

**ENT600**

**TECHNOLOGY BLUEPRINT**



**TECHNOLOGY BLUEPRINT TITLE (GLASSCOLE CAJA)**

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**Faculty** : FACULTY OF HEALTH SCIENCES  
**Program Code** : HS246  
**Group** : 7A  
**Course** : BACHELOR OF OPTOMETRY (HONS.)  
**Semester** : 7  
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**Submission Date**

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## 1.0 EXECUTIVE SUMMARY

*Glascole Caja* is one-off handy tool for both CL and spectacles to overcome inconvenience of bringing contact lens and spectacle on the same time. The target of this prototype is to ease consumer to store, bring and change from contact lens wear to spectacle or vice versa when needed. Advantages of this prototype user-friendly tool set which accommodate for both CL and spectacles. Other than that, this prototype also can act as time-effective device as it can reduce the time taken for changing CL to spectacle or spectacle to CL if necessary. Thus, it will enhance the education on contact lens care not only to the CL wearers but also spectacle wearers.

First, our target market will be based on Puncak Alam. Puncak Alam residents is pack of students and office workers that used to wear both contact lens and spectacle. There also many branch of optical shop located in Bandar Puncak Alam. Thus, this product can be supplied to them as one of the optical product.

For initial intensive selling effort, our team has set the target customers in other words, types of customer groups that would buy our product. Our target customer is for both contact lens wearers that also used to wear spectacle when the time limit for contact lens have finish. As we know, contact lens only can be wear for 8 hours of maximum time for a day. Overused of contact lens will lead to many eyes problem such as dry eyes, corneal ulcer and infections. This may be among students, office worker or others professionalism workers that used to wear contact lens to enhance their appearance.

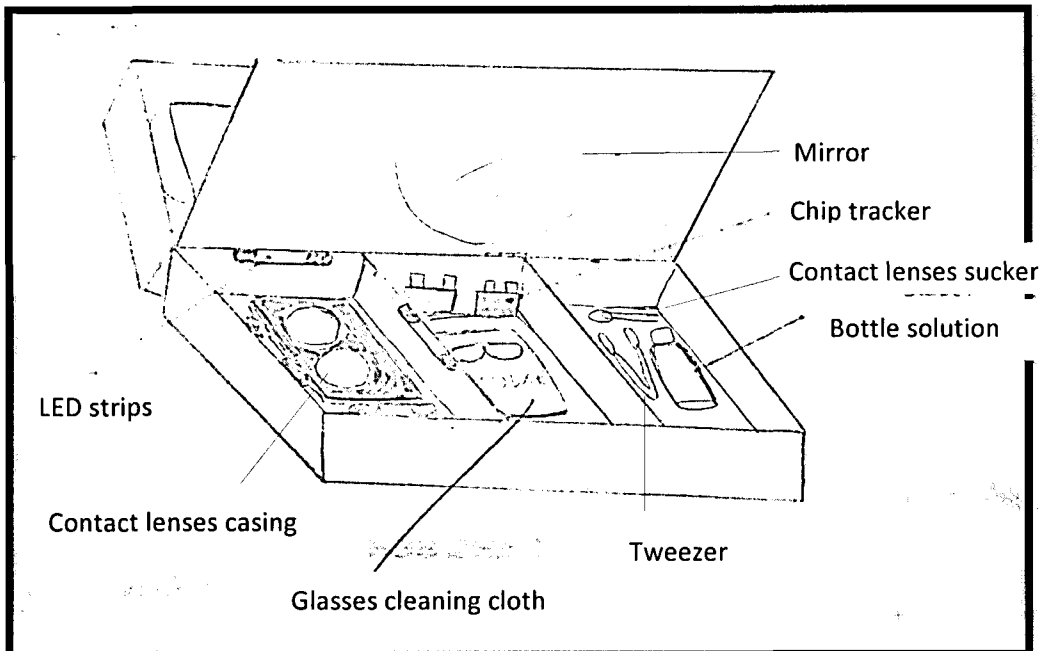
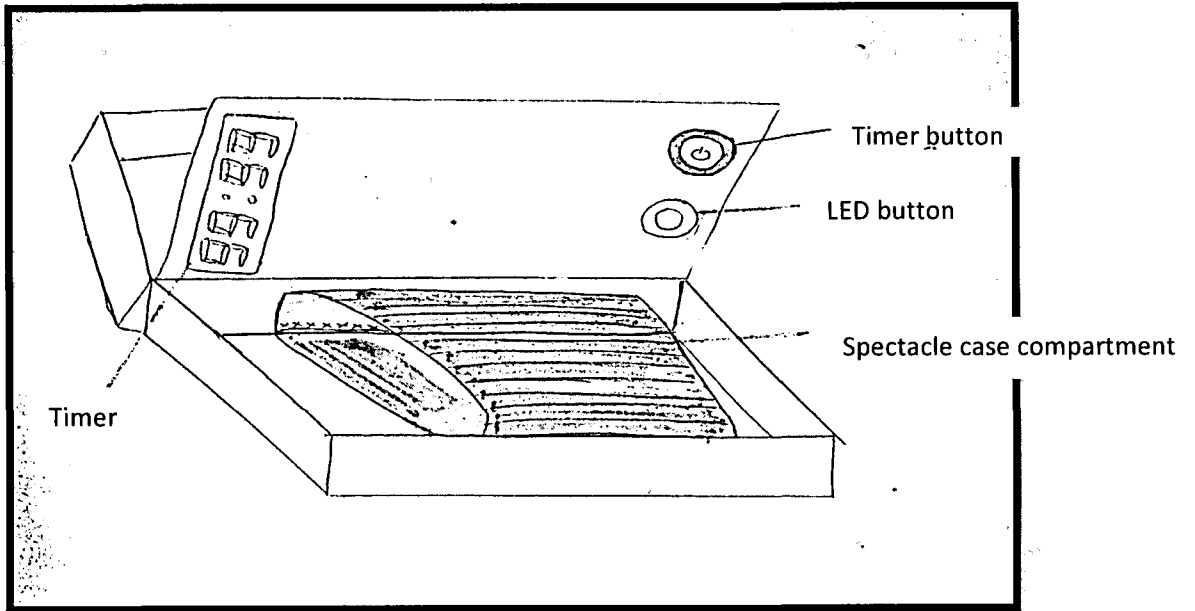
The product is designed to save time and ease consumers from extend the wearing hours of wearing CL. It will also ease and minimize the time for people that are always busy and always forgot to bring contact lens case or spectacle case as this product is 2 in 1 product that combine both elements with two extra compartment for spectacle cleaning and contact lens solution.

## **2.0 PRODUCT OR SERVICE DESCRIPTION**

*Glascole Caja* is one-off handy tool for both CL and spectacles to overcome inconvenience of bringing contact lens and spectacle on the same time. The target of this prototype is to ease consumer to store, bring and change from contact lens wear to spectacle or vice versa when needed. Advantages of this prototype user-friendly tool set which accommodate for both CL and spectacles. Other than that, this prototype also can act as time-effective device as it can reduce the time taken for changing CL to spectacle or spectacle to CL if necessary. Thus, it will enhance the education on contact lens care not only to the CL wearers but also spectacle wearers. The product is designed to save time and ease consumers from extend the wearing hours of wearing CL. It will also ease and minimize the time for people that are always busy and always forgot to bring contact lens case or spectacle case as this product is 2 in 1 product that combine both elements with two extra compartment for spectacle cleaning and contact lens solution.

### 3.0 TECHNOLOGY DESCRIPTION

#### 3.1 Overview of Product Prototype



<b>A.</b>	<b>Spectacle and Contact Lens Compartment</b>
<b>B.</b>	<b>Timer</b>
<b>C.</b>	<b>LED Strips</b>
<b>D.</b>	<b>Glasses Cleaning Cloth</b>
<b>E.</b>	<b>Tweezer</b>
<b>F.</b>	<b>Mirror</b>
<b>G.</b>	<b>Bottle Solution</b>
<b>H.</b>	<b>Chip Tracker</b>
<b>I.</b>	<b>Timer button</b>
<b>J.</b>	<b>LED button</b>

### **A. Spectacle and Contact Lens Casing**

#### **Description**

Glass Cole Caja (GCC) is a smart 2-in1 spectacle and contact lens case. It is one convenient, compact holder for those who wear both spectacle and contact lenses where they are no longer have to go around carrying two separate cases for these items. So with GCC, they only need one case. The dual purpose case is designed to hold a pair of glasses in one compartment and a pair of contacts in the other, which also holds lens solution bottles, tweezers and a built-in mirror. Whether on vacation or business trip, the GCC makes a perfect travel accessory. The spectacle compartment can accommodate medium to large frames. It's a convenient way to keep a pair of sunglasses or reading glasses alongside your contacts for quick access.

#### **Specification**

Material : Acrylic  
 Thickness : 3 millimetres  
 Dimension : (l/w/h) 17.6cm x 7.6cm x 5.2cm

#### **Target Supplier**

<https://www.aliexpress.com/w/wholesale-spectacles-case.html>