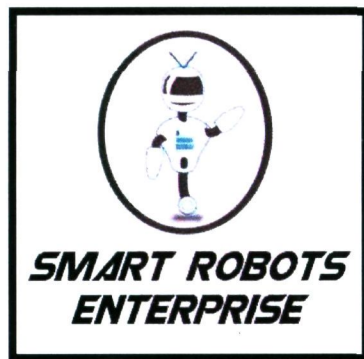




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TECHNOLOGY ENTREPRENEURSHIP

(ENT600)



PRODUCT PROTOTYPE:

ROBODOG

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CHAPTER 1

1.0 PRODUCT DESCRIPTION

1.1 Introduction

Home, the place where we live, sleep, eat, bathe, cook and having quality time with friends and family. But, with lack of security, house that we live are exposed to the intruders, robbers or thieves. So, the team would like to introduce our new innovation for security home system, the 'RoboDog'.

This 'RoboDog' is installed with several features such as Iridium Metal for the whole body of the 'Robodog', six cameras 13MP with night vision. Stereo speaker to produce barking sound, GPS tracking to track position of 'RoboDog', long lasting battery for eight hours, motion sensor to detect the movement of burglary and users can also retrieve information transferred by 'RoboDog' through a mobile application.

1.2 Purpose of Development

The 'RoboDog' security home system is to diminish the burglary at the terrace, semi D house and bungalow areas. This is because the index of housebreaking and theft invariably increased especially during the festive seasons in these areas.

Also, our team wishes to produce a user friendly product and system. There are many cases that involved the wild dog attacks against innocent persons which have no intention of burglary. This is one of the factors that this innovation is made so that only the guilty person is attacked.

Besides that, our team wants to develop a product and system which the muslims user can purchase without doubt as a concern to their beliefs. This is because the muslims need to obey their Islamic religious laws about the issues to keep a dog at home.



1.3 Product Concept

The product concept that our team would like to introduce which is 'RoboDog' is actually related with providing a beneficial service to a customers or users in order to reduce the burglary cases in a desired place.

This 'RoboDog' is utilized with several convenient features that are user friendly and have behavior just like the real dog. This concept is good to be applied as the customers obtain two benefits from this 'RoboDog' which it is not only protect their house but it is also can play with them.

Also, this 'RoboDog' helps to reduce human interference to chase the intruders because this 'RoboDog' has some functions that enable it to go after the criminals as fast as possible. This 'RoboDog' has a similar concept to CCTV but the different is it can record anywhere just like human eyes.

1.4 Product application

There are many applications of this 'RoboDog' which will give benefits to people and also the environment. The basic application of 'RoboDog' is to recognize and record the whole body of the intruders. So, the owner of the house can capture the picture of the intruders through his/her mobile phone. Also, the 'RoboDog' will produce barking sound to warn the burglars and also to signal the house owner.

Besides that, the 'RoboDog' will navigate the owner about the position of the 'RoboDog' and the intruders. Furthermore, it can detect the movement of the thief in the house. Moreover, the 'RoboDog' has a tendency to run to chase the burglars until it caught the burglars. Also, the 'RoboDog' has a rechargeable battery that can last up to 8 hours.