



اَوْنِيْوَرَسِيْطِيْ بِاِيْ تِيْكَوْنُوْ لُوْ كِيْ بِاِيْ مَارَا
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(HS2416A)

ENT 600

TECHNOLOGY ENTREPRENEURSHIP

"SOLEMATE"

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CHAPTER 1

1.0 Product Description

1.1 Introduction

- The team is introducing microchip shoes insole that provides information on body temperature, heart rate, calorie burn, insole location, and measuring daily steps during exercising.
- This microchip shoes insole is connected with Bluetooth and also provided with mobile application which functions to detect all the information above.

1.2 Purpose of development

- To allow users to monitor body temperature, heart rate, calorie burn, insole location, and measuring daily steps during exercising.
- We often having problems during exercising by which we cannot manually determine all of the above measurements. Thus, by producing this product we can help users to achieve the ideal exercise.

1.3 Product concept

- For users to monitor body temperature, heart rate, calorie burn, insole location, and measuring daily steps during exercising.
- Enable users to locate microchip shoes insole based on their coordinate.
- To measure daily steps and walking distance

1.4 Application

1.4.1 Functions

- To detect body temperature.
- To detect shoes insole location based on coordinate.
- To calculate calorie burn, heart rate and daily steps.

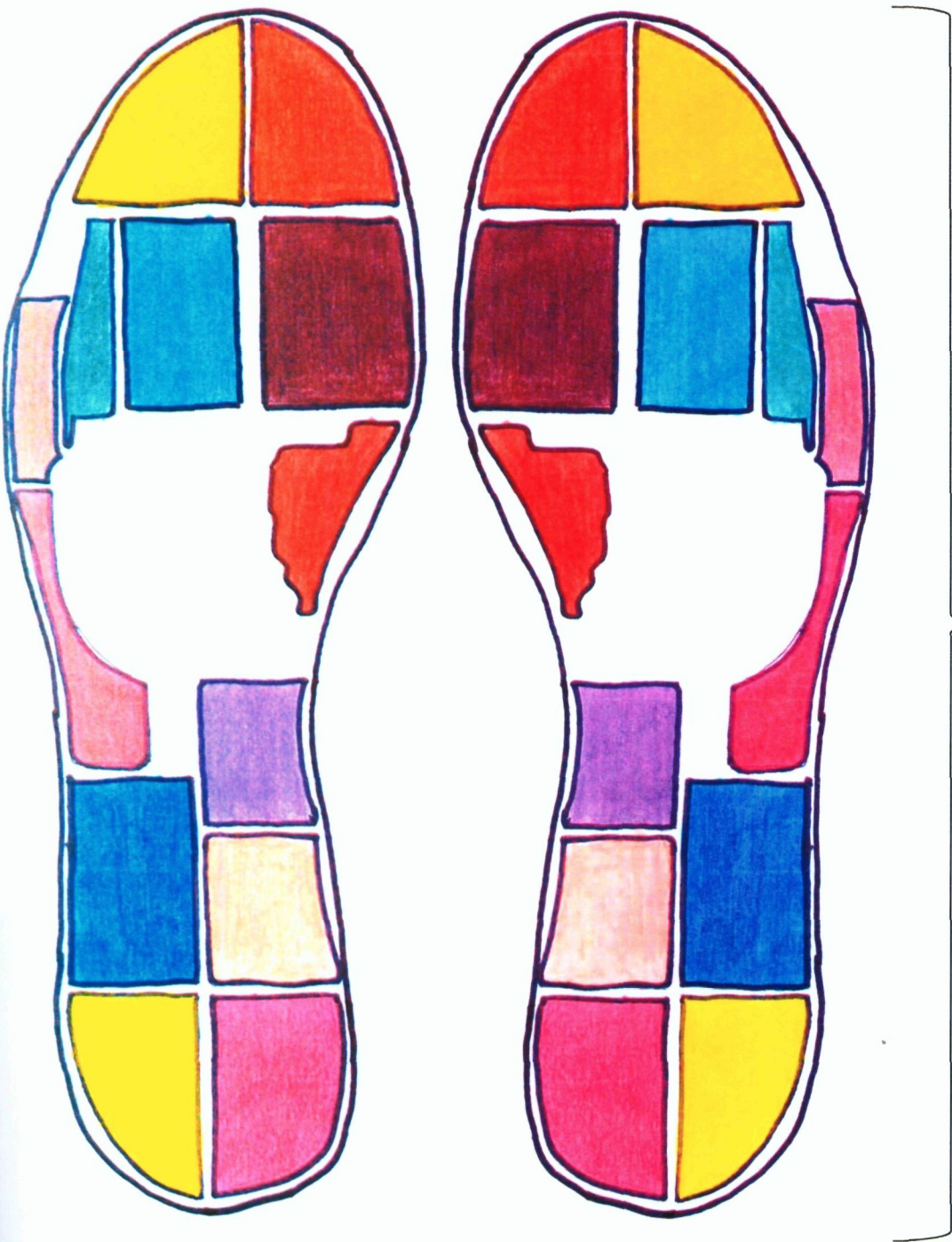
1.5 Unique features

- Detachable microchip shoes insole
- It comes with important features such as temperature sensor, pressures sensor, heart rate sensor and also accelerometer.



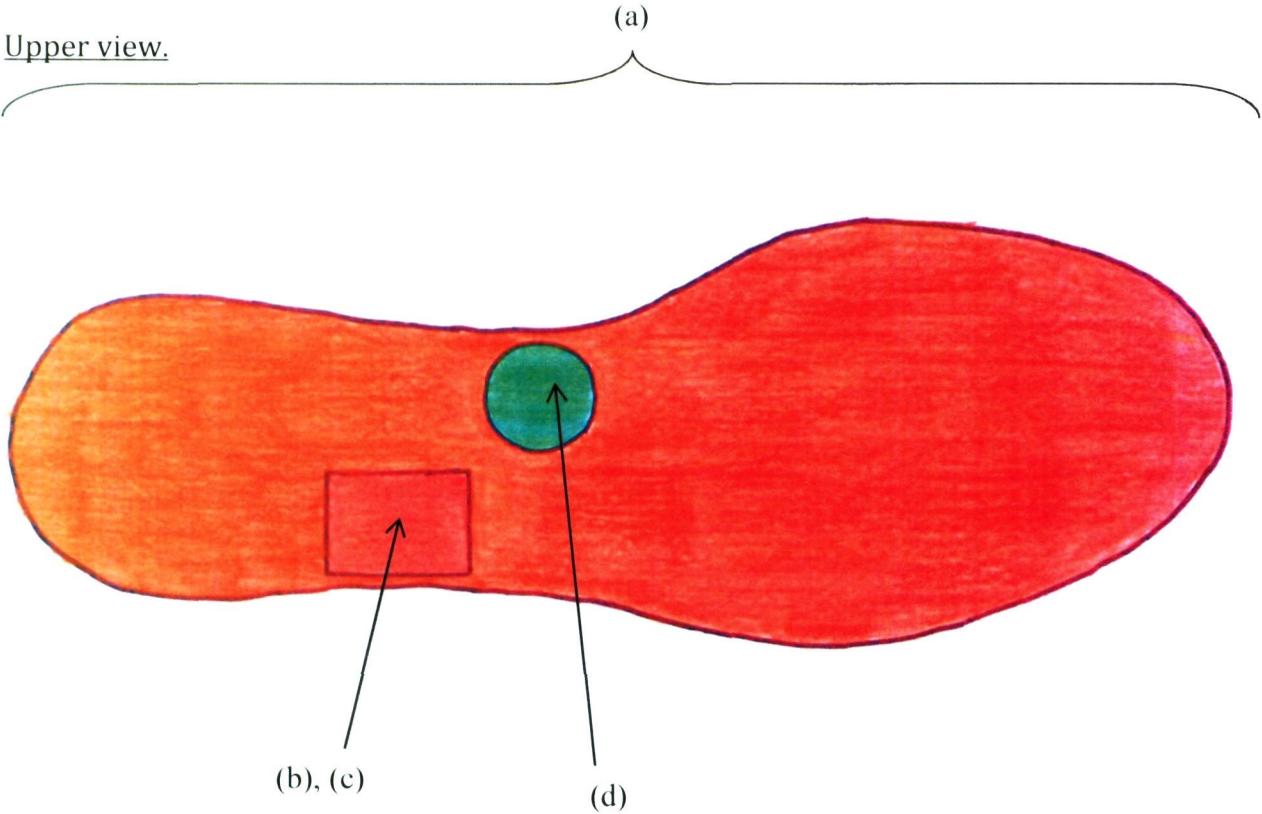
CHAPTER 2

2.1 Overview of Product Prototype
Bottom view



13 PRESSURES
SENSORS





(a)	Microchip Shoes Insole
(b)	Accelerometer
(c)	Microchip
(d)	Battery

