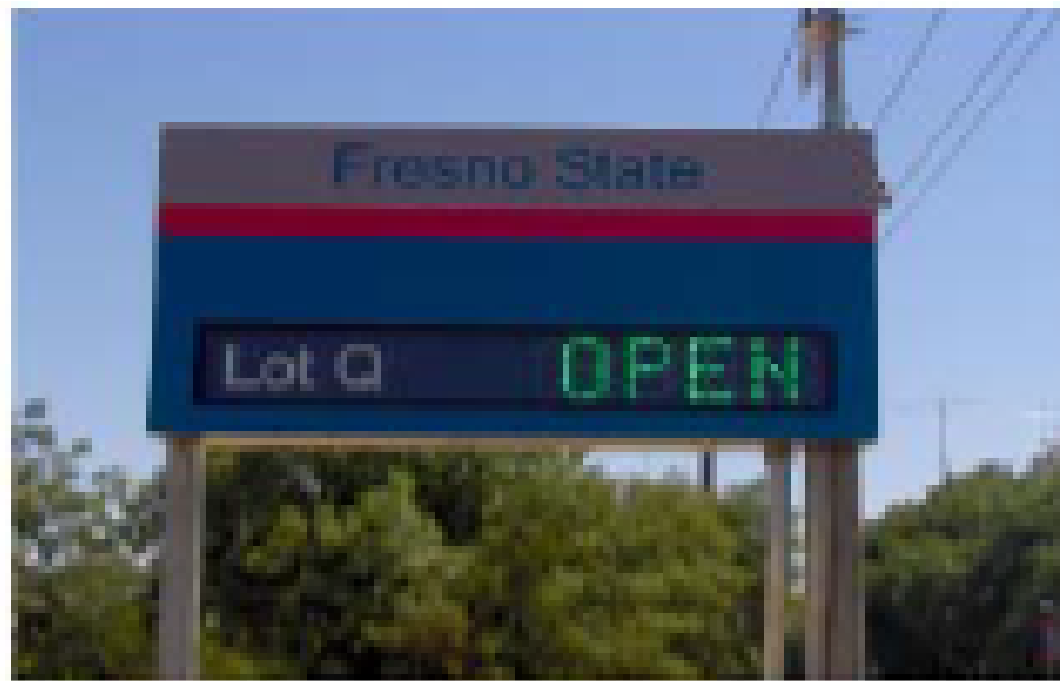
Parking Guidance System



What is GuidePark, Parking Guidance System

Guide Park Parking Guidance system is used to assist the drivers in parking their vehicle inside a parking lot. It present drivers with dynamic information on parking within controlled areas. The systems combines traffic monitoring, communication, processing and variable message sign technologies to provide the service.





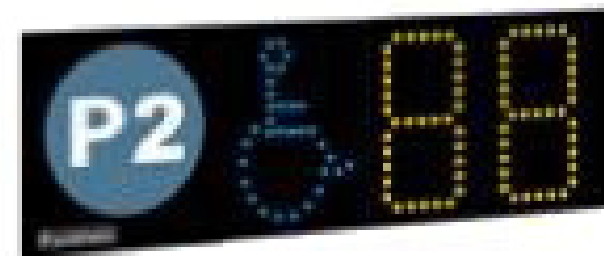
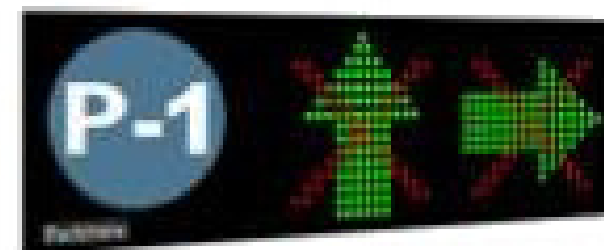
How GuidePark Works?

GuidePark is the guidance system for multi-level car parks. It utilizes ultrasonic detectors to sense the occupancy of a parking lot and occupancy is indicated by a red/green signal indicator. These sensors are connected to zonal controllers and zonal controllers are connected to GuidePark server through a Master controller in between. Master controller also connects the LED VMS displays to display the parking availability information.

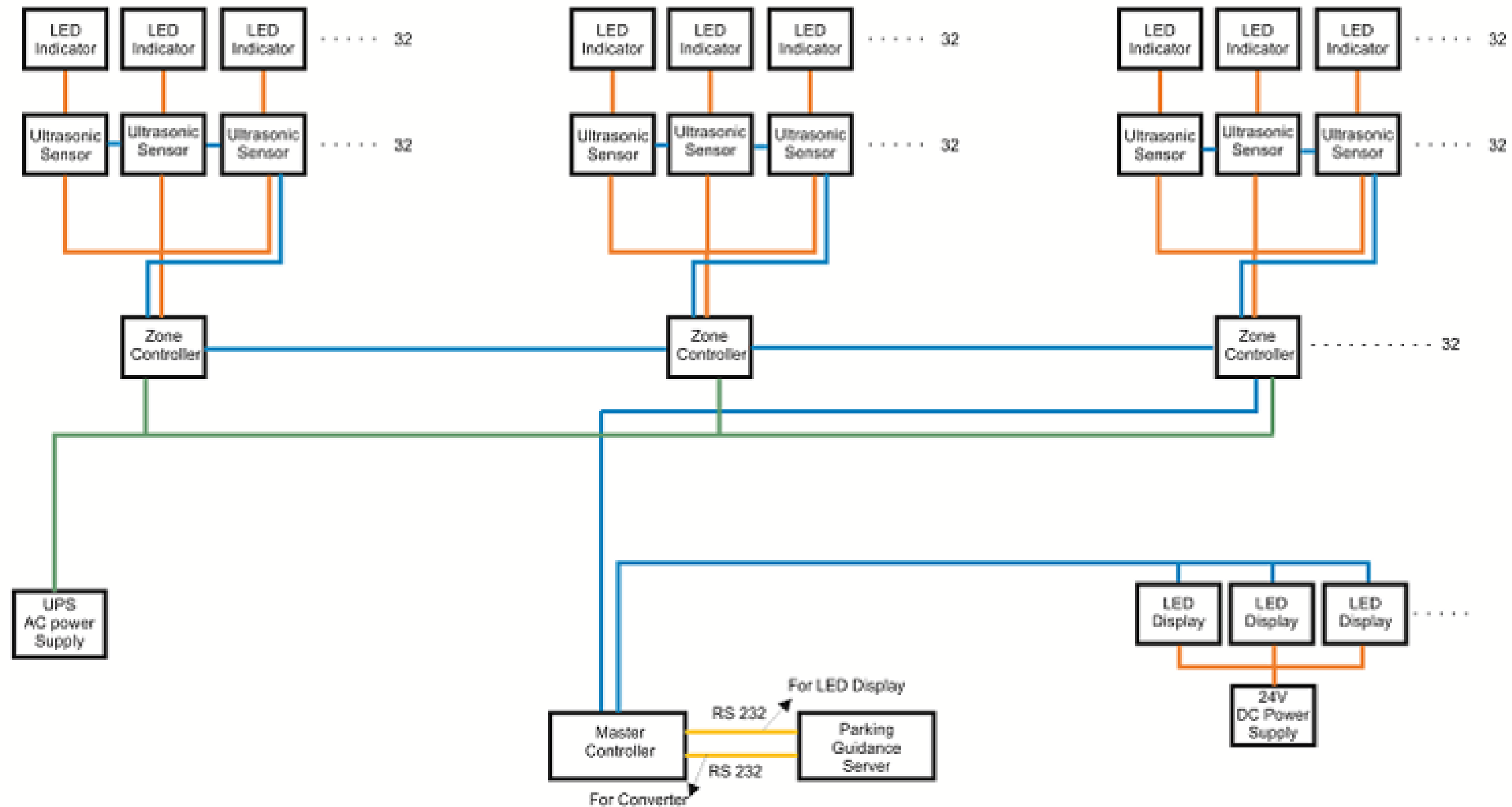
Immediate report on car park occupancy, guiding the user quickly and efficiently to a free space inside the car park.



- Signs: Inform and direct users to the floor or area with the most free spaces.
- Sensors: Detect when a car enters or leaves.
- Signals: Communicate status of parking space



GuidePark System Architecture



Features of Proposed Solution

Security:

- Role based Accessibility
- Encrypted Password Management
- User Rights Management
- User Based GUI

Operations:

- Quicker access
- Fraud resistant
- Shift management
- Pass Management



GuidePark Software Screens








PMS Software Screens





Masters Action Reports Settings

-  Configure Database
-  Database Backup
-  Database Restore
-  Handheld
-  Desktop Reader



Database Configuration

Data Source

Database Name

User Name

Password

Remote Backup





Masters Action Reports Settings

- Company
- Location
- Floor
- Zone
- Parking Slot
- Vehicle Class
- Card Manager
- Shift
- User Role
- Fare
- User



User Na... User Type Mobile Email Status

Mahur
Admin

User Master

Address: Hapur
City: Hapur
State: UP
Country: India

User Name: Mahur
Password: ●●●
Re-Type Password:
Role: Admin
Mobile: 9536721271
Email: abc@gmail.com
Shift: ALL TIME

User Photo:
[Browse](#)



Report

Main Report

Fare Collection

Vehicle Type	Shift	Date	Amount	Penalty Amount	Total Amount
<u>Four Wheeler</u>	<u>Noon</u>	08-09-2015	160.00	180.00	340.00
Four Wheeler			160.00	180.00	340.00
<u>Two Wheeler</u>	<u>Noon</u>	13-01-2016	170.00	0.00	170.00
Two Wheeler			170.00	0.00	170.00
Grand Total:			330.00	180.00	510.00

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Report

Main Report

Fare Collection

Operator	Shift	Date	Amount	Penalty Amount	Total Amount
aditya	Noon	13-01-2016	170.00	0.00	170.00
aditya			170.00	0.00	170.00
Grand Total:			170.00	0.00	170.00

Satisfied Clients



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Case Studies

IOCL: Parking Management System

Problem Statement: Restricting the entry of only Authorized Vehicle

Proposed Solution: RFID Based Vehicle Access Control System

Outcome: Only authorized vehicle can enter the premises now and there is no manual intervention in doing so.

Star TV: Parking Management System

Problem Statement: Restricting the entry of only Authorized Vehicle and restricting Parking usage day wise and guidance inside parking.

Proposed Solution: Smart card Based Vehicle Access Control System

Outcome: Only authorized vehicle can enter the premises using their smart cards and they are guided towards their assigned parking slot by a parking floor display at the entrance.



Customer Feedback

"Hi Team Areteinfo Thank you very much for your support extended at our event in Mumbai. It has been a wonderful experience working with you and your team is highly professional in managing large scale event. You guys are an extended team. Thanks a ton!"

Ritesh Behl

Arvato Bertelsmann

"Hi Team Arete, I'd like to thank you and your entire team for the excellent services and support provided so far. Such a commitment, quick turnaround time on resolution by your engineers and initiative to share new developments will lead to great customer satisfaction."

I wish all the very best and keep the momentum on.

Dinesh Dhal

Group Manager – Administration and Transport
Evalueserve



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"Hi Areteinfo, it was a great experience working with your team, you have got a team of true professionals. Your products are up to our satisfaction and prompt support is the icing on the cake. Keep up the good work. I wish you luck for all your future endeavors."

Kuldeep Sood
Manager- Facility & Administration
Ernst & Young

"Hi Team, I appreciate the excellent services and support provided in our project so far by your team. Every time we need support on our project your team is there."

I wish you best of luck

Pratanu Mohanty
Sr. Manager – Administration
Star India



Thank You



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