

BLUEPRINT



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UNIVERSITI  
TEKNOLOGI  
MARA

SMART JACKET

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**COMPANY'S LOGO**



# CHAPTER 1

## 1.0 PRODUCT DESCRIPTION

### 1.1 Introduction

The product to be developed is a Smart Jacket. It is commonly observed that most of the citizen wearing jacket for wherever they go. Current weather which are unstable as sometimes it goes with hot sunny days or heavily cold rain. This lead to inconvenience to the citizen as they start practicing on using public transportation.

Thus, the team is developing Smart Jacket, a wearing jacket that convenience for who are wearing Smart Jacket during out of their home.

### 1.2 Purpose of Development

The purpose of the product development are:

- To discover the feasibility of the production of Smart Jacket
- To develop qualities and characteristics of components in Smart Jacket
- To decide about colors, sizes and forms of the Smart Jacket

### 1.3 Product Concept

- For citizen regulate their body temperature based on weather of the day
- For correcting body posture of citizen when sitting down wrongly
- Smart Jacket act as emergency raincoat to citizen during rainy days

### 1.4 Application

#### 1.4.1 Functions

- Body posture corrector – the posture corrector is used to detect wrong back body posture and gently correct back body posture to comfortable
- Body temperature controller – a small controller box mounted inside the jacket which having a spinning knob used to regulate jacket's temperature to desired body temperature of comfortable