

TECHNOLOGY BLUEPRINT (SMART TORCH LIGHT)

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Group Name : STL

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1.0 EXECUTIVE SUMMARY

The Smart Torch Light is a torch light that can assess blood pressure, heart rate, oxygen level in blood and heart rhythm. The target market would be nurses that working in hospital and clinic at Selangor. We will start to promote our product at Hospital Sungai Buloh with attractive goodies for the first 100 customers. We may have various competitive company that produce a product with a function that almost the same like Smart Torch Light. But, our product have the advantages and I believe that customer will like to test and buy our product as soon as it open to sale. For starter we will collect 50% profit from the price of the product. The price and profit will be revise from time to time depends on customers feedback.

Management Team :

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2.0 PRODUCT OR SERVICE DESCRIPTION

2.1 Introduction

After several years working in the hospital we noticed that during patient assessment we need a lot of separate equipment to assess patient. For example sphygmomanometer to check blood pressure, pulse oximeter for SPO², ECG machine for heart rhythm and torchlight for GCS assessment. We try to combine all the equipments into one simple equipment. Hence, we innovate a Smart Torch Light.

2.2 Purpose of development

The purpose of the product development are:

- Fasten nurses action during emergency situation.
- To reduce workload of the nurses.

2.3 Product Concept

- For nurses to put it inside pocket during working period and use it as needed.

2.4 Application

The smart torch light is easy to use. Click the on/off button for the white light to appear. Then put it top of the clean skin(Ex:finger). It will automatically detect the person blood pressure,heart rate,oxygen level and ECG within 3 seconds. Abnormal reading will cause the smart torch light to make a noise and vibrate. It also can be use for GCS assessment with the Eco-friendly white light.

2.4.1 Functions

- On/Off - To on/off the tool.
- Hook - To hang the tool at the pocket.
- Micro USB slot - Act as a charger port/transfer data.
- New technology White light - Sensor for blood pressure, heart rate, SPO² and heart ryhtm.

2.5.1 Picture description

