EXPERIMENT 3  
Meet Kansara  
Reg. no.: 220929270  
Roll no.: 54  
**Exercise Question 1:** Simulate a burglar alarm system in CPT. The system should consist of an LED and a streetlamp switching ON when any motion is detected on a Trip sensor.

A diagram of a light source

Description automatically generated

A diagram of a network

Description automatically generated

A diagram of a lamp

Description automatically generated

**Exercise Question 2:** Simulate a building automation system wherein, if the temperature outside is 20 deg. C, the window is opened. When the temperature rises more than 25 deg. C, and high winds are prevalent, the window gets closed and the AC is switched on.

A diagram of a network

Description automatically generated

