

# TABLE OF CONTENTS

ABSTRACT .....	i
ABSTRACT .....	ii
TABLE OF CONTENTS.....	iii
IMAGE LIST.....	iv
TABLE LIST .....	v
CHAPTER I.....	1
1.    Introduction.....	1
1.1.    Background.....	1
1.2.    Problem Formulation .....	2
1.3.    Purpose.....	3
1.4.    Issue Limitations.....	3
CHAPTER II .....	4
2.    Methodology.....	4
2.1.    Dataset .....	4
2.2.    MobileNetV2 .....	4
2.3.    Edge Impulse .....	5
2.4.    TensorFlow .....	6
2.5.    Hard .....	6
2.6.    OpenCV .....	6
2.7.    Transfer Learning .....	7
CHAPTER III .....	8
3.    Built System.....	8
3.1.    System Overview.....	8
3.2.    Block System Diagram .....	8
3.3.    System Workflow .....	9
CHAPTER IV .....	11
4.    Results and Analysis .....	11
4.1.    Feature Function Testing .....	11
4.2.    Test Results.....	12
CHAPTER V .....	15
5.    Conclusion .....	15
BIBLIOGRAPHY .....	16
ATTACHMENT.....	19