A Project Report on

ALLIGATOR

Submitted in partial fulfilment of requirement

For the award of the degree

MASTER OF COMPUTER APPLICATIONS

Of

PES University

By

Mr. VIJAYKUMAR R PAI

(PES1201702013)

Mr. AYUSH PRATYAY

(PES1201702164)

Mr. CHINMAY PRAJAPAT

(PES1201801858)

PES UNIVERSITY

100 Ft Ring Road, B.S.K 3rd Stage, Bangalore-85

2019

PES UNIVERSITY

Department of computer applications

100 Ft Ring Road, BSK 3rd Stage

Bangalore 85

2019

C E R T I F I C A T E

This is to certify that the project entitled **ALLIGATOR** is a bonafide work carried out by **VIJAYKUMAR R PAI (PES1201702013), AYUSH PRATYAY (PES1201702164), CHINMAY PRAJAPAT (PES1201801858)** submitted in partial fulfilment of the requirement of fourth semester course work of MCA during the academic session Jan-May 2019.

Project Guide

Mr. Santosh Katti

Assistant Professor, Dept. of CA

PES University

Chairperson

Dr. Veena S

ACKNOWLEDGEMENT

This project would not have been successful without the kind support and help of many individuals and organization. I would like to extend my sincere thanks to all of them.

I express my deep sense of gratitude to Vice-Chancellor, PESU **Dr. K N B Murthy** and **Dr. Veena S**, Chairperson, Department of MCA for providing the platform and opportunity for IoT Application Development project.

I am highly indebted to **Mr. Santosh Katti,** Assistant Professor, PESU for his guidance and constant supervision as well as for providing necessary information regarding the project and also for his support in completing the project.

I would like to express my gratitude towards my parents for their kind co-operation and encouragement which helped me in completion of this project.

My thanks and appreciation goes to my teammates in developing the project and people who have willingly helped me out in different capacities.

It took 2 months to learn the concepts and develop the project. It is definitely worth remembering those precious moments when new ideas popped up in our minds.

We have worked hard to the best of our abilities and tried not to make any mistakes. If any are found, they are unintended.

Vijaykumar R Pai

Ayush Pratyay

Chinmay Prajapat

ABSTRACT

The objective of the project is to monitor hostile activities in the militarized zone. Therefore, as soon as the camera detects some activity within its range, it starts recording the surrounding area. If it detects some suspicious activity, the camera will start focusing on that particular area under suspicion. The camera will then start running facial recognition software, match with the data stored in the database and check whether the person is hostile or not. If the person is hostile, it will immediately alert the authorities to take necessary actions. All the collected visuals will be stored on the cloud for future reference.

CONTENTS