



Advanced Parking Management System



Taking Stress Out of Your Parking

Indian Cities Growth: Current Parking Scenario

In the past one decade all major cities of India have seen explosive growth in the number of visitors and patrons due to urban revitalization, extension of transit services into suburban areas, and the general trend toward increased mobility of our society. As a result, frustration with parking is becoming a major concern. Parking patrons often do not know where the best parking locations are, what the facility operating hours are, what the expected costs are, and, most importantly, whether a parking place will be available when they arrive.

eParkSys, Advanced Parking Management System

eParkSys is an electronic parking management system brought to you TechSture Technologies, one of the highly established IT Services & Automation Company. Our firm carries credentials of having over 1 million man hours of experience and over 900 clients which makes us among the top 5 IT Services and Solution companies in the state of Gujarat and among the top 5 players in Electronic Toll Collection System in India.

Our Electronic Parking System boasts superior quality, cost effectiveness and proven methodologies that maximize your toll collection and productivity.

TechSture offers **complete solution** including the equipment, the car park management system, the installation and the onsite maintenance.

Our products are **reliable and robust, with sourced components from reputed and proven manufacturers only.**

The **embedded electronics** integrated in our parking system are products of R&D Lab, enabling us to provide state of art parking system suitable to Indian scenario.

Quality Consciousness

When there are equipments that are sourced, manufactured, assembled and integrated with a software system, quality of each of its entities ensures overall success and reliability of the system. For our parking management system we employ:

- The best of the sourced parts from reputed manufactures only
- A very high quality precision manufacturing
- Strong engineering approach (Quality By Design)
- Matured software development practice

Components of our Electronic Parking System (EPS-009)

Our electronic parking system comprises of **Lane System** and **Central Management System**, integrated in an architecture that facilitates easy and accurate Parking Management.



Parking Equipment List (EPS-009)

Lane Equipment

1. Smart Card Reader
2. Electronic Boom Barrier Machine
3. Vehicle Detection Loop
4. Photo Capture Camera

Central Management System Equipments

1. Server
2. Smart Card Printer
3. Manual Barrier Controller
4. Audit Workstation

eParkSys EPS-009 System Explained:

As vehicle enters the parking lane, auto driver brings smart card towards its reader. Smart card reader upon sensing sends signal to server for data verification. Upon verification, if the card issued is valid computer system sends signal to electronic boom barrier machine to open and simultaneously capture front photo of the vehicle. When the vehicle passes out to parking space, upon exit from magnetic loop, sensors trigger closure of boom thus completing one cycle. .

Features of our Electronic Parking System (EPS-009)

Parking Users Management

- Add Parking User
- Edit/Delete a Parking User

Smart Cards Management

- Issue a new Smart Card to Parking User
- Enable/Disable a Smart Card
- Cancel and Reissue Smart Card to other user

Parking Management

- Create Parking Space & define capacity
- Manage Parking Duration for vehicles (2 Hrs, 4 Hrs etc)
- Time Period Restrictions (e.g from 6AM-9PM Only, Weekdays, Weekends only)
- Special Events Parking

Parking Monitoring System

- Parked Cars Counter Display
- Overcapacity Alarm
- Manual Or Auto off parking system when parking is full
- Vehicle audit and parking report
- Daily, Weekly, Monthly Traffic Report & Analytics

Boom Barrier Features For EPS-009

1. Boom Opening/closing time: 3~6 Seconds depending upon boom length
2. Duty Cycle: 100%, machine can operate flawlessly entire day without overheating or fatigue developed
3. Manual Release Function
4. Machine core with compression spring that effectively avoids the accidents caused by spring breaking
5. Die-casting aluminum alloy motor, precision and good at thermal radiating
6. Motor cooling fan, solving the problem of heat protection
7. Anti Bumping Feature- Reversing on obstacle
8. Anti Collusion Feature - Boom arm swing open when impacted by vehicle
9. Remote Control Feature
10. Thick 2.5 mm body with UV resistant paint

System Requirements

Sr. No.	Item
A	Parking Lane System
1	Industrial Quality Boom Barrier, with one having 90Degree Foldable Arm
2	Vehicle Photo Capture Camera System with 27X zoom feature
3	Camera accessories (pole, stand, housing)
4	Magnetic Loop System for Vehicle Exit
5	Smart Card Reader System with mounting stand, housing
6	System Installation Charges
B	Central Management System
1	Parking Control System with configuration as - Processor: Intel Core I3-540 @ 3.06GHz - Motherboard – Intel – Original – DH55HC - Memory: 2GB DDRIII ECC 1333MHz Memory - Hard Disk: 1*250GB SATA HDD
2	Network Switch (Linksys)
3	Parking Management Software
4	Smart Cards

Delivery Timeline

The boom barriers machines are imported and considering one month required to import the item, a delivery timeline of 1.5 months from the date of placement of order should be considered.

Warranty

All equipments including software system carries a warranty of 12 months from the date of go live or 18 months from the date of delivery of equipments at customer location, whichever is earlier. During this warranty period TechSture Technologies is liable to repair/replace the faulty part at its own cost.

TechSture Technologies also warrants that all the equipments, materials and systems used in the project will be unused, new and of the most suitable grade intended for the use at parking system. Furthermore we warrant all the equipment will adhere to the specification provided by us.

Intellectual Property & Proprietary Rights

TechSture Technologies advocates protection of Intellectual Property of its own as well as of its customers. All the equipment design, technology, software of the parking management system is owned by TechSture Technologies with rights owned by the company. TechSture Technologies will also own proprietary rights of all the supplied equipments till full payment is realized.