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## **1.0 EXECUTIVE SUMMARY**

In this current situation, people are likely to get involve in entertainment or find entertainment to entertain themselves. It is including of exercising while listening to music. To fulfil the demand, I came out with the idea of Advanced Yoga Mat. I focus on the athletes, sports person and public who get involve in physical activity especially yoga and strength exercise. Therefore, we have designed the product suitable to customer needs. Plus, the Advanced Yoga Mat have many advantages as it can boost our moods and emotions while exercise. It also portable which it comes with waterproof bag. Since the bag that we served is waterproof, so the speaker and the Bluetooth device will not have damage in case the bag expose to water.

Next, it can be used to read the heartbeat and it can be used and suitable for all ages. It has the automatic recorded audio. We are using the high-quality battery and the device are rechargeable. Furthermore, we provide the affordable price with high quality material and provide long lasting product. We also provide a great function of our yoga mat. Other than that, we implement with interesting design which the yoga mat comes with a lot of colors that will attract people to buy.

## 2.0 PRODUCT DESCRIPTION

The design of Advanced Yoga Mat is the only mat that have the Bluetooth device and it has the function of detect the heart reader. As stated, before it has a speaker and the heartbeat reader, the public can improve their health performance by read their heartbeat. The advanced yoga mat with Bluetooth and speaker device and the heart rate reader is such a sustainable quality and contains environmentally friendly materials. They can stream wireless music for up to 4 hours and the battery is rechargeable. The materials are from natural and recycled rubber, jute and organic cotton or natural cotton. The fabric is not treated with synthetic finished during manufacturing. The original rubber is original, and this product has eco-friendly.

As technology evolves with a focus on speed, big data and mobility, the importance of reliable portable power is massive and constantly on the increase. So, this product, use high technology battery which is lithium ion. Lithium ion Li-ion is batteries can be charged hundreds of times, so they are more stable. They tend to have a higher energy density, voltage, and lower self-discharge rate than other rechargeable batteries. As a single cell has longer load retention than other types of batteries, this makes for better power efficiency. This product used 15Ah/15000mah and its nominal voltage is 12v. This battery life cycle is above 500 cycles which it can be rechargeable, and its weight is approximately about 600g. There are 20 colors of Yoga Mat and here is the basic color which are black, white, blue, green, pink, purple and red.



*Figure 1 Advanced Yoga Mat*

### **3.0 TECHNOLOGY DESCRIPTION**

The Yoga Mat that currently available in market is the one which is rubber and PVC. The one which I want to continue is the natural one and not using rubber and PVC. This will make some different from others Yoga Mat. After the idea is ready to generate, I am doing the survey to few respondents which is students and the athletes. Most of them are recommended about putting the wireless Bluetooth that connected to the Yoga Mat itself. Future explanation regarding about this product will be explain later.

Technology visionaries contain creativity as we build new products and methods. We know that we need to continue developing innovation tirelessly to attract more customers using our technology if we are to remain in this competitive field.

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