

UNIVERSITI TEKNOLOGI MARA

**WHEELCHAIR CRASH DETECTION
SYSTEM**

NUR AQMAL IMANI BIN HASSNOR

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ABSTRACT

There are a lot of cases of disabled persons dying due to lack of assistance. People generally do not notice or pay much attention to the situation of a disabled person in the public eye due to less awareness and lack of attention to how often wheelchair crashes happen. To prevent it from getting worse, a project has been built up with a few extra features. By going through all past projects and research through both online and offline, the main idea of this project has been improved and can be compared by most of the project being discovered. This project might help in notifying others near regarding an accident involving a wheelchair. People of the public can offer help and the victim can receive immediate assistance.

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CHAPTER 1

INTRODUCTION

1.1 Background

The rate of global development in recent years has been astounding. This progress has a favourable effect on both our economy and health. Development also leads to an increase in average lifespan for people. The world's population is ageing as a result of improved health and life quality. Physical impairment is a problem brought on by the ageing population. One of the primary causes of this issue is also traffic accidents. According to the World Health Organization, 10% of the world's population has a physical disability, and the majority of them need a wheelchair for mobility assistance.

By understanding the writing, the main objective in carrying out this project is to warn guardians about the condition of the wheelchair. For example, they can be aware of the situation of the wheelchair when they receive a signal indicating that the wheelchair has crashed.