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**ENT600
TECHNOLOGY ENTREPRENEURSHIP**

‘THERMO CUP’

Lecturer: Madam Rahimah Sarmidy

Class: EE2426A

NAME	I/D NUMBER
ARIFF MUHAMMAD BIN MAT SAAD	2014695838
MUHAMMAD AKHMAL BIN ABDUL TALIB	2014888386
SYAHNUR FITRI BIN MOHD HILMI RAJA	2014463052
MUHAMMAD HAZZIQ BIN R.AZMI	2014409946

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1.0 INTRODUCTION

Nowadays, there are full of technological appliances. As the time progress, more gadgets and gizmos are developing either a prototype or a kick start. As entrepreneur, one must develop a new and innovative product that can give benefit to society. Furthermore, the product also must be able to capture people's attention. The product must be able to solve people's problems and make our daily life easier. Thus, we have a perfect, simple solution yet beneficial to everyone's daily life.

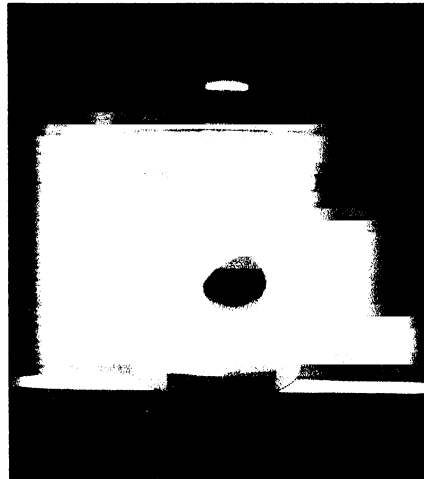
The working environments are so busy. Many people becoming stress due to works they must complete in order to keep surviving. Therefore, they need something that can improve their mood in order to ease their mind. One of the easiest ways to reduce our stress is by drinking a cup of hot coffee. However, without noticing, the coffee got cold faster and cannot maintain its temperature. Or in other hand, during hot sunny day people want to relax their body by drinking cold water. But, the water cannot maintain its coldness in a long period of time. People can't put their drink in freezer if they go out from their house. So, in order to overcome this problem, we have invented a product to ensure people can fully enjoy their lives.

The Thermo Cup is an innovative product that able to help people drink their drinks at their desirable temperature. At people's desire and will, their stress will reduce and ultimately will be more productive and efficient at doing their work. With research and resources pulled, we are able to invent a working, tested and innovative creation that helps people reduces stress, conduct their work efficiently, and maintaining happy attitude by a cup of drink.

Objective

1. To help people cold and heat their own drink at any conditions.
2. Maintain the desire temperature of drink in any situations.
3. Save our consumer time to cold and heat their drink.

2.0 PRODUCT DESCRIPTION



Dimension: 17x6 cm (height x width)

Capacity: 200 ml



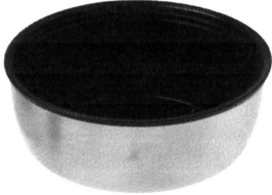
Temperature range: Hot = Up to 80 degree celcius

Cold=Up to 20 degree celcius

Recommendation: During cooling operation, do not put or stored thermo cup at the closed area.
Do not dip into water in long period.

Working Principle:

1. Adjust the knob (black colour) to desire temperature of the drinks
2. Fill the water (if there is no water in the container)
3. Red indicates hot and blue indicates cold
4. Desired temperature will appear on screen
5. Press on to start heating/chilling the water inside the container
6. Press ON button and wait for several minutes
7. Press OFF button to stop heating/chilling process
8. Enjoy the drinks

	<p>Battery: Supply an electrical energy</p> <p>Type: Li-Ion</p> <ul style="list-style-type: none"> • High energy density - potential for higher capacities. • Does not need prolonged priming when new. One regular charge is all that's needed. • Relatively low self-discharge - self-discharge is less than half that of nickel-based batteries. • Low Maintenance - no periodic discharge is needed
	<p>Battery Charger: Used to recharge back an electrical energy to the battery</p> <p>Type: 3-pin plug</p> <ul style="list-style-type: none"> • Safe and fast charging • Light and stable with wide base • Water proof
	<p>Lid: Avoiding any water or vapor gas release out the container</p> <p>Type: Stainless steel</p> <ul style="list-style-type: none"> • Tough • Light