PROBLEM CASES

**Problem:** Can fall on ground while walking, running or playing.

**Sensing:** High change in movement

**Detection:** High reading on accelerometer and gyro more than threshold

**Problem:** Fall into water.

**Sensing:** Change in pressure, Total failure of machine

**Detection:** Drastic change over normal limit or multiple sensor fails together.

**Problem:** Fire in room

**Sensing:** High change in temperature

**Detection:** Temperature reading > 50

**Problem:** Can get into very smoggy of full of gas environment

**Sensing:** High change in gas sensor

**Detection:** Dangerous gas reading around or more than 700 parts per million.