



اَوْبُوْرَ مَرْيُوْتِي تِيْكُوْ لُوْجِيْن مَارَا
UNIVERSITI
TEKNOLOGI
MARA

TECHNOLOGY ENTREPRENUERSHIP (ENT600)

EE2428E

NEW PRODUCT DEVELOPMENT REPORT

(SMART BILLING MANAGEMENT)

Smart Billing MANAGEMENT

NAME	ROLE	ID NUMBER	PHONE NUMBER
AHMAD ANSARULLAH BIN ZULKIFLI	GROUP LEADER	2016329165	0105285064
AHMAD FARIS FIRDAUS BIN MOHD SAPAWI	LEADER CASE STUDY	2016309789	0122538250
MUHAMAD AZIZI BIN CHE RASHID	LEADER NEW PRODUCT DEVELOPMENT	2016538087	0179073626
MUHAMMAD SUHAIRI BIN SUAIMI	LEADER BLUE PRINT	2016727987	0146265445
MUHAMMAD RIDZUAN BIN ZAKRI	LEADER QUALITY	2016329129	0139087098

Lecturer's Name: MADAM HAJJAH ZANARIAH BINTI ZAINAL ABIDIN

78

TABLE CONTENT

1.0 EXECUTIVE SUMMARY.....	1
2.0 INTRODUCTION.....	-
2.1 Problem Statement.....	2
2.2 Methodology.....	3
2.3 Limitation.....	3
3.0 NEW PRODUCT DEVELOPMENT.....	-
3.1 Definition.....	4
3.2 Classification of NPD.....	4
3.3 New Product Development Process.....	4 – 9
4.0 CONCLUSION.....	9

1.0 EXECUTIVE SUMMARY

If you understand how electricity bills are calculated, it does not matter what kind of electrical appliances, just need to practice the same concept to reduce and save on electricity usage. Just choose energy-efficient appliances, properly use electrical appliances and limit the time of use to avoid wasting electricity. So, Smart Billing Management had been created to adapt from that situation with a vision to help the users to remind the limitation of electricity bill and our product will be linked to the electric meter to detect the usage of that month by monitored by apps.

Our target market is to propose our product to any industry because the amount of electricity was used in that sector among the highest. So, with Smart Billing Management product, that sector while knowing the price when it converted to Ringgit Malaysia (RM) and the electricity will be saved and also reduces their expenses.

Our sales forecasting projections will be implemented after 1 year by calculating all of our progress from designing until the sale product. We are sure that our product will turn a profit after 3 years in the market. So, to make our innovation became a reality we try to apply a certain amount of grant from MASMED.

2.0 INTRODUCTION

Due to over electricity bill charge every month, control the usage of electricity be the main target to cut the cost. The meter reading that was already located in the building just give the value of usage. The consumer saw the meter reading but not get any useful information. Consumer faced problem to estimate the bill charge at the moment.

Thus, the team design a smart bill management application to help consumers noticed about their electricity bill.

2.1 PROBLEM STATEMENT

Electricity bill would be increase without realizing it. Consumer suffer from high cost bill per month and effect their financial management.

The current meter electric that was install did not give any useful information to consumer. The consumers only know the electricity bill after a month of usage. This problem can be minimized with a new creation of bill management apps.

Problems faced by consumer before install this apps:

- Did not know the electricity usage at the moment.
- Cannot expect the electricity bill on that month.
- Fail to manage their financial to cut cost of life.

2.2 METHODOLOGY

There are two methods while collecting data for the new product development. The methods are:

a) Interview the public

Almost all the consumer said that they suffer to pay electricity bill every month. They did not notice that the electricity usage reaches the high limit.

b) Media social through the comment in Facebook

Netizen express their felling every time to pay electricity bill in comment space.

2.3 LIMITATION

The project had some limitation that should be noted. The limitations are:

- The rich consumer does not feel that the electricity bill over the limit as a burden to them.
- Not enough interviewers could share their problem of over limit of electricity.
- Difficult to make appointment with the client for us to collect data.