Automated Parking System through Public Private Partnership
(Bangalore Municipal Corporation, Karnataka)

A) **Project objective:** The main objective was to improve parking on brigade road and provide for an orderly flow of traffic in the heart of the main commercial district in city and BMP desire to automate process with increased revenue

B) **Pre Project situation:** In the earlier system parking was manually handled hence there was no record of number of vehicles and the money collected. Apart from this the customers never had a time limit due to which vehicles where parked for hours together affecting the business of the shopkeepers and created inconvenience to other

customers who were looking for parking slots. BMP had to manage a wide range of issues due to parking on Brigade road. They had to combat the daily pressures of modern life and still maintain quality of service to the public. They realized that it requires manpower as well as mechanized support to perform this function efficiently

C) **Project planning & implementation:** BSEA had undertaken surveillance to determine parking patterns in view of location of offices, cinemas and restaurants to asses the nature of parking users. It also sourced different parking solutions and then presented options for the BMP to examine. BSEA came forward to make investments in getting the parking meters and installing them on Brigade Road with an investment of approximately 38 lakhs. BMP agreed to enter into an MOU with BSEA for the pay and park scheme on brigade road. A standard memorandum of understanding with the BOT partner was drawn up along with the working of an amortization schedule for the period of MoU. This was done after working out rates for parking, hours of parking, O&M costs including salaries for staff engaged for on- street supervision.

D) **Post project impact**
   i) Disciplined parking system
   ii) Statically data on revenue generation and the number of vehicle parked per day is maintained
   iii) Increase in track occupancy has resulted in revenue generation iv)
   Prevents vandalism
   v) The revenue generated is three times more than before

E) **Functioning of the Parking System**
   i) Park the car in the bay, punch the vehicle number, insert coins of values depending on the parking duration into the meter, obtain a parking ticket.
   ii) Punch in the license number, data, starting time and ending time
   iii) Leave the ticket inside the car on the windscreen
   iv) If the ticket is not placed in the car or if the time slot has exceeded, traffic police will tow the vehicle and fine of Rs 500 will be levied

v) There is no manual access to the money collected. The system works with a canister, which is attached to the machine to draw money. The canister has a security lock, which can only be accessed by an authorized person when the canister is attached to the machine.

vi) The machine gives a print of the amount withdrawn and the previous withdrawal therefore there is total transparency in the revenue collection.

F) Financial involvement

i) Brigade Road with an investment of approximately 38 lakhs.

ii) The 50% revenue generated will be given to BMP and rest 50% issued by BSEA for maintenance of parking meters