

## **Product Brochure**

## UHMT1012

### **Graduate Success Attributes**

Semester 1, Session 2020/2021

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Section:42

#### Group 4:

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## **OBJECTIVES**

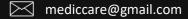
To detect emergency situation and quickly notify the guardians to help patients and elderly get first aid immediately.

## MAIN FEATURES

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







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## De Cama Detector

Always making you feel safe when lying on your bed.





#### LIST OF SENSORS



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.



# HOW WE WORK

**ADVANTAGES** Get to inform the

guardians when

elderly fall from

bed to get the

immediately.

Lighten up the

guardians'

burden.

patients or

first aid

Our company provide a bundle of state-ofthe-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

- Provide a safe environment to patients and elderly.
- Saving precious time and energy for guarding.



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.



