

## **SMS Based Car Parking System**

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Due to the proliferation in the number of vehicles on the road, traffic problems are bound to exist. This is due to the fact that the current transportation infrastructure and car park facilities developed are unable to cope with the influx of vehicles on the road. In the present system drivers cannot obtain information on parking space availability until they reach the car park. To alleviate these problems, an SMS based car parking system has been developed.

With the implementation of the SMS based parking system drivers can easily locate and secure a vacant parking space at any car park deemed convenient to them. Vehicle ingress and egress are also made more convenient with the implementation of hassle free SMS based reservation authentication and payment mechanism. SMS based car parking system provides information about available parking spaces via SMS. In this way, drivers can obtain information on parking availability, while reserving a parking space. Information on parking locations, space reservation, and regulations can be obtained via GSM technology.

Key words: Traffic, GSM technology, SMS