

## Group Name: 4F

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Smart Car:

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Surveillance System

# Introduction

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- This system records every vehicle number plate that enters and leaves the city.
- The authorities will be able to search a vehicle mainly based on its vehicle number plate.
- There are at least one camera at every entry, traffic light and exit of a city.
- This system will alert the police and send the latest location of the vehicle if a **suspected/stolen** vehicle is detected.



# Problem Statement

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- Vehicle theft happens often and is hard to recover since there are too many vehicles on the road and would be more difficult if the thief tries to change the vehicle plate.
- The traffic flow of a city is very high and the law enforcements are unable to keep track of all car and discover the suspected car.

# Methodology

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- There are three situations in which vehicle theft detection may occur which are:
- a) Given a short amount of time, vehicle with identical number plate appear at two different locations.
- b) The car plate is within the stolen car plate database.
- c) Unregistered Car that appeared in the city