



UNIVERSITI TEKNOLOGI MARA

FAKULTI SAINS KESIHATAN

ISLEEP MAGIC PILLOW SDN BHD

STUDENTS' NAME & ID:

ANTONIA JOSEPH (2015208788)

BIBI NUR FAIRUZ BINTI MOHAMED HANAFEE (2015470306)

NURSYAZWANI AFIRA BINTI ARIS (2015664352)

**NURUL INARAH HIDAYATI BINTI MOHAMAD ZAMRI
(2015663706)**

SITI FAIRUZ HANANI BINTI ABU BAKAR (2015666636)

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GROUP: HS246

**LECTURER: MADAM HAJAH ZANARIAH ZAINAL
ABIDIN**

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COMPANY'S LOGO



MAGIC PILLOW



CHAPTER 1

1.0 PRODUCT DESCRIPTION

1.1 Introduction

The team is introducing iSleep magic pillow that functions to prevent oversleeping. In fact, 31% give an excuse of oversleeping after traffic jammed. Nowadays, workers arrived late at home due to traffic and students need to finish their assignment. This will drag their sleeping time and lead to sleep late at night. Not enough sleep will affect them to be oversleeping and wake up late in the morning. With this magic pillow, it helps people to wake up early and get efficient sleeping time. This Magic Pillow also can help someone that having difficulty to sleep.

1.2 Purpose of development

The purpose of the product development are:

- avoid oversleeping
- make sure users get efficient sleeping time
- help for those having difficulty to sleep

1.3 Product Concept

- For workers and students to wake up on time in the morning
- For people that having difficulty to sleep

1.4 Application

With the vibration pad inserted into the magic pillow, it will produce shaking sensation when the alarm time comes. Massage system that provided will improve blood circulation as well as relaxation. With internal electronic motors and gears designed can massage person when sleeping. With instrumental music option, user can choose their favour music with suitable volume. Come with rechargeable system, user can use it for a long time without any problem. User just need to set the alarm time and music they prefer. They can manually adjust the volume, but with sensor system provided, the volume and vibration will become louder and stronger if user still not awake.



1.4.1 Functions

- Vibration system- increasing vibration is used to give movement so that users can feel the shake which helps to awake, other than sounds. The shake firstly soft then becoming strong until user wake up.
- Massage System- used to give sense of relaxation around the head so that users can feel relaxed after full day no rest, which helps them to sleep.
- Alarm time – users can set the alarm according to their time chosen.
- Sensor system- used to detect whether user had wake up or not. It will stop vibrate when user's head not touch the pillow.

1.5 Unique features

The uniqueness of the product for availability in Malaysia market consists of:

- Three types of vibrating system, strong, medium and soft with adjustable button, that provide shaking when the time is right.
- Variety music that can be set as alarm with adjustable button to be set as loud, medium and slow.
- Auto massage, has button start and automatically off after 30 minutes.