VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"Jnana Sangama" Belagavi – 590 010

PROJECT REPORT ON

"ANTITHEFT SENSOR CONTROLLED HOME SECURITY SYSTEM"

Submitted in partial fulfillment of the requirements for the award of degree

BACHELOR OF ENGINEERING
IN
ELECTRONICS & COMMUNICATION ENGINEERING
Submitted By

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CERTIFICATE

*Certified that the project work entitled "***ANTITHEFT SENSOR CONTROLLED HOME SECURITY SYSTEM***" is a bona fide work carried out by*

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in partial fulfillment for the award of BACHELOR OF ENGINEERING in **ELECTRONICS & COMMUNICATION ENGINEERING** of the **VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI** during the year 2019–2020. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the Bachelor of Engineering Degree.

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ABSTRACT

In day today life security plays one of the most significant role in the different fields which are commonly utilized for home security reason. As the security system has reached its level high in different aspect. Applications, for example, distinguishing unapproved passage into home, ventures, labs which made requirement for financially savvy home security framework. This framework comprises of 89S52 microcontroller board, IR sensor module, Remote camera to catch the picture of an individual, Vibration sensor on the off chance that somebody attempts to break the entryway or glass of the home, Micro switch, ASK transmitter and collector, Vicinity sensor which is utilized to detect the unapproved section, LCD to show the subsequent status and GSM module for the correspondence such sending message and missed call to the client and close by police headquarters in any crisis.

The user is notified by sending a simple text message or Short Messaging Service (SMS) which indicates the type of threat or problem detected by the sensors. This SMS is sent to the registered mobile number stored by the user at the time of installation. There is a connection between the microcontroller and the Global System for Mobile Communication (GSM) modem for sending the message to the owner. The aim of this project is to design an embedded system for remote monitoring of the domestic environment. Nowadays remote monitoring the domestic necessary for safety and security purpose, which also help us to know the environmental status of the home. The environmental parameters inside the home, unauthorized entry and illegal activities in the home can be detected using respective sensors, unauthorized entry and the sensed data are then transferred to the receiver with the help of transmitter, the output of receiver is interfaced to microcontroller and to GSM modem, which is installed on specified system to send SMS to authorized person and to display on LCD.

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