

**TRAFFIC VIOLATIONS MONITORING AND PROFILING SYSTEM FOR THE
TRANSPORTATION MANAGEMENT AND TRAFFIC REFULATION OFFICE
(TMTRO)**

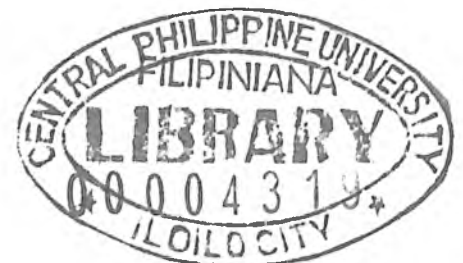
A Capstone Project
Presented to
The Faculty of the College of Computer Studies
Central Philippine University

In Partial Fulfillment
Of the Requirements for the Degree of
Bachelor of Science in Information Technology

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March 2014



ABSTRACT

This study was conducted to design and develop a Traffic Violations Monitoring and Profiling System for the TMTRO in the City of Iloilo. The purpose of this study is to computerize their system. We use the Net Beans as our software to develop this system and SQL as our database. The computerized system was capable of printing output data, manually processed by the clerk. The system was designed to generate reports without exerting too much time and effort, make computations fast, accurate and easy to search the desired transaction or information that has been encoded to the system. This study also includes developing an applet for the mobile phone used by the traffic aide and can print a TOP slip using a Bluetooth printer.

The mobile phone has its own data store using micro SD card, where every successful transaction made by the traffic aide is stored. Through this memory card, the office clerk can migrate all the data to the system. The data are stored in the database to record the violator's profile and violations committed. Reports could be easily generated for the daily payment transactions. This system provides reliable and accurate information for processing TOP and respective traffic violation penalty charges.

Based on research and study conducted, the research team concludes that the Traffic Violations Monitoring and Profiling System would greatly benefit the TMTRO of Iloilo City. If the system would be fully integrated to the daily tasks of TMRO personnel, maximum efficiency could be reached at work.