1. **Report No.1 Introduction**
2. **Project Information**
3. **Introduction**
4. **Current Situation**

When participating in traffic, vehicle owners is required to have compulsory insurance. Therefore, vehicle owners buy insurance from insurance companies or its agents. They pay insurance premium by cash or buy from website and receive an insurance certificate with a term of one year, the term can be shorter in some specific situation. When their insurance out of date, they must buy a new insurance, old certificate will be useless. Traffic police will read insurance certificate to check traffic participants.

1. **Problem Definition**

Below are disadvantages of current situation:

- **Forget insurance’s expired date**: Vehicle owners usually keeps their insurance certificate in wallet or somewhere on their vehicle. However, except in cases of necessity, people are not often check their insurance so they could forget its expired date. An expired insurance is not good while it be revealed by traffic officers and could get worse in case of traffic accident.

- **Hard for traffic officers to check and verify insurance**: Traffic officers must read insurance certificate to check and verify vehicle owner’s information. It can be difficult and hinder their work in some cases as at dark or handwriting illegible on insurance certificate.

**- Insurance certificate made of paper:** It could be torn, wet, smudged and especially is counterfeited.

**- Difficult to track and manage number of traffic violations and collisions:** In current scenario, insurance companies almost impossible knows vehicle owner’s history to adjust their insurance policy.

1. **Proposed Solution**
2. **Functional Requirements**
3. **Role and Responsibility**