Helmet Unit

FSR: Detect rider's presence 🡪 ignition switch off

Alcohol sensor: Detect alcohol presence through breath 🡪 ignition switch and notify family members through

Accelerometer: Detect tilting of helmet to determine potential accident

GPS: Provides location for the accident and the helmet

GSM: Send SMS notification regarding the potential accident and potential robbery of helmet

Reset button: Loops again in detecting rider's presence

Motorcycle Unit

GPS: Provides location for the accident and the helmet

GSM: Send SMS notification regarding the accident and potential robbery of motorcycle

Accelerometer: Detect accident through tilting of motor/ abrupt change of motion of the motorcycle

Buzzer: Used for notifying if accident happened

Mobile application

Anti - Theft security: Provides location for the helmet and motorcycle. Can turn on or off the anti theft security for the rider to have option if he wanted to take the helmet with himself or not.

Additional feature if possible, if not disregard hehe: The recipients of SMS that can be sent if accident happened can be interchangeable.

Note: If robbery of helmet or motorcycle happened, SMS’ are sent to the rider.

If accident happened, SMS’ and location are sent to both rescuers or family members.

Sa accelerometer naman sa helmet unit, SMS’ not with location (since it only notify them for potential accident) are only sent to family members.