



جامعة تكنولوجى مارا  
UNIVERSITI  
TEKNOLOGI  
MARA

**BLUEPRINT OUTLINE  
(ABSOLUTE THERMOS)**

**ENT600**

**TECHNOLOGY ENTREPRENEURSHIP**

**FACULTY PROGRAMME : HEALTH SCIENCES & OPTOMETRY**

**SEMESTER : 07**

**PROJECT TITLE : BLUEPRINT OUTLINE**

**GROUP MEMBERS :**

1. AHMAD SYAHIRR SYAH BIN MOHD ZAINI (2015499962)
2. FATIN HAZIRAH BINTI ABDUL HALIM (2015663868)
3. MARIA ATIRRAH BINTI MAMNOR (2015428986)
4. MUHAMMAD IQBAL BIN ABDUL RAZAK(2015664194)
5. NUR MIZA AQILAH BINTI ABDUL MAJID(2015473962)

**LECTURER : HJH. ZANARIAH**

COMPANY'S LOGO



PINE PINE SDN. BHD.

## **Table of Contents**

<b>CHAPTER 1 .....</b>	<b>3</b>
<b>1.0 PRODUCT DESCRIPTION.....</b>	<b>3</b>
<b>1.1 Introduction.....</b>	<b>3</b>
<b>1.2 Purpose of Development.....</b>	<b>3</b>
<b>1.3 Product Concept.....</b>	<b>3</b>
<b>1.4 Application.....</b>	<b>4</b>
<b>1.4.1 Functions.....</b>	<b>4</b>
<b>1.5 Unique Features.....</b>	<b>4</b>
<b>1.5.1 Picture Descriptions .....</b>	<b>4</b>
<b>CHAPTER 2 .....</b>	<b>5</b>
<b>2.0 TECHNOLOGY DESCRIPTION .....</b>	<b>5</b>
<b>2.1 Overview of Product Prototype.....</b>	<b>5</b>
<b>2.2 Absolute Thermos .....</b>	<b>6</b>
<b>2.3 Protable Charger (High Capacity Battery) .....</b>	<b>7</b>
<b>2.4 Illuminated Lid Indicator.....</b>	<b>7</b>
<b>2.5 Metal plate (Heating System).....</b>	<b>8</b>
<b>2.6 Temperature Sensor.....</b>	<b>8</b>
<b>2.7 Control System .....</b>	<b>9</b>
<b>2.7.1 Digital Screen .....</b>	<b>9</b>
<b>2.7.2 USB Input and Output Port.....</b>	<b>9</b>
<b>CHAPTER 3 .....</b>	<b>10</b>
<b>3.0 MARKET RESEARCH AND ANALYSIS .....</b>	<b>10</b>
<b>3.1 Customer.....</b>	<b>10</b>
<b>3.2 Market Size and Market Share .....</b>	<b>10</b>
<b>3.3 Competition and Competitive Edges .....</b>	<b>10</b>

3.4 Estimate Cost per Unit.....	10
3.5 Expected Cost Pricing .....	11
3.6 Marketing Strategies.....	11
3.6.1 Product.....	11
3.6.2 Price.....	11
3.6.3 Place/ Distribution .....	12
3.6.4 Promotion.....	12
<b>CHAPTER 4 .....</b>	<b>13</b>
4.0 FINANCIAL PLAN.....	13
4.1 Start-up Cost .....	13
4.2 Working Capital .....	13
4.3 Cost of Component per Prototype .....	14
<b>CHAPTER 5 .....</b>	<b>15</b>
5.0 MANAGEMENT TEAM .....	15
5.1 Organization .....	15
5.1.1 Key Management Roles in the Company.....	15
5.2 Other Required expertise.....	15
5.2.1 Career Highlights.....	15
5.2.2 Duties and Responsibilities of Management Team.....	18
5.3 Management Compensation and Ownership.....	21
5.4 Supporting Professional Advisor and Services.....	22
<b>CHAPTER 6 .....</b>	<b>23</b>
6.0 PROJECT MILESTONE .....	23
<b>CHAPTER 7 .....</b>	<b>23</b>
7.0 CONCLUSION.....	25

## **CHAPTER 1**

### **1.0 PRODUCT DESCRIPTION**

#### **1.1 INTRODUCTION**

After initial observation towards the usage of take away cup in cafe or coffee shop, the team has invented the improvised version of the existing thermos flask. The product is Absolute Thermos. Nowadays, consumers are not conscious on the temperature of their drink especially a hot drink; therefore they keep burning their tongue and hurting themselves when trying to take a sip of it. Furthermore, consumers are also unable to enjoy their hot drink when it becomes cold. This product is suitable for consumers of all age.

#### **1.2 THE PURPOSE OF THE DEVELOPMENT**

The purpose of the development are:

- I. To avoid any accident or harm occur when drinking especially hot drinks
- II. To reduce environmental pollution
- III. To reduce the usage of plastic and paper material

#### **1.3 PRODUCT CONCEPT**

- I. For consumer to be more aware on the temperature of the drink before consume it.
- II. Eco-friendly and non-disposable product to avoid environmental pollution.