MAILBOX ALERT SYSTEM

GLOSSARY

Version 1.0

Revision History

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| 23/01/2017 | 1.0 | Glossary Document Initial Release | K.Sriram  (1401225)  N.Vignesh  (1401247)  J.Sachin Fernandez  (1401265) |
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Glossary

# Introduction

The purpose of this glossary document is to collect, analyze and define high-level needs and features of the Mailbox Alert system. It focuses on the capabilities needed by the stakeholders, and the target users, and why these needs exist. The details of how the mailbox Alert System fulfils these needs are detailed in the use-case and supplementary specifications.

## Purpose

To aim to design a device for automatically detect the letter which is fed into the letter box and intimate through Short Messaging Service (SMS).

## Scope

This Vision Document applies to the mailbox Alert System, which will be developed by SVS Company. SVS Company will develop the mailbox Alert System based on the domain of Embedded System using ARDUINO. This Project presents a device to detect the letters in the letter box and to alert the resident through SMS.

## References

* “The Arduino source code”. The Arduino source code.
* Programming Arduino: Getting Started with Sketches; Monk Simon; 162 pages; 2011; ISBN 978-0071784221.

## Overview

This Project presents a device to detect the letter and to alert the resident through SMS in case of any letter has been received by the Embedded System Concept in Arduino UNO.

# Definitions

## A Term

GSM - Global System for Mobile Communication.

IDE - Integrated Development Environment.

## Another Term

Not Specified

## A Group of Terms

### <aGroupTerm>

The device is controlled by the Arduino device and is connected to the Photo resistor.

These are inter-connected to by a circular fashion between Arduino UNO, photo resistor and GSM module.

Once when there is any change seen in the sensor of the photo resistor, the change of signal is transmitted to the GSM module, which sends an alert to the Contact that is tagged with the module.

### <anotherGroupTerm>

PHOTORESISTOR –Photo resistors also exhibit a certain degree of latency between exposure to light and the subsequent decrease in resistance, usually around 10 milliseconds.

GSM MODULE – GSM networks operate in a number of different carrier frequency ranges (separated into GSM frequency ranges for 2G and UMTS frequency bands for 3G), with most 2G GSM networks operating in the 900 MHz or 1800 MHz bands. Where these bands were already allocated, the 850 MHz and 1900 MHz bands were used instead (for example in Canada and the United States). In rare cases the 400 and 450 MHz frequency bands are assigned in some countries because they were previously used for first-generation systems.

## A Second Group of Terms

### <yetAnotherGroupTerm>

First Priority for this project is Photo-resistor which detects whether a letter is received or not.

The signal is been send by photo resistor to GSM Module and sent to the resident.

### <andAnotherGroupTerm>

No additional product group term is needed