



اَوْنِيُوْرَسِيْتِيْ بَاتِيْكُوْلُوْ كِيْ مَارَا
UNIVERSITI
TEKNOLOGI
MARA

UNIVERSITI TEKNOLOGI MARA

TECHNOLOGY ENTREPRENEURSHIP *t*
(ENT600)

BLUEPRINT

“MEDCOMP – HEALTH CARE DEVICE”

PREPARED BY:

NAME	ID NUMBER
AHMAD SHAFIEE BIN HARFIN	2015655884
MUHAMMAD ANUAR BIN ZAINAL ABIDIN	2015831794
RAJA MOHAMAD SYAHMIR BIN RAJA MOHSIN	2015836552
WAN AHMAD FIRDAUS BIN WAN AZHAR	2015834568
KHUZAIFI AKILI BIN DARAMI	2015673642

LECTURER'S NAME: HAJAH ZANARIAH ZAINAL ABIDIN

SUBMITTED: 21TH JUNE 2017

Table of Contents

CHAPTER 1	1
1.0 PRODUCT DESCRIPTION	1
1.1 Introduction	1
1.2 Purpose of development	1
1.3 Product Concept	1
1.4 Application	2
1.4.1 Functions	2
1.5 Unique feature	2
CHAPTER 2	3
2.0 TECHNOLOGY DESCRIPTION.....	3
2.1 Overview of product prototype	3
2.2 Food scanner (a).....	4
2.3 Liquid crystal display (LCD) (b).....	5
2.4 Switch (c)	6
2.5 Temperature sensor LM35 (d).....	7
2.6 Medical box (e)	8
2.7 Pulse rate and glucose sensor (f)	9
2.8 Blood pressure (g)	12
2.9 Buzzer (h).....	13
CHAPTER 3	Error! Bookmark not defined.
3.0 MARKET RESEARCH AND ANALYSIS.....	14
3.1 Customer	14
3.2 Market Size and Market Share	14
3.3 Competition and Competitive Edges.....	15
3.4 Estimated cost per Unit	15

3.5 Selling Pricing.....	16
3.6 Marketing strategies	16
3.6.1 Product	16
3.6.2 Price.....	16
3.6.3 Place/Distribution.....	16
3.6.4 Warranty.....	16
3.6.5 Promotion.....	17
CHAPTER 4	18
4.0 FINANCIAL PLAN.....	18
4.1 Start-up Cost.....	18
4.2 Working Capital	19
4.3 Cost of component per prototype	20
4.4 Total start up cost	20
CHAPTER 5	21
5.0 MANAGEMENT TEAM.....	21
5.1 Organization	21
5.2 Key management personal	22
5.3 Other required expertise	24
CHAPTER 6	25
6.0 PROJECT MILESTONE	25
6.1 Flow chart Project Design Planning.....	25
6.2 Project schedule.....	27
CHAPTER 7	28
7.0 CONCLUSION	28

COMPANY'S LOGO



CHAPTER 1

1.0 PRODUCT DESCRIPTION

1.1 Introduction

The team is developing a MedComp, known as a simple medical kit to check the vital signs, blood pressure, body temperature, food calories and to remind patient to consume medicine. It consists of checking the vital signs, blood pressure, blood glucose, body temperature, food calories and to remind patients to consume medicine. Some of the elders are having trouble to take the medication regularly or on time. This product is suitable for all generation who are concern about their own health. As the number of diabetes, hypertension and fever patients increase for each year. Thus, the team decided to help the society especially the elders by invent a user friendly medical box.

1.2 Purpose of Development

Patients and consumers can use this MedComp device to better manage and track their health and wellness related activities. This also help spread the awareness about the importance of taking good care of their own health.

The objective of this project is to provide a multipurpose 6-in-1 device that is user friendly. The simple medical kit enables users to keep track of their vital readings or measurements at anytime and anywhere since the product is portable.

1.3 Product Concept

- Patient or a family members can monitor the vital signs.
- Show physical body temperature by using MedComp device.
- Alert the patient to take the medicines on time.
- Consumer can check their food calories.