**Software Requirement System (SRS) for**

**Violation System**

1. **Introduction**
   1. **Purpose**

our app, which is Violation System is made in intends of helping the guards and Disciplinary Office (DO) in regards of recording students who violate the school rules because we see writing on paper is a tedious works.

* 1. **Document Convention**

Font used: Arial

Font size: 14

* 1. **Intended Audience and Reading Suggestions**

This document will also help our users especially stakeholders to understand our system better and how the system works. Not limited to those 2, this document will also serve as a guide for the developers regarding the projects.

* 1. **Product Scope**

Violation System is an app where you record student violations direct straight to the system instead of doing tedious works such as writings student details and their violation then report it to DO then DO officer will put the record on the documents.

* 1. **Reference**
* **A Proposed Offense Monitoring System with Notification via SMS**

This proposed system is for the DO (Discispline Office) of STI College Novaliches where they will be the ones who will monitor the students' offenses, their statuses, and sanctions.

This system will also send a notification via SMS (Short Message Service) directly to the parents of the student if they get a major offense or excessive number of violations.

* **OSPS OFFENSE MONITORING SYSTEM**

OSPS Offense Monitoring System is a system that monitors or records the offenses of each student enrolled or studying in CIC (College of the Immaculate Conception).

This system aims to make it easy in monitoring the offenses of each student.

1. **Overall Description**
   1. **Product Perspective**

Violation System is aimed toward APC Guard and Disciplinary Officers because they are the one who’s responsible in recording student’s records such as violations. Not limited to DO and guards, but school board members such as professor and DEAN can also access the records for reference. Since our aim is to remove the tedious works of writing the violations slip, Violation System should be User-friendly and can be operated with a few clicks and easy to learn.

Violation system should run on android system and will depended on the Software the developer use whether the software is discontinued due to various reasons or not.

* 1. **Product Functions**
* DO - (Highest Privilege) (Can Create/Edit/Archive/View all violations including issued by other)
* GO and Program Director (Can Create/Edit/View all violations including issued by other) but not Archive
* Proffesors and Guards (Can Create/Edit/ View violations only issued by them)
* Students (Can only view violations issued to them)
* Log In / Multiple User Privileges /
  1. **User Classes and Characteristic**

The user of our app should know how to operate an android application and android based device or at least be familiar with it, since our applications are running on android devices.

Even though our application focus is DO officers and APC guards, that doesn’t mean school board members are limited to only viewing the records only. School board members also have access to edit it but only DO have access to archive it, since they are the one and only who’s responsible regarding student violation.

* 1. **Operating Environment**

This application will run on any device that runs on android. The developers are going to use swift and android studio to develop the app. And will use photoshop or such in order to design the user interface. The device that is using the application must have access to internet connection in order to upload the data to the system.

**System Requirements**

|  |  |
| --- | --- |
| Android version | KitKat and Above |
| RAM | 2GB |
| Storage | 100 MB available |
| Internet Connection | Yes |

* 1. **Design and Implementation Constraints**

1. Since APC guards needs to upload the data and the violation details of the students to the system, means our app needs internet connection in order to operate it.
2. The Roles also needs to be assigned manually. Means if you’re a DO officer, you need to assign yourself as DO in order to gain privilege of DO role, such as archive, view, and edit the violation database in our app and system. It will not be automatically assigned because we have no control on who’s using our app and how many school board members are using it.
3. For the meantime, our app can only be used and only support within APC territory, because (1) it’s our school, means we have no problem to test run it with APC school board members (2) other school have strict privacy regarding outsiders and they might bring privacy issues if we want to test it in other school and lastly (3) we can’t run our app outside APC territory without making a partnership with said school.
   1. **User Documentation**

None yet for now

* 1. **Assumption and Dependencies**

Based on our observation of everyday life in APC, we can safely assume we might not be able to run test the app because of technical issues such as (1) APC might not give us greenlight to test this because we’re playing with database and data of APC students in general. And since APC uphold privacy above all else, there might be delay or the developers needs permission from the IT head of the school. (2) so far, APC didn’t give or provide gadgets to guards within the school. And since we’re making an app, means we need the medium, Ex: tablet or the like in order to test run it. Based on this observation, its safe to assume that we might not be able to give output or results and how our app works. And its unethical to ask the APC guards to install our app on their personal device, because first of all, this school uphold privacy highly means they are very strict about personal privacy. And secondly, we believe that APC will not ask their school board members to use their personal belongings for school gains or for the sake of the school.

1. **External Interface Requirements**
   1. **User Interface**
   2. **Hardware Interfaces**

Since the developers only develop a software only without designated hardware, means it does not have any hardware interface either. All the process such as storing data, users’ profile etc. done within the application

* 1. **Software Interfaces**

the users will input the violations records into the system and the application will automatically upload the data to the system/server, which then can be accessed by the school board members in order to view the records or for the DO to archive the records.

* 1. **Communications Interfaces**

The communication between our application and internet connection is important since the application depended on the internet in order to operate properly.