1. **Report No.1 Introduction**
2. **Project Information**
3. **Introduction**
4. **Current Situation**
5. **Problem Definition**
6. **Proposed Solution**

The proposed solution is to build an insurance NFC card system, include a web application and a mobile application with following functions:

**5.1 Feature functions:**

* Web application:

+ User can register and renewals the insurance using online payments.

+ User can check card information.

+ User can request compensation.

+ Staff can create/manage contracts.

+ Staff can resolve compensation requests.

+ Notify the insured one when their insurance is expired.

* Mobile application:

+ Check specified Motor Insurance Card expired or not.

+ Update the punishment of violator.

**5.2 Advantages and disadvantages:**

* Advantages:

+ The interaction between the insured one and the insurance company.

+ Reduce fake insurance card.

+ Support police to check valid card easier.

* Disadvantages:

+ An android device with internet connection is required.

1. **Functional Requirements**

Function requirements of the system are listed as below:

* 1. **User component:**
* Check card information.
* Renew contract.
* Request compensation.
  1. **Staff component**
* Manage contracts.
* Resolve compensation requests.
  1. **Traffic police/ Police Department** **component:**
* Check card validation
* Update punishment information
* Retrieve card information
  1. **Notify component**
* Notify contract expiration
* Notify compensation states (approved / rejected).

1. **Role and Responsibility**