CHAPTER 1

INTRODUCTION

1.1 INTRODUCTION

Project engineering Dual Function Mouse is system will be develop to help and make it easier to computer’s user in doing their activities or work without any disturbing issues. In a meantime, it will reduce time and work performance due to less distraction from existing computers mouse.

Wireless mouse and wired mouse is the examples of peripherals device that control cursor on computers or laptop that contain graphic user interface (GUI) in terms of delivering the output of the system or software. These two types of devices need a medium to transfer data to the workstation that been mentioned above either through USB wired cable or through radio frequency.

The purpose of the project is to combine the function of these two devices into one device and also the battery can be recharge while using the device. This project can help computer users to perform well while doing their work using computers or laptop by reducing the problem. There are several problem that have been faced by computer’s users in term of existing device functioning.
1.2 PROBLEM STATEMENT

The problem issues arise based on user experience with the current computers mouse device either it is wireless or wired. Dual Function Mouse will be developed based on the problem below.

There are 3 problems that’s need to be state accordingly to user experienced.

Wireless Mouse

i. The pointing device stops working after several minutes of use.
ii. The battery is run out of power while using it.
iii. The signal interference distract by others wireless signal.

Wired Mouse

i. The wired cable gets stuck with other things while doing gaming activities which causes you to tug, pull, and reposition the USB cable.
ii. The range is limit by the wired cable.
iii. The user need to roll the cable whenever their moves to another place especially for laptop's user
1.3 OBJECTIVE

The implementation of this project is expected to reach the following objectives:

i. To enhance the existing computer wireless and wired mouse into one device.

ii. To reduce the problem faced while using computer wired and wireless mouse.

iii. To develop prototype Dual Function Mouse using electrical component.

iv. To apply alternative method inside the existing device with additional battery rechargeable function.

1.4 SCOPE

- Can be use in wired and wireless.

- The battery mouse can be recharge while the cable is plug in.

- The wireless range approximately up to 4.5 meter.

- The mouse can be use in wire without batteries in it.