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**King Fahd University of Petroleum & Minerals**  
**College of Computer Sciences & Engineering**

**Department of Computer  
Engineering**

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**COE 400: DIGITAL SYSTEM DESIGN(1-6-3)**

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**Pioneers**

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**Project Statement**

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## **PROJECT**

Automotive Monitoring System

## **PROBLEM**

Vehicles are an essential part of our life; however they are not well monitored. In particular they are not well equipped with monitoring systems that be used to check for security concerns and/or break-ins. The system should provide full monitoring of the car and its surrounding sends messages to owner. Owner could control the system remotely using SMS commands. Also it has a warning system in case of vandalism or accident.

There are many systems which provide some intelligence in detecting the surrounding cars and communicate with them. It will be fantastic to have such feature.

In addition the car system should be will integrated with the parking system to make reservations and access.

Possible authentication of the driver through SMS is likely to be added as feature.