ADVANCED ATM CRIME PREVENTION SYSTEM

A Project report submitted in partial fulfillment of the requirements for the award of degree of

BACHELOR OF TECHNOLOGY

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted by

T.SITARAM

Regd.No.16815A0441

B.SOMESWARARAO

Regd.No.16815A0403

P.RAJU

Regd.No.16815A0429

P.RAM KUMAR

Regd.No.16815A0430

Under the guidance of

Mr. R.PRASAD RAO M.Tech., (Ph.D)

ASSOCIATE PROFESSOR

DEPARTMENT OF

ELECTRONICS AND COMMUNICATION ENGINEERING

AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Accredited by NAAC, Approved by A.I.C.T.E, Affiliated to J.N.T.U. KAKINADA)

TAMARAM (P.O), MAKAVARAPALEM (M.O), NARSIPATNAM (R.D)

VISAKHAPATNAM DISTRICT-531113

2016-2019

AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Accredited by NAAC, Approved by A.I.C.T.E, Affiliated to J.N.T.U. KAKINADA)

TAMARAM (P.O), MAKAVARAPALEM (M.O), NARSIPATNAM (R.D)

VISAKHAPATNAM DISTRICT-531113

DEPARTMENT OF

ELECTRONICS AND COMMUNICATION ENGINEERING

BONA FIDE CERTIFICATE

This is to certify that the project entitled " **ADVANCED ATM CRIME PREVENTION SYSTEM**" in partial fulfillment for the degree of Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING at AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY, MAKAVARAPALEM, VISAKHAPATNAM is an bona fide work carried out by **T.SITARAM** (16815A0441), B.SOMESWARARAO (16815A0403), P.RAJU (I6815A0429), P.RAM KUMAR (16815A0430) under the guidance and supervision during 2016-2019.

PROJECT GUIDE

Mr. R.PRASAD RAO M.Tech.,(Ph.D)

Associate professor

HEAD OF DEPARTMENT

Mr. E.GOVINDA M.Tech., (Ph.D)

Associate Professor

EXTERNAL EXAMINER

ABSTRACT

The Idea of Designing an Advanced ATM Crime Prevention System is born with the observation of ATM crime incidents happening around the world. Whenever robbery occurs, MEMS sensor and vibration sensor are used here which senses movement and vibration produced from ATM machine. This system uses ARM controller based embedded system to process real time data collected using the MEMS sensor and vibration sensor. Once the movement/vibration is sensed the voice announcer will occur from the speaker. DC Motor1 is used for closing the door of ATM. DC motor2 is used to leak the gas inside the ATM to bring the thief into unconscious stage. Send a message and location to the nearest police station by using GSM and GPS. This system will prevent the crime and the person involving in crime can be easily caught.