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CHAPTER 1

1.0 PRODUCT DESCRIPTION

1.1 Introduction

The invention of FANtastic consists of human motion detector, temperature sensor and automatic ON/OFF switch. It is a bladeless fan and free from noise. This project developed an automatic fan system where speed is controlled by the room temperature. However, it has dual mode operation which are manual and auto. Furthermore, the invention of smart sensing fan can automatically move by detecting near motion in a certain range.

1.2 Purpose of Development

- To reduce power consumption due to the speed is controlled by surrounding temperature
- To have a lighter yet convenient fan
- To make an automatic moving fan by sensing human motion
- To reduce human's time by having an automatic switch, speed and movement
- To not worry about the safety of consumers since it has no blades

1.3 Product Concept

- To reduce human energy and reduce power consumption by having an automation ON/OFF power
- To replace the traditional fan since it has no blade and increase the safety especially for kids
- To provide a convenient way since the fan itself can move by sensing the motion