



**UTM**  
UNIVERSITI TEKNOLOGI MALAYSIA

# AWAM

**AUTOMATIC WIRELESS  
ACCELEROMETER  
MONITORING SYSTEM**

(IP/PT/2018/0252)

## NEEDS

- Disasters resulting from slope failure may involve loss of lives and property if it is left unchecked.
- A constant monitoring system are a necessity for a tranquil piece of mind.

## APPROACH

- By simply combining multiple sensors, self-sustaining power and wireless data transfer, the system enables the public to access risks of slope failure on prearranged areas of interest.

## BENEFITS PER COST

- Warning system are expected to be faster than conventional methods of warning.
- Relatively large area of risk assessment.

## COMPETITORS

Conventional methods of warning include :

- Television or radio transmitted device.
- Social media.



## PRODUCT FEATURES

- Early warning slope failure detection system informing subscribed uses within 60 seconds.
- Solar powered system runs constantly providing constant protection.
- Range of protection traverse unfavorable conditions.
- Easy installation on intended area of monitoring.

## NOVELTY

- Concept of combining several fields including slope monitoring, alarm system, wireless data transfer, self-sustaining power and public relation apparatus are relatively new.

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