INDEX

NO	TITLE	PAGE NO
1	Introduction and Problem Statement	1
1.1	Project Summary	2
1.2	Objective of Project	3
1.3	Problem Statement	3
2	Tools, Technologies and Principles used	4
3	Methodology	6
3.1	Training Process	7
3.2	Detection Process	7
3.3	CNN Model Architecture	8
3.4	CNN Model Architecture with Input and Output	9
4	DATASET	10
4.1	Data Set that is used for Training the Model	11
4.2	Dataset Exploration	12
5	Implementation Details	13
5.1	Implementation Details	14
6	Result	18
7	Conclusion	24
8	Future Enhancement	26
9	References	28