

Amrita Vishwa Vidyapeetham,  
Amrita School of Engineering  
Computational Engineering and Networking  
**18CN623: Embedded Computing for Data Science**  
Mini Project

Group Number:1

Group Members :

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## **Theft Detection using Motion Sensor**

### *ABSTRACT:*

In the present era of data insecurity, this project helps in securing our personal space, home, office etc. This system basically sends a notification to users mobile device when any motion detected in the space where sensor is fixed. This can be activated or deactivated from the mobile device as per need.

### *Hard ware Components and Soft Ware Platform Required:*

#### Hardware:

- Arduino Board (UNO)
- PIR Sensor
- Bluetooth Module
- Resistors(220ohms, 10K ohms )
- Buzzer/Siren
- Breadboard
- Battery (12V)

#### Software:

- Arduino IDE
- Android studio
- Fritzing
- Cool term