Problem Statement:

These days, almost all the urban areas have no parking zones spread all over the city. Many people are not aware of the various rules and regulations that are imposed by the local traffic authority and unknowingly violate the traffic rules by parking their vehicles in no parking zones.

Having ones vehicle towed or being fined heavily by the local traffic authority has been experienced by almost every individual. So the system aims towards solving this problem and providing an important utility for the consumer.

Application of Proposed System:

Go Parking is an Android based Application that provides service to the Android users. This application will help the users to identify No Parking areas based on their current location. If the user is planning to park his/her vehicle in a particular street then using our application, he/she can be made aware if the street is a No-Parking zone. This will help the users from getting their vehicles towed. Thus, it will also help to reduce traffic congestion.

The main purpose of this app is to make the user aware of the No-Parking zone in their vicinity. Thus, it would save them all the trouble and harassment that is caused because of getting their car towed.

Approach/Methodology:

The project "Go Parking" is spread over the following phases which will be implemented gradually:

- **Phase I - Research:**
  - Market Survey: Research on existing application.
  - End-User Requirements: Taking a survey from consumers and analyzing the features which they would wish to see in the future applications.
  - Feasibility study.
- **Phase II – Designing:**
  - Creating a prototype for the proposed system.
  - Studying Google Map Services which can be integrated.
  - Designing a basic User Interface.
- **Phase III – Implementation:**
  - Collecting data manually from concerned R.T.O. offices.
  - Creation of Database.
  - Implementing the data collected.
- **Phase IV – Optimization & Testing:**
  - Optimization of database.
  - Optimization of user interface, making it more users friendly.
  - Testing:
    - White Box Testing.
    - Black Box Testing.
    - Real Time Testing.

Hardware/Software Requirements:

- Any Android Based Smartphone running Android 1.5 or higher.
- 256MB RAM or Higher.
- 667GHz Processor or Higher.
- At least 50MB free space or higher.
- Active Data Connection or Wi-Fi.
- GPS Supported Smartphone.

Proposed Project Schedule:

- Implementation of Phase I & Phase II by semester 7.

- Implementation of Phase III & Phase IV by semester 8.