



SMART AROMATIC ATOMIZER

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1.0 EXECUTIVE SUMMARY

Life in Malaysia has become tougher days by days. However, living in Malaysia is viable. The industrialization of Malaysia has led to development of houses, offices, hospitals, library and more places that need quality or air surrounding. Quality of air is important as it effect a mood of people either he or she will be feeling stress or chill. Nowadays, Malaysian are always busy working to find better income in order to survive. These will lead to stress and as consequences, will affect mental health of person. It is important to ensure that we live in an environment that feels home, cozy, convenient and pleasant.

Smell has the ability to have such a strong effect on our experiences because it is processed in the Olfactory cortex of the brain's limbic system, close to the area in which emotions, memories, and feelings are stored. To put it simply, scents trigger emotional reactions. According to Dawn C. Buse, Ph.D., clinical psychologist in the Department of Neurology at Montefiore Medical Center, "the first time that we experience a particular scent, we associate it with events, people, and emotions of the time." So, when entering a scented room, two things may happen: if the smell is familiar, old memories will be evoked, possibly offering a sense of nostalgia. If the smell is completely new, then new memories will be created.

We had come out with multitasking product that can make your life easier. Our product named Smart Aromatic Atomiser. It is a multi-flavor fragrance for houses, offices, library, studios and more related spaces. The flavors are roses, lavender, vanilla, green apple, ocean blue and fresh lemon. Each flavors of fragrance will comfort persons for various mood. Hence, our product will effect in boosting productivity as it provides good mood condition and calm spaces. Besides, our product built-in camera to monitor the spaces. We added security features in our product as security system is becoming more and more important due to the increasing crime and theft around us. They are able to provide us with video footage, whether live or recorded, within our property. Nowadays, most of people spend their time with their smartphones. Our product will have full access with mobile app for spray fragrance and to access camera. Therefore, the user of product will control the product in distance.

2.0 INTRODUCTION

Problem Statement

In this era of challenges, safety and health is important because our life is priceless. Leaving home without monitoring or guarding can lead to breaking and entering and hence, our valuables will be lost and the worst, our family will be kidnapped or be killed. Besides, as we are busy hustling this world, we have no time to ensure that our house in good odor for unexpected event such as unexpected guesses. For offices, library and studios, it is important to maintain a good odor of the spaces to provide calm mood and can boost up people's mood as well as monitoring for private property. Problem statement;

- To maintain good odor of spaces.
- To provide various of fragrance flavor for different mood.
- To monitor private property for safety and belongings.

Methodology

In order to make this new product development idea work, a lot of searching and data were collected. First, this idea was developed based on the case study report and interview with the manager of InTuNation Studio, Mr Rashwan. From the interview, he stated a few problems faced in his studio which is the air surroundings when crowd too compact. In addition, this 'smart aromatic atomizer' can help his studio monitor private property for safety. This application target market is the one who loves good odor of spaces and concern about safety. The idea also was generated by researching through the internet.

Limitation

Technology is now a big part of our society and our foreseeable future. Technology affects people all over the world, both positively and negatively. Everyone agree that advances in technology have made our countries safer and our lives easier, they have also negatively affected our lives. This system has been introducing and use in overseas but not in our local country. Thus this 'smart aromatic atomizer' is the integration and innovation of the existing system. The 'smart aromatic atomizer' need a smartphone to control and run the system. We can select the favourite flavor of fragrance and watch the closed-circuit television (CCTV) through the smartphone. Smartphone maybe is too expensive device for those who cannot afford to buy or maybe for user like folks.

Besides that, as the system use a smartphone to access it could lead to a major problem. Lack of battery life of smartphone could be the main problem because when the smartphone run out of battery the user cannot select the flavor and cannot watch the CCTV. The system still running but only spray the previous fragrance. To select others flavor of fragrance, the user need a smartphone. In addition, if user want to watch live CCTV through the smartphone, they need at least 20% percentage of battery life. They should make sure their smartphone battery in fully charge. It could be more easy to use for the young and new generation as they were exposed this as they grow up in development of technology.

Another limitation for this 'smart aromatic atomizer' is the user will have problem on replacing the flavor of fragrance. The system will be install on the high place near to the ceiling because it will be easy to spray to all surrounding and the CCTV to recover all place. User maybe need a help from professional technician from developer to replace the flavor due to high place. In term of maintenance, the user need to call the developer because to repair the system. Therefore, in a nutshell, each product has their own limitation. Thus, based on the limitation we could improve it with many more solution to solve the problem. Technology should be used with due care and caution only for the purposed that are of benefit for humanity.