



اَوْنَبُوْرَسِيْتِي تِيْكَنُوْلُوْجِي مَارَا  
UNIVERSITI  
TEKNOLOGI  
MARA

**ENT600 TECHNOLOGY ENTREPRENEURSHIP**

**TECHNOLOGY-BASED BUSINESS IDEA BLUEPRINT**

**PRODUCT:**

**ATTACHABLE IRON CLOTHES**

**FACULTY : FACULTY OF SPORTS SCIENCE AND RECREATION**

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## **1.0 EXECUTIVE SUMMARY**

Attachable Iron Clothes has many benefits compared to others normal iron clothes because we develop some new features which is very efficient on ironing the clothes and laundry on top of we enhance the safety of the products that why we develop this product. Our product has great quality and technology that can give satisfaction to the consumers. We applied some features which could cool down the sole plate of iron so can reduce the injury. Therefore, with our product, it could minimize the time taken to clothes because of the great features. Furthermore, we provide the affordable price with high quality material and long-lasting product so the consumers can use with long time.

We develop this product in order to overcome the problem from previous issue that happen towards parents that have problem with burn effect because of the previous product. By this product development, they do not have to worry about the upcoming problem because we present a great function that will give more benefit to the consumers. Other than that, we implement with interesting design that will attract people to buy our product and easy to use.

Therefore, our objective also to make customer satisfaction with our good service and quantity product. Hence, attract more customers and build a long good relationship with them. The combination the innovation the iron and iron board will give a lot of opportunities between customers and us. This product also has featuring the cooling system in the iron board in order to reduce the time of the sole plate to cool down. Then we start to aim to design portable, simple and easy to carry the device. Besides that, we are also always considering the technical and economic criteria such as functionality, working principle, aesthetic value and the most important is the safety of the product. In our new product development of Attachable Iron Clothes, the reason we design this product with simple and portable because we want to make this product more portable that can easily carry by the customer who want to use it anytime and anywhere like vacation or working.

Other than that, this product also can use for each of the accommodation such as hotels and resorts. This product will give more advantage for every household because it is very suitable and affordable. We are sure that our company's products are being marketed to attract the public and will provide a double benefit to the company because there is always something for everyone needs. This product will move forward as a big electrical appliances brands and compete with other electrical appliances company such as Khind, Panasonic, Philips and others.

## **2.0 PRODUCT/ SERVICE DESCRIPTION**

My product called Attachable Iron Clothes. This product is one of the innovations for improvement in other iron clothes and iron steam that have high of demand and price. This product is available for every household in each country because of this product is the product everyone should have it. Attachable Iron Clothes is the combination of the iron clothes and iron board that have many features such as the sole plate can be removal and safely secure in the iron board that have cooling system. This product is a convenient way to increase the safety of the customer and reduce risk of injury. This attachable iron clothes consists of unique component which we innovate from normal iron clothes. We add new features for this product by including cooling system. This attachable iron clothes could have the cooling system for the iron sole plate. It had the storage to store it after use. Other than, there is a timer for cooling system when they done ironing the clothes then remove the iron sole plate and keep on the storage and it will automatic switch off when sole plate was cooled. Hence, our product also has its own technology patent and we are very sure other companies are unable to produce a product same as this product. This product can compete and expand same as other electrical appliances because the quality of technology and innovation development in this product.



During the product design process, we take design inspiration from the existing normal iron clothe with the combination of cooling system which are attach on the storage at iron board and attachable sole plate. Then we start to aim to design portable, simple and easy to carry the product. Besides that, we are also always considering the technical and economic criteria such as functionality, working principle, aesthetic value and the most important is the safety of the product. In our new product development of Attachable Iron Clothes, the reason we design this product with simple and portable because we want to make this product more portable that can easily carry by the customer who want to use it anytime and anywhere like vacation. This product also can use for the accommodation such as hotel and resorts.

Here is brief information about the Attachable Iron Clothes. They come in with same functioning like others iron clothes but comes out with a new feature. In this product, we can focus on safety and precaution among a big family whom has many kids. Our product design comes with product dimensions, materials, internal components such as mother board and cooling system. This process requires melting materials and setting the electrical components. Different compartment has different electrical compartment which are attachable iron clothes

and iron board with cooling system. Manufacture the body of the iron that have high resistance of heat and the best iron sole plate. This is often done mechanically by engineers or product makers. Then we install the storage at the iron board to keep the sole plate secure and proceed with cooling process. Then, we add the set timer to give the signal to the customer. Before we install all the compartment, the cooling system and safety lock on sole plate and body needs to be tested for safety of the product.

The key part of the attachable iron clothes is electronic. The electronics control the power supply to generate heat towards iron sole plate. The key component is the mother board in the iron board which is the main power supply for cooling system. The iron boards are manufactured by assembling dual stand and the high quality board. On top of that, they also recruited with the set timer in order to set time cooling. Every single compartments will be tested their functionality before we start to undergo packaging the product to sell.

### 3.0 TECHNOLOGY DESCRIPTION

| NO. | TECHNOLOGY   | FEATURES  |
|-----|--|---|
| 1.  | <p>MOTHERBOARD</p>  | <ul style="list-style-type: none"> <li>• Detect insertion of the sole plate.</li> <li>• When there is contact with the surface of the and the switch on, the circuit is open and will turning on the cooling fans.</li> <li>• The measurement circuit will detect the change in the capacitance and converts it into a trigger signal.</li> </ul> |
| 2.  | <p>TIMER TOOL</p>   | <ul style="list-style-type: none"> <li>• The setting timer in order to notify and know the process of cooling is done.</li> </ul>   |