

PASSWORD PROTECTED VAULT WITH SMS ALERT

A Design Project
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Ramon Magsaysay Technological University
Main Campus, Iba, Zambales

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Of the Requirements for the Degree
Bachelor of Science in Computer Engineering

by
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Republic of the Philippines
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INSTITUTE OF EVENING OPPORTUNITY PROGRAMS
Iba, Zambales



The study hereto attached entitled

PASSWORD PROTECTED VAULT WITH SMS ALERT

has been prepared and submitted by **DENNIS L. EDULAG, REXIE M. MANALO** and **EDRIAN C. SANTOS**, who are hereby recommended for oral examination on March 22, 2012.

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ABSTRACT

Security is a prime concern in our day to day life. Everyone wants to be as much secure as possible. An access control for doors, safes or vault, even windows, forms a vital link in a security chain.

The researchers' have been challenged to build something that could be very helpful to us and to others in fighting or somewhat prevent those criminals from practicing such things. So the researchers' observed our surroundings to figure out what is the most typical crime that usually happens in our community nowadays.

And after such observations, the researchers' all come up with the idea that "Robbery" and "Theft" is some of the leading crimes that criminals usually practices these days. Maybe because poverty pushes some of our countrymen to perform this kind of things, but whatever the reason is, stealing someone's personal belongings is still illegal and considered as a crime.

And because of that, the researchers' decided to build a Password Protected Vault with SMS (Short Message Service) Alert considering the fact that Cellular Phone had been an important necessity to each and every one of us in our daily lives nowadays. It offers high security to the owner of the vault rest assuring that his valuable things such as jewelries, gadgets or money are safe whenever and wherever he is.

Password Protected Vault with SMS Alert can be use in the prestige Institution of Ramon Magsaysay Technological University or any government or private institutions, Banks, Companies and the Authorities such as the NBI and PNP as their main security system for important or confidential files and documents, or money

The device was subjected for improvement, regarding with the use of Back-Up Battery to ensure the effectiveness of the system, in case of power outage.

The vertebra of the study was the record of the Philippines as the TEXTING CAPITAL of the world, which contains the same concept.

Through thorough analysis and study with the proposed system, the researchers is able to prove that by adopting Password Protected Vault with SMS Alert, the universal use of mobile phone can be improved in terms of security and reliability.