PROJECT REPORT

ON

**Title of system**

PREPARED BY: GUIDED BY:

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**CERTIFICATE**

This is to certify that the project on **INTEGRATED SECURITY AND SAFETY SYSTEM** and term work carried out in the subject of Term Project is bona fide work of **SHAH RUTVIJ PRITESH (EC-77)** of B. Tech. semester V in the branch of **Electronics & Communication**, during the academic year **2019-20**.

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**ABSTRACT**

The purpose of this project is to provide cheap and reliable safety and security to common people. We aim to provide security from theft and from strangers who approach your home. We also aim to provide safety from fire as well as safety for firemen rescuing us.

Our system consists of four independent yet interconnected modules. Individually they can be used to perform their designated tasks, while together they form one of a kind integrated system. Each module is simple to install and easy to use. We made this system as a integrated bunch of different basic circuits and practically tested them to confirm their smooth operation.

Our system can be used as a whole to bring security and safety to a building, house, factory, etc. While the individual modules alone have even a wider application. The anti-theft can be used to even secure belongings instead of just a door. The fire alarm meant to be fitted in our houses can be used even in vehicles, rockets for the same purpose. Person Counter can be used in a car parking lot for automatic counting of cars present. Thus our modules and the system have many applications.

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**3) Title of product**

* 1. **INTRODUCTION**
* **Inspiration:**

* **Aim:** 
  1. **BLOCK DIAGRAM:**

Power Suppl

Switching Circuit

Loop

Alarm

&

Circuit Indicator

* 1. **CIRCUIT DIAGRAM AND PCB LAYOUT:**
* **Circuit Diagram:**
* **PCB Layout:**

Top View:

Bottom View:

* 1. **CONCEPT AND WORKING:**
  2. **COMPONENTS:**
  3. **CALCULATIONS:**
  4. **APPLICATIONS AND FUTURE WORK:**

**Applications:**

**Future Work:**

**3.8) LIMITATIONS:**

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