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HOSPITALITY AND TOURISM  
INNOVATION, INVENTION AND CREATIVITY COMPETITION

# Book of Abstracts



FACULTY OF  
HOTEL AND TOURISM  
MANAGEMENT



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## Preface

With the hospitality and tourism market saturated and competitive, combined with the rapidly advancing technology, customers can now easily access products/services from all over the world. Providing top quality products and excellent services can no longer guarantee success and sustainability. The market situation requires constant creation and supply of innovative products and services.

This unique book is a collection of students' innovative, inventive and creative ideas for products/services with commercialization potential, developed for the Hospitality and Tourism Innovation Invention and Creativity Competition. It is with hope that this competition event not only would bring about awareness and cultivate interest but would also encourage, stimulate and motivate students to invest more in innovating, inventing and creating, which is undoubtedly an invaluable resource for academics, professionals, practitioners as well as researchers working in the field of hospitality and tourism.



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## Anti-bacteria travel soap

Keeping hands clean is one of the most important things that many travelers neglect to do when traveling. Germs and viruses can be easily transmitted from person to person with simple action such as shaking hands, handling food, touching doorknobs and touching faces. Hence, hand washing is the most important way to prevent the spread of infections. This anti-bacteria soap in capsule is easier to carry and safer to use as compared to liquid soap, bar soap and paper soap. And the organic ingredients used for this soap are gentle on all skin of all ages. The price of this product is RM15 per pack of 15 capsules, sold online and promoted via social media such as Facebook, and Instagram. This antibacterial capsule soap could be the solution to the new normal of travel where travelers need to stay protected at all time from bacteria, germ and virus.

Keywords: Anti-bacteria, capsule soap, travel

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### Problem statement:

Carrying large hand soap is inconvenient for many; thus resulting in many not to wash hand regularly

### Objective:

Compact and easy to carry hand soap aimed to encourage individuals to always maintain their personal hygiene

### Usefulness:

Ensuring cleanliness of individuals; away from hazardous bacteria

### Novelty:

Made from organic ingredients, unique and ease to hand carry packaging

### Commercialization:

Via online business platforms, social media as well as physical store/ kiosk



## Eco-compressible water bottle: Compressible water bottle that holds two types of drink

Easy to carry water bottle is what consumers on the move want nowadays. This water bottle, made of silicone rubber, is compressible to save space for easy carry and is designed to hold two different kinds of water, which makes it very suitable for people on the go with a need for more than one type of water consumption. In addition, it is heat-resistant, reusable and environmentally friendly. The distribution channels chosen for this product are e-platforms such as Shoppe, Lazada, Amazon and the promotion will be done via social media.

Keywords: Compressible, environmentally friendly, heat resistant, water bottle

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### Problem statement:

There is an opportunity for a space-saving multiple drinks bottle

### Objective:

A space-saving water bottle that holds two different drinks

### Novelty:

Space saving, multiple drinks and heat resistant

700 ml compressible silicone bottle  
Allowing two types of drinks at once



Built-in partition:  
Allowing two types of drinks at once

## F&P spray

People of generation today, some are still having issues feeling embarrassed, or uncomfortable to say the least, with the smell and sound made during the defecation process in public toilets. With an extra special music chip and fragrance spray added, this 2 in 1 product is designed to address these issues. The function of fragrance spray is to provide a fresh-smell and calm environment in the toilet; while the music chip is to produce music to cover any possible embarrassing sound. F&P Spray comes with three different scents: Lala Lavender, Citrus Sea and Vivi Vanilla. F&P Spray is the best friend of public toilet users and the best supplier to the public toilets in Malaysia.

Keywords: Public toilet, music spray

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### Problem statement:

Privacy while performing 'business activity' in public toilet is an issue for all especially when others are around

### Objective:

Provide peace and comfort to users while using public toilet

### Usefulness:

Avoid uncomfortable odor and unpleasant sound during defecation

### Novelty:

F&P spray revitalize surroundings, thus minimizing uncomfortable odor and sound (during defecation process)

### Commercialization:

Potential supply to all public toilets throughout



## All-in-one bag

Backpack is something that many people, especially students, carry with them when out and about. The common things that people put in their backpack are like water bottle, wallet/purse, cards, money, books, makeup, etc. Though convenient and useful, the design of a regular backpack might make it difficult to retrieve the water bottle, the cards, or money easy and fast enough when needed. All in 1 Bag is created to address these issues. With a pouch added to each of the two shoulder straps, the backpack carrier can use them to hold things frequently used, such as water bottle, cards, or even a small amount of money, and retrieve them easily and fast when needed. This backpack is particularly useful for people who use public transport. With both online and physical shops as the planned distribution channels, hope this product would be accepted in the market and reach a wide range of consumers.

Keywords: Backpack, bag with pouch, convenient

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### Problem statement:

Time and effort to search for items stored in a bag is a challenge for many

### Objective:

Provide a simple solution to retrieving items without taking off backpack



### Usefulness:

Saving time and energy, and ease retrievable small items via add-on pouch



### Commercialization:

Potential users may include and not limited to students, and travelers

## Magic mask: A face mask for easier work

Nowadays wearing a face mask is mandatory because of the COVID-19 pandemic. For women who wear hijab it could be a challenging task to put on both the head cover and the face mask and still feel comfortable going about their business all day. Magic Mask is created to make mask-wearing fast, easy and comfortable. This mask is not only good for women wearing hijab, it is also helpful for children who cannot find the mask of their size and have difficulty tying the mask, as well as for busy people who want to get things done fast. There are three (3) main components of this mask: a specially designed strap, a stainless steel hook attached to the end of the strap, and a washable and reusable mask. As elastic material is used for the strap, the users just need to put the mask in place and hook it on, they would be good to go. In addition to being fast, convenient and comfortable, the mask is also environmentally friendly as the strap is reusable. Affordable is another advantage of Magic Mask. This product is planned to be made available online via social media such as Facebook and Instagram.

Keywords: Face mask, elastic strap, stainless steel hook, women wearing hijab

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### Objective:

Provide faster means to wearing face mask; especially among ladies with hijab



### Problem statement:

Wearing conventional mask is time consuming, uncomfortable as well as challenging especially for ladies with hijab

### Product descriptions:

Face mask with Velcro strap and stainless-steel hook at the back; can be used up to 3 times, comes in adults and kids sizes



### Benefits:

An easy way to wearing mask among ladies with hijab; economical and comfortable

## Smart travel luggage



Traveling is joy and part of life. To make this away-from-home experience as comfortable and enjoyable as possible we need to bring along many important and necessary things which often time cannot all fit into the luggage. In addition to not having enough space in the luggage for all necessary things, travelers are also faced with other issues such as overweight luggage, missing luggage, etc. Smart Travel Luggage is a quality luggage created to overcome these issues and to fulfill the multiple needs of a traveler. Attached with track location (GPS), nametag, digital luggage weight scale, digital clock, rotation wheels, compartmental space and foldable chair, this multifunctional luggage is perfect for travelers such as YouTubers, fashionistas, photographers, high-tech and stylish businessmen/businesswomen, etc. The material used for this luggage is polycarbonate, which contains carbon and it makes the luggage not only lighter than most aluminum luggage, but also scratch resistant and durable. Smart Travel Luggage is original with a very competitive price of RM655. This limited edition luggage, of size 24 inches, comes with 3 different colors: Rose pink, Grey and Dark blue. Smart Travel Luggage is definitely the best choice for enjoyable and worry-free travel experiences.

Keywords: Multifunctional, worry-free travel

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**Problem statement:**  
Too heavy; missing or wrongly exchanged; as well limited space are common issues when using conventional luggage

**Objective:**  
We are designing an innovative luggage that best fits for today's travelers

### Our specialties:



Multiple compartments



360° rotation wheels



Portable chair



Built-in GPS



Digital weight, clock & nametag



Digital security feature

## Fruity oat pancake

Right amount of nutrients is a must for human body. A good breakfast helps boost energy early in the morning and can keep people active all day long. However, many people either have some quick but unhealthy food for breakfast or skip breakfast altogether because of busy schedule. To address this issue, Fruity Oat Pancake is created to help people prepare a fast, easy and healthy breakfast. Made of 100% healthy and natural ingredients, these pancakes are good breakfast choices for people who are too busy to pay attention to maintaining a healthy diet. Fruity Oat Pancake has high potential to go commercial in the market via social media platform and iHerbs. Priced at RM15.20 per box, which contains 10 pieces of pancakes with a total weight of 700g, it is a healthy lifestyle choice anybody can afford.

Keywords: Oats, pancakes, breakfast, healthy diet

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### Problem statement:

Preparing healthy breakfast could be challenging and time consuming for busy life individuals

### Objective:

To offer nutritious and delicious pancake fast

### Our specialty:

Minimal time and effort to prep

Nutritious and support healthy diet

Affordable price

### Commercialization:

Via online business platforms, social media and at physical stores

## Compartment paper bag

Paper shopping bags, brown paper bags, grocery bags, paper bags and other lightweight work bags all have one layer of paper. Its construction and design vary. A unique feature that sets us apart from other small-scale competitors is that we offer customization and promotional options for our ideas. Paper bags are widely used for different purposes by people across the globe. For the food industry paper bags are preferred over plastic bags as they are less harmful to health and more environmentally friendly. However, the problem with most food paper bags is they are not water resistant, which causes the paper bags to leak when exposed to liquid or oil. Another problem with food paper bags is that they are designed to only carry food but not to dispose of garbage after eating. Besides, lack of proper handles also makes it difficult to carry food paper bags around. Compartment Paper Bag is created to solve all the above mentioned problems. Having two separate compartments inside the bag, one can be used for ready-to-eat food and the other can be used to temporarily hold any wastes after eating until trash cans can be found. Compartment Paper Bag is also good for take-away food combo, for example, popcorn chicken and fries. The added oil filter paper can help absorb water and oil to prevent the paper bag from leaking. This multi-purpose and water-resistant paper bag with handles is definitely the best choice for any kind of take-away food. Compartment Paper Bag will be made available on Shopee, Lazada and Instagram.

Keywords: Paper bag, take-away food, compartment bag

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**Problem statement:**  
Conventional paper bags are not water resistant and not disposal friendly

**Objective:**  
Encourage usage of our innovative paper bags

**Our specialty:**  
We add in oil filter to absorb moisture and oil from food and drinks;

Offer multiple compartments to hold waste separately

**Usefulness:**  
Useful to traders selling grab and go food items

**Commercialization:**  
Via online business platforms and social media



## 2-in-1 purse: There is beauty in simplicity

Beauty is the key for women to feel confident and be brave in facing the challenges of the world. And because of that many different kinds of makeup are created to help women remain beautiful, confident, and brave. As the number of career women increases and the pace of life quickens, many women start to feel the need of a simple, quick and convenient beauty routine. 2-in-1 purse is created to fulfill this need. Fitted with wipe make up remover, lipstick, eye-shadow and portable mirror, this specially designed purse not only can save time it can also save handbag space as the makeup products all come in small size. 2IN1 PURSE is planned to be made available online via platform such as Shopee, Lazada, Mudah.MY, and other social media at an affordable price of RM115. In addition to being affordable, time-saving, space-saving and convenient, all makeup products are made of natural ingredients so it is safe and healthy to the skin.

Keywords: Beauty, purse, makeup, multi-functional

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### Problem statement:

Limited storage capacity is a common challenge for ladies especially to carry around their cosmetic essentials

### Objective:

To facilitate proper cosmetic storage in purse

### Our specialty:

We offer multiple compartments in purse for both personal and cosmetic essentials

### Usefulness:

Space saving, organized cosmetic and easy to carry around

### Commercialization:

Both at physical store and online business platforms, as well as social media

## Magnetic scarf



Hijab, or the head scarf, is used by Muslim women to cover their hair. To secure and hold the scarf in place, pins are normally used. However, several problems are faced by hijabis with the pins. The most common complaints about using pins on hijab are scarf gets damaged by pins, scarf gets loose after a while, pins are not strong enough and get broken easily, and pins get tangled with or pulled by objects nearby, etc. By using magnets instead of pins, all these problems can be solved. Magnetic Scarf is adjustable, comfortable, user-friendly, time-saving. It also can help reduce the risk of injury. This product is an ideal choice for hijabis.

Keywords: Hijab, head scarf, magnet

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**Problem statement:**  
 Pin usage on hijab may damage the fabric in the long run; pins are also prone to missing

**Objective:**  
 To offer pin-less hijab that is easy to wear

**Novelty:**  
 No more pin related injuries when wearing hijab;

Easy to wear and it holds in place all the times!

**Usefulness:**  
 Pin-less and easy to wear hijab; even for beginners

**Commercialization:**  
 Via online business platforms and social media

## Scented paper soap

For hygiene and sanitation purpose, washing hands is necessary in our everyday routine. However, when travelling, or away from home, this simple task of washing hands might become challenging for many people. As most of the soap comes either in the form of a bar or liquid, it is not convenient to carry with us when on the move. Scented Paper Soap is a thin soap sheet which is convenient to carry around and hygienic to use as each individual sheet of soap is for one washing only. Another unique feature of this soap is that local essence, such as banana, pandan, and rose, etc. is added to create a refreshing tropical scent to the soap. Scented Paper Soap comes with a handy small pack which is light and convenient to carry, suitable for all consumers, even backpackers and hikers. Sold online with an affordable price of RM5 for 10 sheets, this product is expected to have a wide and far coverage in the market.

Keywords: Scented soap, paper soap, travelers, hygiene and sanitation

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### Objective:

To encourage hygiene (by washing hand with soap) and convenience among outdoor travelers

### Problem statement:

Carrying too many things (including cleaning essentials) during outdoor activities such as hiking may be a challenge for many

### Usefulness:

It is easy to carry and keep everywhere anywhere



### Commercialization:

Via online business platforms and social media

### Novelty:

This paper soap is made from biodegradable ingredients, thus it is safe to use and environmentally friendly



## Burgerlicious

Burger is one of the most popular food in the world. Though there are variety of burgers in the market, buns are still basically used for making most burgers. Burgerlicious is a new burger made with the combination of western and Malay elements. One of the biggest differences to set this burger apart from the rest in the market is that bun is replaced with rice of different style and flavor. The example of rice used for Burgerlicious are fried rice of different flavor and other different type of rice such as Kerabu rice, a traditional Malay herbal rice. The use of rice not only gives the burger a unique taste it also provides more nutrients as rice contains vitamin and mineral such as B1, B2, B3 and B6, while by comparison buns contains mostly empty starch. This delicious, nutritious and filling burger is planned to be sold online at a value-for-money price of RM6 – RM10.

Keywords: Burger, rice, rice burger

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### Objective:

To offer a healthy alternative to traditional burger bun (using rice) that is much tastier

### Specialty:

Comes in various rice flavors (i.e. Nasi kerabu)

Nutritious (with vitamin and mineral such as B1, B2, B3 and B6) and filling

Most importantly, it's affordable to all!



### Commercialization:

Via online business platform

## CDisk bag: Eco-friendly handbag

In recent years, there has been a trend in the fashion industry to incorporate environmental elements into fashion. Inspired by this trend, CDisk Bag is made, in a fashionable and stylish way, using recycled materials such as Jeans (fabric) and CDs. Other materials used for this bag are hot glue gun, mini mirror, zipped and rope. CDisk bag is not entirely an original idea, the main objective of this project is to help minimize the negative impact of waste on the environment and at the same time provide some opportunity to those less fortunate who would like to start their own business with minimum start-up capital. The cost of producing this bag is not high as it mainly uses recycled materials. Therefore, the price would be affordable for everyone. This product will be marketed via social media platform and sold online.

Keywords: CD, handbag, affordable, recycle, fashion

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### Problem statement:

CD's are no longer as practical as it used to be; thus it is often thrown away

### Objective:

This innovation attempts to transform old CD's into handmade and stylish handbag

### Novelty:

This product is made from mostly recyclable materials

### Usefulness:

Comes with mirror inside, and can fit hand carry essentials (i.e. smart-phone, purse & cosmetics)

### Commercialization:

Via online business platforms and social media



## Smart tech bottle: Travel-friendly water bottle attached with power-bank

Drinking water is essential to keep our body hydrated and healthy. For people who are constantly on the move, water bottle becomes a necessity to carry around. Another thing almost everybody carries around nowadays is smartphone, which can easily run out of battery when we are out and about. How do we carry these two needed items conveniently and at the same time ensure our smartphone gets recharged when electric socket is not available? Smart Tech Bottle is the answer to this question. Combining water bottle with power bank, this 2-in-1 product can be easily carried along wherever you go. Separated by water-resistant silicone rubber, the power bank can be easily removed from or attached to the bottom of the water bottle. In addition to being convenient and multi-functional, Smart Tech Bottle can also save space in our bag. Price at RM82, this product will be made available online via Instagram, Facebook, Shopee and Lazada. Smart Tech Bottle can definitely assist all consumers to experience better life, anytime and anywhere.

Keywords: Water bottle, power bank, traveler, 2-in-1

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**Problem statement:**  
Technology advancement increases our electronic devices usage; same goes with the need to charge such devices while on-the-go



### Problem statement:

Technology advancement increases our electronic devices usage; same goes with the need to charge such devices while on-the-go

### Objective:

To develop a charging device built into a water bottle

### Our specialty:

Our smart water bottle display LED indicator and maintain drink temperature

Built-in electronic mixer enable use to mix fruits or any mixture in the bottle

### Usefulness:

Ease individuals traveling long hours to charge their devices and drinking flask

### Commercialization:

Via online business platforms and social media

## Watertizer: A water bottle with hand sanitizer to stay hydrated and hygienic

Water is essential for maintaining our body system at an optimal level. Human body needs to consume water regularly to regulate body temperature, flush out waste and help brain function. On the other hand, hand sanitizer has become a daily necessity for sustaining an adequate hygiene and sanitation standard to keep disease and/or illness at bay. Watertizer is developed to help people preserve health by combining these two very important elements into one product. Made with biodegradable materials from vegetable starch, this product is chemical-free and harmless to health, different from most of the water bottles which are made of plastic in the market. Watertizer is suitable for all consumers but is even more helpful for people who are constantly on the move and those who engage in outdoor activities a lot. The starting price of Watertizer is RM20 and it will be marketed and sold through website, TV channel and social media platform.

Keywords: Water, hand sanitizer, hygiene and sanitation, hydrated, chemical-free

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### Problem statement:

Multi-functional device is always preferred as it allows convenience for all

### Objective:

To develop a dual water bottle and hand sanitizer holder

### Our specialty:

Our drinking water bottle consists dual storage for both water to drink (at the top) and gel hand sanitizer (at the bottom) compartment

### Commercialization:

Via digital business platforms and social media



Uncap top part for drinking water compartment



Uncap bottom part for gel hand sanitizer compartment

## Brassica pasta paste

Brassica pasta paste is a new innovative version of carbonara pasta paste using cauliflower as its main ingredient. Brassica is the scientific name for cauliflower. The standardized recipe includes cauliflower paste, full-cream milk, vegetable oil, salt, Italian herbs, Aromat, and garlic. Traditionally, this pasta paste is made of tomato or cheese, but for Brassica tomato and cheese is replaced by cauliflower paste to give paste a unique and distinct taste. With a goal of contributing to the food industry by developing new and interesting flavors of food, Brassica is only the first of its kind. It is planned for the future that more new versions of pasta paste using a variety of vegetables such as broccoli, carrot, spinach, and cabbage, etc. will be introduced. The initial introductory price for Brassica is set at RM9.65. The distribution channels are both physical shops and online. Our own specialty shop, The Brassica Paste Store, is planned to be open soon.

Keywords: Pasta paste, cauliflower, carbonara, vegetables

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### Problem statement:

Eating vegetables may not be appealing to many; especially for kids whom are picky on the food

### Objective:

Encourage people to eat sufficient amount of vegetables the tastier way

### Our specialty:

Made from nutritious mix of vegetables with cauliflower as its main ingredient

Built-in electronic mixer enable use to mix fruits or any mixture in the bottle

### Usefulness:

Ready to serve paste; just add-in your favorite pasta and enjoy its goodness!

### Commercialization:

Both at physical store and online business platforms

## Veggie snack

Snacks are something many people cannot do without though it's common knowledge that many snacks sold in the market are considered as junk food as they have high content of MSG, salt, sugar, fat but very little nutritious value. To provide consumers with a healthy alternative of snack, VEGETABLE SNACK is made mainly of spinach with no preservatives. Different from most of the junk-food snacks on sale, not only is this snack natural, it also contains some nutrient for a healthy body as natural ingredients are used. Though targeting at young people, this product is a healthy choice for all snack lovers. For a start, a promotion will be initiated via social media to reach the target customers and to create awareness. Product samples will be given out to potential consumers at supermarkets to encourage purchases. Joint venture or partnership with other healthy food products is also in the marketing plan. Priced at RM9.30 per pack, Veggie Snack is a healthy snack everybody can afford.

Keywords: Healthy, snacks, spinach, preservatives-free, nutritious

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### Problem statement:

Youngsters lack vegetables in daily food intake. At the same time, they enjoy snack food

### Objective:

Encourage youngsters to consume more vegetables through our 'veggie snack'

### Our specialty:

Our snack is made from fresh spinach plus other vegetable ingredients

Ready to eat snack; suitable for those on-the-go

### Usefulness:

Our snack is healthy and suits all walks of life

### Commercialization:

Both at physical store and online business platforms

## Detox ice-stick (Malaysia ice cream)

The nutrient content of a diet is a major concern for most people as we all want to live a long and healthy life. However, fast urbanization and exposure to pollutants, heavy metals, preservatives and pesticides has taken the average toxin consumption by human being to an all-time high. It doesn't matter how careful we are we might still unknowingly take in something unhealthy or even toxic. Toxic intake which is not excreted properly can cause bloating, headaches, fatigues, and bring your energy levels down. It is very useful to many consumers to know toxins in our body can be ridded of. The human body has many natural pathways to allow detoxification through liver, sweat, urine, and faeces. Detox Ice Stick is created to detoxing which can help the vital organs cleanse themselves of toxins and enable the liver to function appropriately in excreting them. Detox Ice Stick can assist the consumers to get rid of toxins, lose weight, as well as speed up the digestion process. Imagine to enjoy the ice stick without feeling guilty about consuming too much sugars and calories for a day. Detox Ice Stick only contains a small amount of natural sugar which is fruit-based. This ice stick is perfect for those who are health-concerned and have a digestion problem. By cleansing your body of the overloaded harmful toxins, it can also help minimize signs of ageing. The price of this product is RM1.50. Detox Ice Stick will be marketed at various promotional channels such as advertising in television as well as social media like Instagram, Facebook and Twitter.

Keywords: Ice stick, detox, healthy snack

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### Problem statement:

Unhealthy lifestyle choices and environment pollutant may increase toxin level in our body, on top of unbalanced daily diet

### Objective:

Creating a detox ice cream that can be enjoyed by all

### Our specialty:

Lemon, mint leaves & fruits (i.e. strawberry, raspberry) and water

### Usefulness:

Help in weight loss while balancing Ph in our body

Boost energy level & improve digestion system

### Commercialization:

Both at physical store and online business platforms

## Hairlesscarf: Attached anti-slipped beads on your scarf



This product is inspired by many voices of the Malaysian hijabis customers who suffer from the unnecessarily increasing stress caused by the hair coming out from their hijab. However in Malaysia, there are no scarves in the market yet that are produced to block hair from getting out of the scarf. HairlessScarf is an inner scarf with anti-slip beads sewn in on the inside of the scarf to help prevent hair from getting out of hijab. It is made from high-quality cotton jersey fabric and has a strap at the back of the head which can be customized to suit each different user. This design contributes to starting a new brand of scarf which not only can help solve certain specific problem for Hijab users but also boost both the satisfaction and the confidence level of Hijab users. With an affordable price of RM20, HairlessScarf comes with various easy-to-match colors, such as black, beige, brown, dark blue and grey. Social media, such as Instagram and Facebook, will be used as the major platform for selling this product. Customers can also purchase this product through the official HairlessScarf online store website and Shopee.

Keywords: Hijab, scarf, anti-slip, beads, cotton jersey fabric

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**Problem statement:**  
Ladies with hijab will feel uncomfortable when parts of their hair are exposed unintentionally

**Objective:**  
To design an inner scarf that helps to maintain hair from being exposed

**Usefulness:**  
Easy to wear and comfortable to wear for long hours



**Specialty:**  
Both-sided layered inner scarf made from comfortable cotton jersey

Comes with a strap at the back

**Commercialization:**  
Via online business platforms and social media



## Liqpen

Liqpen is an innovative 2-in-1 product which combines pen with ink. The design of our product is standard with other pen. The ink used for Liqpen is of good quality and is waterproof. Based on the comparison testing of Liqpen with some other brands of similar product, it is found that Liqpen's ink dried on paper a few seconds faster. This can help minimize the possibility of document or paper getting smeared by slow-drying ink, which is one of the major complaints from ink pen users. The combination of pen and ink, as compared with buying them separately, is definitely convenient and can also help consumers save the troubles and the costs. In addition to all the above-mentioned advantages, Liqpen is also environmentally friendly as the material used for making this product is BPA free. This 2-in-1 pen is perfect for people of all ages and professions. Selling at RM 7.00 Liqpen will be available online at Lazada, Shopee, Amazon, as well as all physical stationary and bookstores nationwide.

Keywords: 2-in-1, pen, waterproof ink, environmentally friendly

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2 in 1



### Problem statement:

Carrying multiple stationeries are less effective and inconvenient for many

### Objective:

To develop a dual pen and correction marker

### Usefulness:

Easy to carry around

Refillable ink and correction marker

### Commercialization:

Both at physical stationary and online stores

## Smart waterproof tote bag

Having a bag to hold all the necessary things is a must for most people when out and about. However, it is not easy to find a bag which is convenient, comfortable, durable, multi-functional and waterproof. To fulfill the various needs of bag users, Smart Waterproof Totebag is created to be multi-functional with waterproof outer layer, GPS tracker, safety alarm and various compartments. Made with a waterproof outer layer, this bag can help prevent things in the bag from getting wet either by rain on a rainy day or by accident spill of drink. For those concern about their safety, the safety alarm is useful and can come very handy in the event of emergency or danger. The GPS tracker can help find the bag if the bag goes missing or gets stolen. The various compartments can help the bag user to get things organized for easy retrieval when needed. Priced at RM37, Smart Waterproof Totebag is value for money. This bag will be promoted via social media platform and sold online as well as at physical stores.

Keywords: Waterproof, GPS tracker, safety alarm, various compartments

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**TOTE BAG**  
*DeSenorita*



**Usefulness:**  
 Easy to carry  
 Activated alarm upon any snatch (or sudden) pulling movement  
 Location tracking ability  
 High water resistant

**Our specialty:**  
 Smart tote bag comes with the following features:

  
 Safety alarm

  
 GPS tracker

  
 Multiple compartments

  
 Waterproof

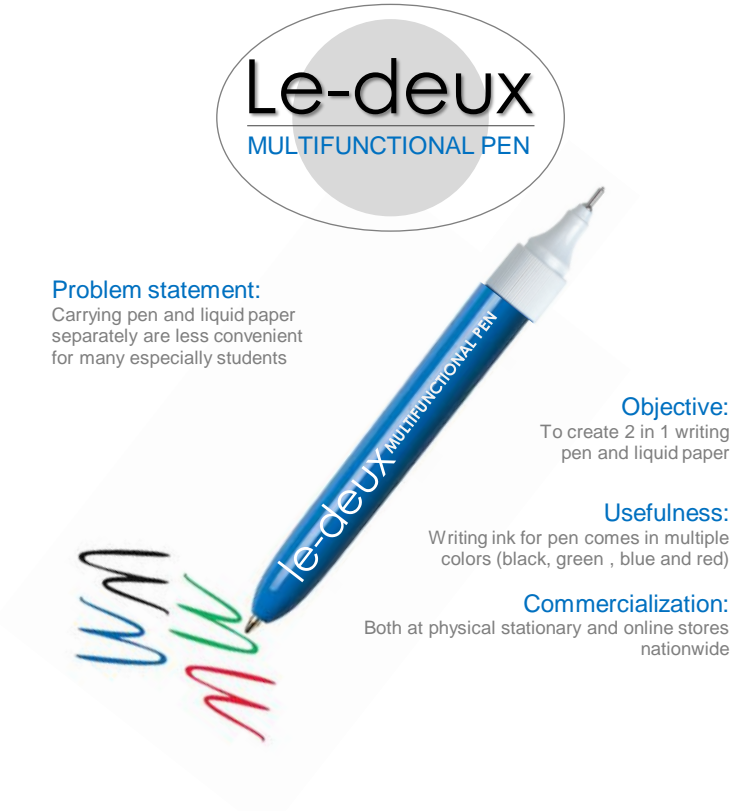
## Le-deux: Multifunctional pen for writing and correction

*Le -deux* is a French term meaning "the two". This product is a 2-in-1 pen, combining pen and liquid paper. *Le-deux* can help to reduce the cost of having to buy a pen and a liquid paper separately. It can also save people from the inconvenience of having to carry two items, a pen and a liquid paper. With both the need for writing and correcting fulfilled by one pen, consumers can easily and conveniently bring *Le-deux* with them anywhere they go, be it to school, to office, or even for travel. Not only is this pen convenient, its price is also affordable. With a price of RM12, *Le-deux* can be purchased via social media platform.

Keywords: Multifunctional, pen, liquid paper, writing, correcting, time-saving

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### Problem statement:

Carrying pen and liquid paper separately are less convenient for many especially students

### Objective:

To create 2 in 1 writing pen and liquid paper

### Usefulness:

Writing ink for pen comes in multiple colors (black, green, blue and red)

### Commercialization:

Both at physical stationary and online stores nationwide

## TraveSafety

Safety and security are two major concerns in our everyday lives and they become even more critical when we travel as most of the time we are exposed to unfamiliar environment and strangers when travelling. Theft and pick-pocket experienced during travel are common not only in Malaysia but around the world. To avoid these unfortunate events from happening, TraveSafety is created with traveler's safety and security in mind. Made with double-layered zip and smart code padlock, this safety travel backpack can help ensure the safety and security of traveler's belongings as well as important documents such as passport, identity card and credit card.

Keywords: Travel, safety and security, backpack

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Digital Code  
Padlock



### Commercialization:

Both at physical store and virtual business platforms



### Objective:

To develop a secure travel backpack by increasing safety features provided

### Our specialty:

Made with double-layered zip and digital code padlock

### Usefulness:

Help in weight loss while balancing Ph in our body

## Travel blanket

Travelling is an activity that most people enjoy doing when they can afford the money and time. Travel is fun but packing and try to fit all necessary things into luggage is not so fun for many people. Travel light and simple is what travelers in general wish to do, this is particularly important for backpackers. To help travelers travel with comfort, convenience and with minimal luggage to carry, Travel Blanket is created with multiple functions to fulfill many essential travelling needs. Comes with built-in sleep eye mask, inflatable neck pillow, and multiple utility pockets, this product aims to help travelers enjoy their vacation to the fullest with minimal fuss about the luggage or the things to bring along.

Keywords: Water, hand sanitizer, hygiene and sanitation, hydrated, chemical-free

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### Specialty:

Our travel blanket comes with detachable sleeping eye mask and inflatable neck pillow

This blanket can be turned into a tote bag with multiple compartments

It is easy to fold, store and carry around in



Detachable sleeping eye mask and inflatable neck pillow



## Little pleasure kit: A spa kit

In recent years, spa has become one of the must-try experiences for many tourists. Not only is it available at many stand-alone spa centers, spa service is also one of the most popular services provided at resorts and hotels. Little Pleasure Kit is created with the purpose of improving spa service and enhancing its attractiveness to give tourists a better spa experience. Building from the existing spa kit, the novelty of Little Pleasure Kit is that the Malaysian elements are added and highlighted. By using local ingredients for all the spa products combined with authentic Malay spa setting, tourists are expected to have a memorable true Malaysian spa experience, so good that not only will they come back for more but also recommend it to others. The benefits this product hopes to bring is not just to generate income for the spa operators but also to help strengthen Malaysia's image as a tourism destination.

Keywords: Spa, spa kit, local ingredients, Malaysia

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**Specialty:**  
 Our spa kit includes:  
 Homemade scented bath  
 essentials  
 Homemade scented candles  
 Facial mask  
 Dark cacao



## Conclusion

In conclusion, HTIICC showcased the remarkable potential of young minds. The ideas and projects presented not only highlighted their ingenuity and problem-solving skills but also underscored the importance of nurturing creativity in education. This competition has proven that with the right encouragement and resources, students can be powerful drivers of change and innovation, shaping a better future for all. As we celebrate their achievements, let us continue to support and inspire the next generation of thinkers and creators.

**THE END**

