UNIVERSITI TEKNOLGI MARA

WOWS - WOMEN WEARABLE SAFETY ALERT DEVICE USING GPS AND GSM TECHNOLOGY

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ABSTRACT

Safety alert device has become an arising issue in the past few years with the increasingly statics that woman is being assaulted and abducted every day. Women tend to go silent themselves whenever someone assaulted them and tend to keep it as a secret instead of reporting it to the police. Safety alert device with GPS/GSM has become a thing that matter to women nowdays. Safety alert device with GPS/GSM can help women to alert user surroundings and user emergency contact in emergency situation. Women are exposed in being abducted or assaulted every day. The development of Women Wearable Safety Alert Device GSM/GPS (WOWS-GSM/GPS) is a solution to all women to increase the security in their daily life. This device can alert emergency contact by sending the Short Message Service (SMS) message with the location of the user using GPS tracking module so the message can be sent more quickly after they push the button. This will help the emergency contact to monitor you after the emergency message has been sent. The switch button will help to activate all the sensors when user push it in danger. This device minimizes the amount of response time by alerting the surrounding and the emergency contact, and thus reducing the danger risk.

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CHAPTER 1

INTRODUCTION

This chapter provides the background study of the project and the details about the problem that are faced by women and children in this modern time. This chapter also consists of the aim, objectives and scope that need to be achieve in this project.

1.1 Background of study

Malaysia which seeks itself as a promising super power and an economic hub can achieve its goal if and only if a large number of women get themselves involved and participate in the development process. In today's world, women safety has become a major issue as they can't step out of their house at any given time due to physical/sexual abuse and a fear of violence (IJARECE,2016). The increasing in cases of violence against women are worrying. There are total of 57,519 cases of violence against women reported from 2010 until March 2017(malaymail,2017).

The violence cases included domestic violence cases and criminal cases under the Penal Code involving women as victims such as cases of molestation, incest, rape and unnatural offence(malaymail,2017). There is danger in each town within the world, each corner will have   lurking parts. however, some   cities are considerably safer   than   others,   despite   isolated   incidences,   and this   is often proven by   society's additional vulnerable   like youngsters, girls and   also the senior attesting to being secure in any respect hours in those cities (Praba Ganesan,2016).

Many   women   travel   safely with   none problems.   However,   if you are traveling alone, it is necessary to exercise specific care in crowds, on public transportation, in rural areas, and in isolated sections. Avoid isolated locations and traveling alone when dark. girls might get some unwanted attention from men. Wear garments that cowl your arms, legs, and chest in order to mix in (SafeAround,2018).It is impossible for a woman to ever truly be safe, even if she