



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

SCHOOL OF COMPUTING
Faculty of Engineering

Product Brochure

UHMT1012

Graduate Success Attributes

Semester 1, Session 2020/2021

Lecturer: Dr. Mohamad Razib bin Othman

Section:42

Group 4:

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OBJECTIVES

To detect emergency situation and quickly notify the guardians to help patients and elderly get first aid immediately.

MAIN FEATURES

The product is a set consisting of separate sensors which are pressure, sound and light that sends the signal to the receiver.



CONTACT US

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🏠 [https://medic-care-
enterprize.webnode.com](https://medic-care-enterprize.webnode.com)



De Cama Detector

Always making you feel safe
when lying on your bed.



LIST OF SENSORS



LASER

Detects when someone is falling by cutting the laser and sends the signal to the receiver.



PRESSURE PLATE

Detects the pressure when someone falls from the bed. The extreme difference in pressure will send signals to the receiver.



MICROPHONE

A microphone sensor will detect the sound intensity surrounding the bed and will light up an LED if the sound intensity is above a certain threshold.



RECEIVER

Receive and analyze the signals from every sensor. Once the signal is valid, it will be sent to the staff's smartphone who is in charge of the patients to look after immediately.



ADVANTAGES

- Get to inform the guardians when patients or elderly fall from bed to get the first aid immediately.
- Provide a safe environment to patients and elderly.
- Saving precious time and energy for guarding.
- Lighten up the guardians' burden.



HOW WE WORK

Our company provide a bundle of state-of-the-art detectors to set up on a bed. We make collaborations with government hospitals and public clinics to help them making sure their patient is safe

